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November 7, 1944

Trade-Marks	148	No. 410,027 to No. 410,174, inclusive.
T. M. Renewals	51	
Patents	534	No. 2,361,906 to No. 2,362,439, inclusive.
Designs	68	No. 139,334 to No. 139,401, inclusive.
Total	801	

Adjudicated Patents

(C. C. A. N. Y.) Engler patent, No. 1,492,972, for dynamo electric machinery, claims 1 to 8, inclusive, *Held* not infringed. *Engler* v. *General Electric Co.*, 144 F.(2d) 191; 62 U. S. P. Q. 259.

(D. C. Mass.) Paterno patent, No. 2,237,630, for protecting and sealing device for battery terminals, *Held* invalid. *Paterno* v. *Surrette Storage Battery Co.*, 56 F. Supp. 329; 61 U. S. P. Q. 401.

Interference Notice

U. S. Patent Office, *Richmond, Va., Oct. 13, 1944.*

Rossman Brothers & Messner, Inc., its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Everfast Fabrics, Inc., 40 Worth St., New York, N. Y., for registration of a trade-mark and trade-mark registered April 26, 1932, No. 293,499, to Rossman Brothers & Messner, Inc., 271 Church Street, New York, N. Y., and the notice of such proceeding sent by registered mail to said Rossman Brothers & Messner, Inc., at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Rossman Brothers & Messner, Inc., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in the case of default. This notice will be published in the Official Gazette for three consecutive weeks.

HENRY VAN ARSDALE,
Assistant Commissioner.

Notices of Cancellation

U. S. Patent Office, *Richmond, Va., Oct. 17, 1944.*

Bartlay Shirt Co. Inc., its assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Cluett, Peabody & Co., Inc., Troy, N. Y., to effect the cancellation of trade-mark registration of Bartlay Shirt Co. Inc., 30–34 West 26th St., New York, N. Y., No. 292,660, dated March 22, 1932, and the notice of such proceeding sent by registered mail to the said Bartlay Shirt Co. Inc., at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Bartlay Shirt Co. Inc., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the Official Gazette for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

U. S. Patent Office, *Richmond, Va., Oct. 19, 1944.*

Oriental Silk Printing Company, its assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Wembley Inc., 910 Poeyfarre St., New Orleans, La., to effect the cancellation of trade-mark registration of Oriental Silk Printing Company, Belmont Ave., Haledon, N. J., No. 194,258, dated January 20, 1925, and the notice of such proceeding sent by registered mail to the said Oriental Silk Printing Company at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Oriental Silk Printing Company, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the Official Gazette for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective parties were not the first inventors with respect to the claims listed:

Pat. 2,319,634, D. E. Sauser, Softener for synthetic rubber, decided October 10, 1944, claim 5.

Re. 21,306, E. B. Wilford, Aircraft, decided October 7, 1944, claims 12, 13, and 14.

Condition of Applications Under Examination at Close of Business October 21, 1944

(Total number of applications awaiting action, excluding Trade-Mark Division, 51,560; Trade-Mark Division, 1,770. Oldest new case, Nov. 25, 1943; oldest amended, Nov. 25, 1943.)
(The dates given are 1944 except where † indicates 1943)

Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action		No. of applications awaiting action
	New	Amended	
1. TUCKER, M. W., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	Apr. 25	June 7	555
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	Feb. 15	Mar. 13	609
3. WOLFFE, S., Metal Founding; Metallurgy; Metal Treatment; Compositions (part)	Mar. 4	Mar. 10	1,125
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Pneumatic Dispatch; Store Service; Mining, Quarrying and Ice Harvesting.	May 1	May 1	531
5. ROBINSON, C. W., Glass; Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps	†Dec. 31	†Dec. 30	1,383
6. GENIESSE, E. W., Carbon Chemistry (part)	Mar. 20	Apr. 14	1,151
7. JARBOE, C. G., Optics, Photography	June 7	June 6	725
8. IMUS, A. E., Furniture; Kitchen and Table Articles; Locks and Cabinets	May 13	May 12	670
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	Apr. 21	Apr. 4	847
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	May 18	June 10	337
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Clutches and Power Stop Control	Jan. 3	Jan. 3	1,185
13. BEALL, T. E., Gear Cutting, Milling, Planing; Metal Working (part); Needle and Pin Making; Turning.	May 13	May 25	552
14. HANLIN, GEORGE, Metal Working (part); Farriery; Wire Fabrics	Apr. 29	May 3	741
15. HENKIN, BENJ., Natural Resins, Rubber (part); Proteins, Carbohydrates and Derivatives; Plastics	May 4	May 2	717
16. SPENCER, C. J., Telegraphy; Telephony	Apr. 27	May 1	563
17. HABECKER, LEON B., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Jan. 12	Jan. 5	548
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	†Nov. 25	†Nov. 25	924
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	Mar. 24	Mar. 16	643
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part); Bank Protection; Safes.	May 6	June 12	527
21. THOMPSON, T. J., Textiles	Apr. 13	Apr. 8	474
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance	Feb. 24	Feb. 24	1,244
23. BARROWS, B., Cash Registers; Calculators (part)	Jan. 22	Jan. 18	153
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines	July 8	July 1	450
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	Mar. 27	Mar. 31	774
26. YOUNG, R. R., Electricity—Generation and Motive Power	Jan. 11	Jan. 11	884
27. CLARK, W. N., Brush, Broom, and Mop Making; Brushing, Scrubbing and General Cleaning; Cleaning and Liquid Contact with Solids; Textiles, Fluid Treating Apparatus; Ironing; Washing Apparatus.	Mar. 20	Feb. 2	585
28. SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders, Pistons.	Feb. 18	Jan. 22	807
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Package and Article Carriers; Woodworking; Tools; Metal Working, Assembling.	Apr. 12	Apr. 4	891
30. McCANN, LEO P., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	Jan. 28	Feb. 4	1,069
31. DUNCOMBE, C. S., Hydrocarbons; Mineral Oils	May 22	May 16	1,021
32. LESH, K., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	May 25	May 17	756
33. HULL, J. S., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements; Plastic Block and Earthenware Apparatus.	June 24	June 14	707
34. SAPERSTEIN, S., Electricity—Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators.	Apr. 18	Apr. 11	476
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	Apr. 21	Apr. 21	683
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	Feb. 28	Apr. 4	563
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	†Dec. 24	†Dec. 16	817
38. KRAFFT, O. F., Coating Processes; Coating or Plastic Compositions (part); Rubber (part)	Mar. 4	Mar. 8	666
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	Apr. 12	Apr. 13	772
40. DRUMMOND, E. J., Receptacles (part); Packages	May 16	May 20	749
41. HERTZ, M., Coin Handling; Recorders; Deposit Receptacles; Counters and Calculators (part); Typewriting Machines; Check-Controlled Apparatus.	Jan. 21	Feb. 3	380
42. MARANS, H., Electric Signaling; Electricity, Galvanometers and Meters	May 18	May 9	543
43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	Apr. 3	Mar. 23	759
44. HARVEY, L. P., Refrigeration; Preserving	†Dec. 23	†Dec. 10	493
45. HILL, H. D., Shafting and Flexible Shaft Couplings; Wheels, Tires, Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part), Spring, Weight and Horsepower Motors.	Feb. 28	Mar. 24	1,165
46. BLEECKER, V. E., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Coating Apparatus.	Jan. 22	Jan. 22	561
47. KANOF, WM. J., Brakes; Boring and Drilling; Motor Vehicles; Land Vehicles (part)	June 10	May 29	851
48. ROEPKE, O. B., Electricity, General Applications; Electric Igniters	Mar. 22	Mar. 22	837
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	Apr. 17	Apr. 24	576
50. LEVIN, SAMUEL, Synthetic Resins	Apr. 3	Apr. 3	1,413
51. CROCKER, A. W., Radiant Energy, Multiplex Telephony, Modulators	Mar. 6	Mar. 6	1,473
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits; Ornamentation.	Mar. 30	Mar. 10	1,021
53. PECK, M. K., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	Mar. 13	†Dec. 10	568
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	†Dec. 9	†Dec. 14	1,023
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Laminated Fabrics (part)	Feb. 19	Feb. 17	566
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making	Mar. 6	Feb. 21	858
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	†Dec. 4	Mar. 31	863
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements	Apr. 29	Apr. 8	677
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds	Feb. 7	Feb. 8	1,506
60. GLASS, R. L., Electricity-Heating; Welding; Furnaces; Batteries and Their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	Jan. 10	Jan. 10	941
61. YUNG KWAI, B., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Boats, Buoys and Ships.	Apr. 28	Apr. 11	637
62. PUGH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors	Apr. 15	Apr. 14	1,181
63. WINKELSTEIN, A. H., Poisons; Fermentation; Foods and Beverages; Oils and Fats	Feb. 8	Feb. 2	1,060
64. NASH, P. M., Acetylene; Gas Mixers; Compositions (part); Fuel	June 7	June 8	851
65. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays (e. g., Amplifiers).	Jan. 31	Jan. 21	1,034
TRADE-MARKS: RICHMOND, F. A.	Aug. 30	Sept. 18	759
DESIGNS: KALUPY, H. H.	July 15	July 25	1,770

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Appeals for the District of Columbia

THE HOOVER COMPANY
v.
COE, COMMISSIONER OF PATENTS

No. 8,602. Decided July 10, 1944

1. SUIT UNDER SECTION 4915 R. S.—JURISDICTION.

The district court *Held* to have no jurisdiction over a suit against the Commissioner under section 4915 R. S. in which the sole issue involved was whether claims copied or substantially copied from a patent for the purpose of provoking interference proceedings in the Patent Office were supported by plaintiff's application.

2. SAME—SAME.

"In the absence of controlling decisions it would seem clear from the statute that the district court had no jurisdiction over this suit. The language of section 4915 R. S. gives the court authority to adjudge that an applicant is entitled according to law to receive a patent for his invention as specified in his claim, or any part thereof, as the facts in the case may appear. Such an adjudication cannot be made in this case. Before plaintiff here is entitled to a patent it must establish priority over the patent from which the claims are copied."

3. SAME—SAME.

"In substance, this case is not a suit on the merits but an appeal from the refusal of the Patent Office to take preliminary steps which would lead to interference proceedings. Sections 4911 and 4914 R. S. give the United States Court of Customs and Patent Appeals jurisdiction to correct an administrative ruling of the Patent Office for error appearing on the Patent Office record. Nothing in section 4915 R. S. indicates that a suit in equity tried on new evidence is a duplicate method of reviewing an administrative ruling in a case where the plaintiff's right to a patent cannot be determined. Furthermore, considerations of sensible and orderly procedure are against this construction. The idea that a court of equity should interfere with the proceedings of an administrative tribunal by a trial de novo at a stage when no decision on the merits can be given is contrary to the fundamental concept of equity jurisdiction."

4. SAME—SAME.

"In the case before us we cannot determine plaintiff's right to a patent because it involves deciding that he is prior in time to another applicant who is not a party to the suit. Since the court cannot decide the whole controversy on its merits we have no jurisdiction over the intermediate proceedings in the Patent Office."

5. SAME—SAME.

"The notion that an equity suit under section 4915 R. S. gave jurisdiction to authorize the issuance of a patent to a party where the issue of priority could not be determined stems from the case of *Pitman* v. *Coe*. In that case the Commissioner moved to dismiss a proceeding under section 4915 R. S. because the denial of plaintiff's claim by the Patent Office was based on improper joinder of claims in one application. * * * It is * * * not clear from the decision whether the court thought that the district court had authority to review the single question of division and send the case back to the Patent Office for determination of patentability or whether it considered the trial court had the power to conduct an original hearing on patentability. If the decision be construed as holding that the issue of patentability need not be decided in a section 4915 R. S. proceeding it is inconsistent with the Supreme Court's ruling in *Hill* v. *Wooster* and has been overruled by our decision in *Radtke Patents Corp.* v. *Coe*. If it be construed as authorizing the district court to decide the question of patentability before the Patent Office has determined that issue, it sets forth a highly questionable doctrine which in effect transfers to the court the duty of the Patent Commissioner to make an original expert investigation of the prior art. But even if we followed the dubious course of allowing the district court to make an original investigation of priority before the Patent Office acted, there would be no jurisdiction here because the holder of the interfering application or patent would be an indispensable party."

APPEAL from the District Court of the United States for the District of Columbia. Affirmed.

Messrs. Richard R. Fitzsimmons and *William D. Sellers* (*Mr. William S. Hodges* of counsel) for The Hoover Company.

Mr. W. W. Cochran (*Mr. R. F. Whitehead* of counsel) for the Commissioner of Patents.

Before MILLER, EDGERTON, and ARNOLD, Associate Justices

ARNOLD, *A. J.*:

Both parties to this suit claim that the sole issue involved is whether the patent claims set out in the complaint are supported by plaintiff's application. One of these claims has been copied from another patent. Others are substantially the same as the claims in the second patent, yet all of them were formulated for the express purpose of provoking interference proceedings in the Patent Office. All were rejected on the sole ground that they did not read on the disclosure of plaintiff's application. In substance this meant that the Patent Office did not consider the patent with which plaintiff hoped to provoke an interference sufficiently similar to the patent from which the claims were copied to justify interference proceedings.

Counsel for both parties admit that if plaintiff's claims are allowed the court will be unable to declare that plaintiff is entitled to a patent because the record does not show whether plaintiff made the prior discovery. The only result will be to overrule the administrative decision that interference proceedings are not justified. The case will then be sent back to the Patent Office to determine priority. The complaint itself does not ask the court to adjudge that plaintiff is entitled to a patent. The only relief requested is a decree directing the Commissioner of Patents to find the claims are readable on plaintiff's disclosure and allowable to him provided that he later is determined to have priority.

On its own motion this court raised the question whether section 4915 R. S. confers jurisdiction on the district court to enter a decree which does not determine the right of the applicant to receive a patent but which instead directs the Examiner to allow claims for the purpose of provoking subsequent interference proceedings. Both parties submitted memoranda of authority supporting the

jurisdiction of the district court in the above situation.

[1][2] In the absence of controlling decisions it would seem clear from the statute that the district court had no jurisdiction over this suit. The language of section 4915 R. S. gives the court authority to adjudge that an applicant is entitled according to law to receive a patent for his invention as specified in his claim, or any part thereof, as the facts in the case may appear. Such an adjudication cannot be made in this case. Before plaintiff here is entitled to a patent it must establish priority over the patent from which the claims are copied. Such priority cannot be determined here for two reasons: (1) The party against whom the plaintiff claims priority is not before the court; (2) There has been no decision of priority by the Board of Interference Examiners. The statute clearly indicates that the issue of priority can be heard in a suit in equity only when a patent has been refused by the Board of Appeals of the Patent Office or when the plaintiff is dissatisfied with a decision of the Board of Interference Examiners.

[3] In substance, this case is not a suit on the merits but an appeal from the refusal of the Patent Office to take preliminary steps which would lead to interference proceedings. Sections 4911 and 4914 R. S. give the United States Court of Customs and Patent Appeals jurisdiction to correct an administrative ruling of the Patent Office for error appearing on the Patent Office record. Nothing in section 4915 R. S. indicates that a suit in equity tried on new evidence is a duplicate method of reviewing an administrative ruling in a case where the plaintiff's right to a patent cannot be determined. Furthermore, considerations of sensible and orderly procedure are against this construction. The idea that a court of equity should interfere with the proceedings of an administrative tribunal by a trial de novo at a stage when no decision on the merits can be given is contrary to the fundamental concept of equity jurisdiction.

Turning now to the cases we find an explicit ruling by the Supreme Court that a proceeding under section 4915 R. S. cannot select a single issue which affects plaintiff's right to a patent, without determining all the other issues on which that right depends. The Court said:

> "The provision of section 4915 is that the circuit court may adjudge that the applicant 'is entitled, according to law, to receive a patent for his invention, as specified in his claim, or for any part thereof, as the facts in the case may appear;' and that, if the adjudication is in favor of the right of the applicant, it shall authorize the Commissioner to issue the patent. *It necessarily follows that no adjudication can be made in favor of the applicant, unless the alleged invention for which a patent is sought is a patentable invention. The litigation between the parties on this bill cannot be concluded by solely determining an issue as to which of them in fact first made a cabinet creamery.* A determination of that issue alone, in favor of the applicant, *carrying with it, as it does, authority to the Commissioner to issue a patent to him for the claims in interference,* would *necessarily* give the sanction of the court to the patentability of the invention involved." [Italics added.] [1]

[1] *Hill* v. *Wooster*, 50 O. G. 560, 132 U. S. 693, 698 (1890).

Our own decision in *Radtke Patents Corporation* v. *Coe* [2] is to the same effect.

[4] In the case before us we cannot determine plaintiff's right to a patent because it involves deciding that he is prior in time to another applicant who is not a party to the suit. Since the court cannot decide the whole controversy on its merits we have no jurisdiction over the intermediate proceedings in the Patent Office.[3]

[5] The notion that an equity suit under section 4915 R. S. gave jurisdiction to authorize the issuance of a patent to a party where the issue of priority could not be determined stems from the case of *Pitman* v. *Coe*.[4] In that case the Commissioner moved to dismiss a proceeding under section 4915 R. S. because the denial of plaintiff's claim by the Patent Office was based on improper joinder of claims in one application. The Commissioner argued that, since patentability was yet to be determined, the order refusing the claims was interlocutory and not final. No question of priority was involved and all the necessary parties were before the court. The court declared that the refusal of a patent claim based on an order of division could be reviewed by a suit in equity. The prayer of the complaint asked for the issuance of a patent and not for a limited review of the order of division by itself. It is, therefore, not clear from the decision whether the court thought that the district court had authority to review the single question of division and send the case back to the Patent Office for determination of patentability or whether it considered the trial court had the power to conduct an original hearing on patentability. If the decision be construed as holding that the issue of patentability need not be decided in a section 4915 R. S. proceeding it is inconsistent with the Supreme Court's ruling in *Hill* v. *Wooster* and has been overruled by our decision in *Radtke Patents Corp.* v. *Coe*. If it be construed as authorizing the district court to decide the question of patentability before the Patent Office has determined that issue, it sets forth a highly questionable doctrine which in effect transfers to the court the duty of the Patent Commissioner [5] to make an original expert investigation of the prior art. But even if we followed the dubious course of allowing the district court to make an original investigation of priority before the Patent Office acted, there would be no jurisdiction here because the holder of the interfering application or patent would be an indispensable party.[6]

[2] 535 O. G. 3, 74 App. D. C. 251, 122 F.(2d) 937 (1941). In *Butterworth* v. *United States ex rel. Hoe*, 112 U. S. 50, 61 (1884), 29 O. G. 615, it was indicated that the record in a suit under section 4915 R. S. should include the whole merits of the applicant's right to a patent. The court said: "It is thereby provided (referring to R. S. 4915) that the applicant may have remedy by bill in equity. This means a proceeding in a court of the United States having original equity jurisdiction under the patent laws, according to the ordinary course of equity practice and procedure. It is not a technical appeal from the Patent Office, like that authorized in section 4911, confined to the case as made in the record of that office, but it is prepared and heard upon all competent evidence adduced *and upon the whole merits*. Such has been the uniform and correct practice in the circuit courts. *Whipple* v. *Miner*, 15 Fed. Rep. 117; *Ex parte Squire*, 3 Ban. and A., 133; *Butler* v. *Shaw*, 21 Fed. Rep. 821." [Parenthetical matter and italics added.]

[3] Cf. *Synthetic Plastics Co.* v. *Ellis-Foster Co.*, 78 F.(2d) 847 (C. C. A. 3rd, 1935); *Cherry-Burrell Corp.* v. *Coe*, No. 8487 (decided June 19, 1944).

[4] 439 O. G. 5, 62 App. D. C. 365, 68 F.(2d) 412 (1933).

[5] Section 4904 R. S.

Appellant asserts that this court has tacitly approved administrative review of Patent Office rulings under section 4915 R. S. in cases where the record showed that the claims involved were copied from other patents or applications to provoke interference proceedings. It cites the cases of *International Cellucotton Products Co.* v. *Coe* [7] and *American Cyanamid Co.* v. *Coe*.[8] Those cases involved the refusal to grant claims copied from another patent. Nevertheless, the mandate directed the Patent Office to issue a patent to the plaintiff. The Patent Office was unable to comply because priority had not been determined. The mandate was, therefore, ignored and interference proceedings were instituted after our decision. The question of jurisdiction was not raised by the Patent Office or considered by this court. Our attention was not called to the fact that the mandate in favor of plaintiff's right to a patent could not be carried out. Instead of supporting jurisdiction the unforeseen results of these cases illustrate the inappropriateness of an independent suit in equity to determine the correctness of an intermediate ruling in the Patent Office. They present a procedure in which a court of equity makes a declaratory judgment on a record which compels the Patent Office to ignore the terms of that judgment.

Doubtless the failure of this court to notice the lack of jurisdiction in the cases above referred to was due to the artificial form in which they were presented. Theoretically each patent claim is a distinct invention. Therefore, the refusal of any single claim appears in the pleadings under section 4915 R. S. as the refusal of a patent on a distinct invention. Actually, however, in applications containing multiple claims the claims often do not represent distinct inventions but only different ways of describing a single invention. This is particularly true when claims are copied to be used as counts in an interference. The purpose of such copied claims is not to claim distinct inventions but to compare similar single inventions detail by detail. This method of limiting or enlarging the scope of a single invention through the device of multiple claims should be recognized for what it is—an administrative method by which the Patent Office clarifies the issues in an interference proceeding. The fact that the Patent Office uses an artificial conception of the phrase "distinct invention" should not be made a vehicle to enlarge the jurisdiction of this court to include appeals which may properly be taken only to the United States Court of Customs and Patent Appeals.

For these reasons the judgment of the court below dismissing the complaint will be affirmed.

[6] *Hazeltine Corp.* v. *White*, 68 F.(2d) 715 (C. C. A. 2d, 1934). That case was a suit by a losing party in a multiple interference proceeding, brought against the successful interferent. It was held that the other losing interferents were indispensable parties to a suit under section 4915 R. S. The court said, at page 717: "Only in the sense that a decree in this suit would be futile to establish the right of any one to a patent, on the assumption that the Commissioner would not be authorized to issue it, can it be said that a decree can be made which does not affect the interests of the absent adverse parties, . . . A decree which did authorize the Commissioner to issue the patent would ignore the right of the absent adverse parties to be heard, and leave the controversy in such a condition that its final determination might be contrary to fundamental principles of equity and good conscience."

If, as the statute requires, this court were to issue a decree adjudging that the plaintiff is entitled to the claims in issue, it would likewise "ignore the right of the absent adverse parties to be heard". That the rival claimant is an adverse party and that the issue of readability may be the most crucial one in his case is illustrated by *Smith* v. *Carter Carburetor Corp.*, 130 F.(2d) 555 (C. C. A. 3rd, 1942).

[7] 471 O. G. 243, 66 App. D. C. 248, 85 F.(2d) 869 (1936).

[8] 506 O. G. 781, 70 App. D. C. 330, 106 F.(2d) 851 (1939).

U. S. Court of Customs and Patent Appeals

HAMER v. WHITE ET AL.

No. 4,894. Decided June 19, 1944

[143 F.(2d) 987]

1. APPEAL—INTERFERENCE—WEIGHT ATTACHING TO FINDINGS OF BOARD OF INTERFERENCE EXAMINERS.
   Held that the responsibility of the Board of Interference Examiners in an interference is analogous to that of a judicial trial tribunal, and that, as an appellate tribunal, the Court of Customs and Patent Appeals is not at liberty to reverse the Board's findings of fact unless convinced that such findings are clearly against the weight of the evidence.
2. INTERFERENCE—PRIORITY.
   Evidence reviewed and *Held* that priority properly was awarded to appellees.

APPEAL from the Patent Office. Affirmed.

Mr. P. E. Henninger (*Mr. M. Davenport* of counsel) for Hamer.

Messrs. Harris, Kiech, Foster & Harris for White et al.

GARRETT, *P. J.*:

This case comes before us for review by an appeal from the decision of the Board of Interference Examiners of the United States Patent Office (hereinafter referred to as the Board) awarding priority to White and Graham (hereinafter usually referred to as appellee) as joint inventors of a valve structure stated to be for use principally upon slush pumps of large size handling the rotary mud which is employed in oil well drilling.

Three counts are involved, of which count 1 is typical. It reads:

> 1. In a valve structure, the combination of: a valve seat having an annular face perpendicular to the axis of said structure, a first conical face flaring inwardly away from said annular face and a second inwardly flaring conical face connecting said annular face and said first conical face and forming a smaller angle with said axis than the first conical face; a valve body having a first conical face parallel to and in juxtaposition with said first conical face of said valve seat, a second conical face parallel to and in juxtaposition with said second conical face on said valve seat, and an annular face parallel to and substantially in the same plane as said annular face of said valve seat; and a sealing disc having an annular face contactually engaging said annular faces of both said valve seat and valve body respectively.

No detailed analysis of the counts is necessary to our decision. The particular feature here involved is referred to by the Board and throughout the record and briefs as the "double angle feature." It is embodied in the structure defined in all the counts, although the term "double angle" is not used eo nomine in any one of the counts.

The interference was declared February 10, 1941, between a patent issued December 3, 1940, to Oil Well Manufacturing Corporation, assignee of White and Graham, on an application filed August 1, 1940, and an application of Hamer (hereinafter referred to as appellant) filed June 11, 1940. Appellant being the senior party, it was incumbent upon appellee to establish priority by a preponderance of the evidence. Appellee took the testimony of many witnesses and introduced in evidence a large number of documentary exhibits, together with some physical exhibits. Appellant elected to stand on his filing date and took no testimony.

The Board did not name any specific dates in its award of priority to appellee, but held, upon the evidence presented, that appellee was "in possession of the invention in issue prior to Hamer's entry into the field."

There are only two general issues in the case, both of which are issues of fact.

The first is whether appellee established priority by a preponderance of the evidence.

The second is whether White and Graham were joint inventors.

To be somewhat more specific, the underlying question is whether the testimony taken on behalf of appellee is to be given credence. If it be credited, there can be no question of its establishing appellee's priority. The gravamen of appellant's contention, as expressed in different of his reasons of appeal, and argued in his brief and orally before us, is that appellee fabricated a story in the effort to prove priority.

To be still more specific, appellant claims, in substance, that the activities of appellee relative to the invention, which appellee's witnesses testify took place in the years 1938, 1939 and the early part of 1940, did not take place during that period but occurred after June 3, 1940, when a representative of appellee is alleged to have seen a valve made by appellant which is claimed by appellant to have embodied the double angle feature in question. No question of originality, however, is made an issue in the case.

In the reasons of appeal stated in the notice of appeal to us there are embraced assignments of error arranged in sixty-four separately numbered paragraphs. Appellant's brief before us covers 248 printed pages.

So far as we can discern from the decision of the Board and the testimonial record before us, every detail of the evidence was discussed before that tribunal in much the same manner as it was discussed before us, and every material detail is reviewed with meticulous care in the Board's decision which covers fifteen printed pages of the record.

It will be observed from the dates above given that the patent to appellee was issued December 3, 1940, substantially only four months after the filing of appellee's application. The expediting of consideration of appellee's application by the Examiner is explained at the outset of the Board's decision as follows:

It appears from the White and Graham application file that the examination thereof was made "special" because of the alleged infringing valve of the Hamer Oil Tools Co. as shown by Exhibit A which R. E. Gillespie, an employee of the Oil Well Manufacturing Co. averred he had seen at a well of the Superior Oil Co. on June 3, 1940. This becomes significant in view of the contentions of counsel for Hamer which will be discussed more fully hereinafter.

The Board then stated the contention of the parties as follows:

The position of the party White and Graham is that the present invention was brought about as the result of difficulties which were being experienced with valves for the larger size pumps, especially by the Union Oil Co., in 1938; that as a result of these difficulties several solutions of the problem were discussed by White, Graham and others, and as a result of which, it was decided to test two sets of valves similar to their regular valves, one set of which were modified by using a brass plate under the regular rubber insert and the other set of which embodied the so-called double angle feature which is involved herein.

It is contended that drawings, Exhibits 47 and 48, were made of the double angle feature early in January, 1939; that two test valves were made therefrom and installed in a pump of the Union Oil Co. along with two valves of the brass insert type in March, 1939; that the double angle valves remained on test until September, 1939; that they were satisfactory and that large numbers of valves embodying the double angle feature have been sold prior to June 3, 1940.

It is the contention of the party Hamer that the need for the invention did not arise until 1939, as it was not until that time that Union Oil Co. began using "Red Devil" valves of the Oil Well Manufacturing Co. instead of 1938 as contended by White et al. It is also contended that the White and Graham record is so full of inconsistencies and contradictions that it is evident that the story is a complete fabrication and that the real facts are that all of the fabrication and that the rear facts are that all of the acts on the part of White and Graham in any way relating to the invention in issue occurred after June 3, 1940, when Gillespie saw the Hamer valve as set forth in his ex parte affidavit.

It is not denied by Hamer that some kind of a test was started by the Oil Well Manufacturing Co. at the Union Oil Co. well in March, 1939, and completed in September, 1939, nor that some kind of valves were sold on the alleged dates; but it is vigorously denied that the record shows that such valves incorporated the double angle feature in issue. It is strenuously urged that White and Graham have put the double angle valve, which allegedly, first came to their attention by seeing the Hamer valve on June 3, 1939 [1940], in the surroundings of the device, whatever it was that was tested in 1939, to thereby carry their dates of invention back of Hamer.

The Board then proceeded to discuss the evidence, first saying:

We have carefully examined the White and Graham record in the light of the contention that their story is a complete fabrication but fail to find sufficient basis to support the charge.

[1] As has been indicated, we are of opinion, from the study we have made of the voluminous record in the light of appellant's extensive brief and his oral argument before us, that the Board reviewed every material matter completely, fairly and correctly. The Board's responsibility in the case was analogous to that of a judicial trial tribunal, and, as an appellate tribunal, we are not at liberty to reverse its findings of fact unless convinced that such findings were clearly against the weight of the evidence.

The decision of the Board, of course, will be available to all who may care to read it after our decision shall have been published. Any written review of the evidence made by us could be little more than a paraphrase of what the Board said. Were we reversing the decision of the Board it would be incumbent upon us to give a written review and point out the reasons for disagreement. Since we are affirming, no such review is necessary.

However, some general observations on our part are proper.

Appellee took the testimony of a large number of witnesses, many of whom had no interest whatsoever in the outcome of the case. Somewhat by way of summary the Board pointed to the testimony (citing record page and question numbers) given by fifteen witnesses, each of whom testified, to use the phraseology of the Board, "as to either having seen actual valves embodying the double angle feature, or having knowledge thereof, all in 1939." Such valves, of course, were the products of appellee, so far as the record shows, appellant making no claim to having one on display or in use earlier than June 3, 1940. We agree with the Board's statement immediately following the foregoing summary, reading:

It is incredible that the large number of witnesses who have thus testified concerning the double angle valves would either be mistaken or willing to perjure themselves as to the date when they first knew of this development.

The Board recognized and stated in its decision "that there are inconsistencies, contradictions and unexplained incidents in the record of White and Graham," but very pertinently added,

"this, however, is to be expected in any record; where all the witnesses tell exactly the same story it is a more suspicious circumstances than where there is some variation."

The Board very carefully pointed out that certain of the testimony on behalf of appellee which, under the well-known rules of practice, required corroboration was not corroborated, and, therefore, was given no consideration. It also pointed out that certain statements in certain exhibits are in the nature of self-serving declarations, and held them entitled to no weight.

Appellant introduced no evidence attacking the character of the witnesses for appellee, nor any (we again quote from the decision of the Board) "to establish that the testimony of any witness was false." He seeks to have the conclusion as to appellee's case being fabricated deduced solely from the inconsistencies, etc., to which the Board referred, and no effort to impeach the witnesses allunde was made.

So far as we can discern from our own careful examination of the record, it contains nothing which indicates that White or Graham or any other of those testifying are lacking in good character or integrity.

We are, therefore, unable to find any justification for holding that the Board's finding to the effect that appellee's activities culminating in the invention took place prior to any date which appellant may claim is erroneous.

The second issue—that is, whether White and Graham were joint inventors—has been considered in the light of appellant's arguments concerning it.

The Board considered it fully and stated, in part:

In the application of White and Graham which matured into a patent, they swore that they were joint inventors and the application appears to be in due form. They also executed a preliminary statement claiming to be joint inventors and nothing appears of record inconsistent with this claim.

It is well settled that an application in due form made by two or more persons claiming to be joint inventors, is prima facie evidence that they are such, and this cannot be overcome except by clear and unequivocal evidence (*Hand et al.* v. *Van Berkel*, 305 O. G. 420, 1922 C. D. 37; *Clement* v. *McQuarrie et al.*, 298 O. G. 1081, 1922 C. D. 92, 51 App. D. C. 278; *Brown* v. *Edeler et al.*, 519 O. G. 222, 1940 C. D. 429, 27 C. C. P. A. 1091). Hamer has not sustained this burden, thus we hold that White and Graham were joint inventors.

We find no error in the Board's holding on that issue.

[2] The decision of the Board is affirmed.

Affirmed.

LENROOT, *J.*, sat during the argument of this case, but resigned before the opinion was prepared.

U. S. Court of Customs and Patent Appeals

ETTEN *v.* JANTZ

Nos. 4,790 and 4,791. Decided January 3, 1944

[142 F.(2d) 680]

INTERFERENCE—PRIORITY.

Evidence reviewed and *Held* to establish that appellee reduced to practice the wringer expressed in the counts of both interferences on appeal prior to any date alleged by appellant, and that priority properly was awarded to appellee.

APPEALS from the Patent Office. Affirmed.

Messrs. Tefft & Tefft (*Mr. Charles K. Woodin, Mr. J. Preston Swecker, Mr. Alexander C. Mabee,* and *Mr. Charles F. Meroni* of counsel) for Etten.

Mr. Charles E. Riordon (*Mr. H. C. Lord* of counsel) for Jantz.

LENROOT, *J.*

These are appeals from decisions of the Board of Interference Examiners of the United States Patent Office, in interference proceedings, awarding to appellee in each case priority of invention of the subject matter of the counts.

In appeal 4,790, interference 77,671, there is involved an application of appellee filed October 25, 1934, Serial No. 749,977, and an application of appellant filed September 3, 1935, Serial No. 38,932.

In appeal 4,791, interference 77,672, there is involved the same application of appellee filed October 25, 1934, and a patent issued to appellant September 22, 1936, upon an application filed December 23, 1932, Serial No. 648,620.

It will be observed that in appeal 4,790 appellant is the junior party and the burden was upon him to establish priority of invention by a preponderance of evidence. In appeal 4,791 appellant is the senior party, and the burden was upon appellee to establish priority of invention by a preponderance of evidence.

The general subject matter involved in both interferences is concisely described in appellant's brief as follows:

The invention involved in these interferences, as disclosed in the Etten patent and Jantz application, relates essentially to safety release mechanism for power-driven-roll wringers of washing machines.

The wringing rolls are customarily pressed together under pressure, and being power driven, it not infrequently happens that an operator may get her hand caught in the bite of the rolls, causing serious injury thereto. The invention here involved has provision for quickly releasing the pressure of the rolls, under control of the operator, in the event of such an accident, to permit the hand to be withdrawn.

Both parties took testimony which, by stipulation, was made applicable to both of the interferences

before us, and also to two other interferences between the same parties.

As both interferences are closely related they will be considered in a single opinion, but each interference will be separately considered.

Appeal No. 4,790—Interference No. 77,671

In this appeal six counts are involved. Count 1 is illustrative and reads as follows;

1. In a wringer, in combination of a wringer roll supporting frame, wringer rolls mounted in said frame, one of said wringer rolls being slidably mounted, said frame comprising opposed frame members between which said wringer rolls are located, and a toggle between said frame members for producing pressure between said rolls, said toggle comprising a link provided with an inner pocket and pivoted to one of said frame members and an inner link pivoted to said pocketed link and to the other of said frame members in position to be received in said pocket upon approach to parallelism between said links for producing such pressure between said rolls.

The Board found that with respect to all the counts appellee had conceived the invention and reduced it to practice "at least by April 10, 1932." Appellant alleged in his preliminary statement that he conceived the invention on or about May 2, 1932, and reduced it to practice on or about June 1, 1932. The date awarded to appellee of April 10, 1932, for conception and reduction to practice, being earlier than the dates of conception and reduction to practice alleged by appellant in his preliminary statement, priority of invention was awarded to appellee with respect to all of the counts.

Two questions are presented to us upon this appeal.

The first is a preliminary question concerning the admissibility of an amendment to appellee's preliminary statement. It appears that originally the Primary Examiner in his declaration of interference, dated November 8, 1939, required that the preliminary statements should be filed on or before December 11, 1939, and that on December 11 appellee filed a preliminary statement. This statement does not appear in the record, and the record furnishes no information as to the contents thereof. Appellant's brief, however, states that in such statement it was alleged that appellee conceived the invention on April 1, 1932, and reduced it to practice on September 1, 1932.

The record does show that on January 5, 1940, appellee filed a motion to substitute the preliminary statement appearing in the record for the preliminary statement filed December 11, 1939. In said motion it is stated that the preliminary statements were not due until January 11, 1940, because of a stipulation approved by the Examiner extending the time to said last-named date. It was also stated in the motion that attached thereto was an affidavit setting forth the reasons why it was desired to substitute the preliminary statement, the subject of the motion. This affidavit does not appear in the record. Neither does the record show any objection by appellant to such motion. The motion was granted by the Examiner on January 24, 1940. This substitute preliminary statement alleges conception of the invention on or about December 1, 1931, and reduction to practice on or about December 15, 1931.

Upon this point the Board, in its decision, stated.

The Etten brief refers to the Jantz motion to amend his preliminary statement. The motion was granted without opposition and that question is not now up for consideration in this interference, although the Etten brief refers to interference No. 75,433, wherein a motion by Jantz to amend his statement was before the Interference Examiner for determination at final hearing. It appears that this fact accounts for the argument concerning the amended statement in the instant case and no convincing reason has been presented for setting aside the ruling previously made relative to it.

In his reasons of appeal, appellant alleges error in the admission of the substitute preliminary statement.

It is obvious from the foregoing statement of facts that we cannot hold that said preliminary statement was improperly admitted. Even if the record showed that appellant had duly objected to its admission, there is nothing in the record upon which we could base a finding of error in its admission.

Coming now to the merits of the case, we would observe that if the Board did not err in holding that appellee had reduced the invention to practice by April 10, 1932, it is unnecessary to consider the proofs of appellant with respect to his conception and reduction to practice of the invention, because the earliest date of conception alleged by him is subsequent to said date of April 10, 1932.

It appears from the evidence on behalf of appellee that in May 1931 he made an agreement with the Corcoran Manufacturing Company of Norwood, Ohio, for the manufacture of washing machine wringers designed and patented by him; that under the terms of the agreement appellee was to receive a royalty on all such wringers produced and sold by said company, and also a commission on the sales of wringers; that appellee was to be in charge of such sales for the company; and that prior to such agreement the Corcoran Company had never manufactured washing machine wringers.

Appellee testified that pursuant to such agreement the Corcoran Company manufactured wringers pursuant to his instructions and sold a large number of the same; that such wringers were criticized with respect to the safety release mechanism thereon; that he then proceeded with the work of improving the type of wringers so manufactured, and that the invention here involved was developed through eight successive stages; that a wringer was constructed (appellee's Exhibit O), embodying the final stage, and tested sometime in the latter part of March or first of April 1932; that in such tests the wringer was attached to a power-driven washing machine, and wet clothing was passed through the wringer "in the regular way, as anybody would use a wringer"; that the release mechanism was operated and that it "worked perfectly."

Appellee further testified that the wringer, Exhibit O, embodying the involved invention was laid aside and was not put into commercial production until the summer of 1933; that the reason for this was that the Corcoran Company was in financial difficulties and was placed in receivership, and the receiver continued the business with the old models and was unwilling, until July 1933, to expend the money necessary for dies, etc., to manufacture the model embodying the invention; that in the latter part of July 1933 the receiver arranged to have the necessary dies made, and many wringers were produced and sold similar to Exhibit O. A sample of such wringers was introduced in evidence as "Jantz Exhibit T."

It was stipulated that on September 28, 1932, one Frank J. Norris was appointed receiver for the Corcoran Company, with authority to continue the business; that the receivership was terminated by the sale of the assets of the Corcoran Company on June 27, 1934, and the company was dissolved as a corporation as of December 27, 1934.

Appellee did not introduce any documentary evidence touching his activities relative to the involved invention, made during the time of its alleged development by him. He did introduce certain drawings made shortly before the testimony in his behalf was taken, but such drawings only served to explain his testimony and that of his corroborating witnesses, and in themselves have no probative force.

Appellee explained the absence of any documentary evidence relating to the development of his invention as follows:

I thought that possibly I might pick up some records or memorandums down at the old Corcoran Manufacturing Company's plant, but I found that everything had been entirely cleaned out and done away with and the factory was being occupied by another concern, and I didn't know where to go to get any records, because we really kept hardly any records as we went along. We would make memorandums of this or that thing and think of it, and that would be the end of it—it would pass away some way.

With respect to the preservation of the physical exhibits introduced in evidence by appellee, he testified that when it was decided that the Corcoran Company would go out of business, he put such exhibits in one corner of the factory floor and put a card upon them bearing the statement "property of G. H. Jantz," and later removed them to the factory of the Boss Washing Machine Company where they remained until the time his testimony was taken.

Appellee introduced the testimony of three witnesses to corroborate his testimony with respect to his conception of the invention and its reduction to practice.

Without going into detail respecting such testimony, it is sufficient to say that if the events testified to by them occurred at the times testified to, reduction to practice of the invention by appellee not later than April 10, 1932, is sufficiently established.

Appellant sharply challenges the testimony of these corroborating witnesses and invokes the well established rule that where only oral testimony is relied upon, taken long after the events testified to, it must be carefully scrutinized.

Having in mind this rule, we have scrutinized the testimony of said corroborating witnesses very carefully. It does not appear that said witnesses had any connection with, or relationship to, appellee when their testimony was taken. At the time of the alleged development of appellee's invention, they were all employees of the Corcoran Company. They were tool and die makers, and each testified that he took part in the construction of the wringers in the various stages of the development of the involved invention, including its final form, Exhibit O. We are of the opinion that they sufficiently identified the various elements of the invention as called for by the counts. Each of said witnesses testified to the testing of Exhibit O by running wet clothes through it and operating the release mechanism, and that such mechanism operated satisfactorily.

It should here be stated that the testimony shows that one change was made in Exhibit O after its alleged reduction to practice, but such change did not involve any of the elements of the counts. This change will be hereinafter referred to in connection with the discussion of another question.

We find nothing in the record impugning the credibility of said corroborating witnesses. If they had depended solely upon memory for the dates fixed by them, inasmuch as they testified eight years after the occurrence of the events testified to by them, we might well question their credibility, for it is contrary to human experience that one can, with certainty, remember dates so long after the event unless connected with the happening of some other event, the date of which can be definitely fixed.

The witness Brueggeman testified to the completion and testing of Exhibit O in the latter part of February 1932, and that it was then laid aside; that on May 17, 1932, his wife became seriously ill and was taken to a hospital where she remained for some time, and that while she was there he, being in charge of such work for the Corcoran Company, directed that a duplicate of Exhibit O be made by the workmen so that if said Exhibit O was taken by Mr. Jantz from the factory as a model for selling purposes, a duplicate would remain in the factory for experimental purposes. It was stipulated that the records of the Good Samaritan Hospital at Norwood, Ohio, show that the wife of the witness entered the hospital on May 17, 1932, and left the hospital on June 4, 1932.

Appellee's witness Dasbach testified that he personally made some of the parts of Exhibit O; that while engaged in that work he accidentally injured a fellow workman to such extent as to require the services of a doctor, one Frank Perry, and that Exhibit O was completed and tested in March. It was stipulated that the office records of Dr. Perry show that the injured workman was brought to him for treatment on February 2, 1932.

Appellee's third corroborating witness was one Herman Onck, a die maker. He testified to the completion of a wringer embodying the invention and its successful testing in the latter part of March or first of April 1932; that he knew Exhibit O was completed and tested before April 10, 1932, because on that date his wife came to the factory and informed him that a blooded cat which she owned was having kittens; that at that time Ex-

hibit O was attached to a washing machine and he demonstrated its operation to his wife, after which he accompanied her to her home to assist in taking care of the cat; that the kittens were registered at a "cattery"; that all but one died; and that the survivor became a champion cat and was one of the winners at the Dayton, Ohio, cat show.

Mrs. Onck corroborated her husband's testimony with respect to the cat episode, and the demonstration to her of the operation of Exhibit O.

The owner of the "cattery" also testified to the registration by her of the birth of the kittens on April 10, 1932, and also corroborated the testimony of Mr. and Mrs. Onck that one of the kittens so registered later became a prize cat. A copy of the registration of said kittens by the "cattery," showing the birth of said kittens on April 10, 1932, was introduced in evidence by appellee.

The aforesaid occurrence of events, the dates of which were established and relied upon by witnesses to aid their recollection of the events respecting reduction to practice of the involved invention, lead us to the conclusion reached by the Board that reduction to practice by appellee of the involved invention was accomplished before any date to which appellant is entitled for either conception or reduction to practice.

Appellee's conduct respecting the invention, as revealed by his testimony, gives rise to some doubt that he considered that he had made an invention. The record shows that he was an experienced inventor. Two patents relating to wringers issued to him, one in 1922 and the other in 1931, are in the record. He testified that one attorney had looked after "all of my patent applications for a number of years"; that he was familiar with the rules of the Patent Office, and if he considered an improvement made by him was important enough, he would proceed to apply for a patent for it. However, his instant application was not filed until October 25, 1934, more than two and a half years after his claimed completion of the invention.

Another circumstance is that appellee must have been aware of the desirability, from a patent standpoint, of preparing and preserving drawings of the invention. One of the employees of the Corcoran Company, and a witness for appellee (Onck), although primarily a die maker, was also a draughtsman, but he never made any drawings of the invention, nor was he requested by appellee to do so.

While under a different state of facts the above-named circumstances might warrant a holding that the alleged invention was merely an abandoned experiment, the testimony of disinterested witnesses in the case at bar, if it is to be believed, positively shows reduction to practice of the invention prior to April 10, 1932, and the beginning of commercial production of the invention a little more than a year thereafter. Inasmuch as we find nothing in the record upon which to base lack of credibility of said witnesses, we cannot find error in the holding of the Board respecting reduction to practice of the invention by appellee.

Appellant contends that if it should be held that appellee was the first to conceive and reduce to practice the invention, the doctrine of concealment and suppression is here applicable, and that appellee is estopped from claiming priority of the invention. He cites in support of this contention the leading case of *Mason* v. *Hepburn*, 13 App. D. C. 86, 84 O. G. 147, and several cases in this court.

We find no basis in the record for the application of said doctrine. It appears that appellee was ready and desired to put the device embodying the invention upon the market shortly after its completion, and that the reason why it was not done was the financial condition of the Corcoran Company and its unwillingness to expend the money necessary for the production of new dies for its manufacture.

It further appears that on June 17, 1932, the Corcoran Company received a notice of infringement from the Lovell Manufacturing Company of certain designated patents owned by it. This notice obviously applied to wringers then being sold by the Corcoran Company under its contract with appellee which did not embody the involved invention.

Appellee testified that to avoid infringement of one of said patents which involved a key hole slot in a certain relation, he discontinued the key hole slot and made a round hole in lieu thereof, and that such change was made in Exhibit O. That this change was made in June 1932, shortly after said notice of infringement was received, was corroborated by two of appellee's witnesses.

The notice of infringement above referred to was introduced in evidence by appellee.

The circumstance last above related supports appellee's contention that said Exhibit O was not laid aside after its testing in April 1932, either as an abandoned experiment or with intent to conceal and suppress the invention. Obviously the change in said Exhibit O above referred to was made in the expectation of commercially producing and putting upon the market the invention, which was afterwards done.

For the reasons herein stated, the decision appealed from will be affirmed.

Appeal No. 4,791—Interference No. 77,672

In this interference, as noted earlier in this opinion, appellant is the senior party and the single count before us was copied from his patent. Appellee's application is the same as is involved in appeal 4,790. The count reads as follows:

> In a roll wringer releasing device, the combination of a lower wringer frame, a releasable top frame therefor, wringer rolls disposed in the lower frame, tensioning means for the rolls supported in the upper frame, the same being capable of moving the upper frame relative to the lower frame to relax pressure between the rolls, a toggle link mechanism connecting the upper and lower frames the same being operable by the upper frame when the latter is moved by said tensioning means, latch mechanism cooperative with said link mechanism adapted to prevent operation of the latter by the described movement of the upper frame whereby said movement is prevented and pressure between the rolls is maintained and manual means for moving said latch to permit operation of the toggle link mechanism to allow movement of the upper frame whereby pressure between the rolls is relaxed.

The questions before us upon this appeal are identical with those in appeal 4,790, and the record is substantially the same in both cases.

With respect to the admissibility of appellee's substitute preliminary statement there is nothing in the record upon which error could be based in its admission, and our discussion of a similar question in appeal 4,790 is applicable here.

With regard to reduction to practice, the same dates are set forth in the respective preliminary statements as were set forth in appeal 4,790. The Board found that appellee had reduced the invention to practice not later than April 10, 1932, and that being earlier than any date to which appellant was entitled under his preliminary statement, priority of invention was awarded to appellee.

The Board stated that its reasons for so holding were more fully stated in interference 77,671 (appeal 4,790).

So, here the evidence being the same as in appeal 4,790 our reasons given in that appeal for affirming the decision of the Board are applicable here, and the decision appealed from must be affirmed.

For the reasons herein stated, the decisions of the Board in appeals 4,790 and 4,791 are affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

BROOS *v.* BARTON

No. 4,834. Decided April 15, 1944

[142 F.(2d) 690]

1. INTERFERENCE—FOREIGN APPLICATION—CONSTRUCTIVE REDUCTION TO PRACTICE.

   Appellee, who conceived in the United States the invention expressed in counts 1, 3, and 4 on appeal, who on August 4, 1936, filed in Great Britain an application for patent on that invention, and who on December 19, 1936, filed in the United States an application for patent on the same invention, *Held* entitled to said date of August 4, 1936, for constructive reduction to practice of the invention.

2. SAME—SECTION 4887 R. S.

   "Section 4887 clearly provides that where an application is filed in the United States within the prescribed period after a like application has been filed in a foreign convention country, such domestic application shall have the 'same force and effect' as the same would have had if it had been filed in this country on the date that it was filed in the foreign country."

3. SAME—FOREIGN APPLICATION—CONSTRUCTIVE REDUCTION TO PRACTICE—DILIGENCE.

   "Congress thus having provided that where an application is duly filed in a country coming within the provisions of section 4887, an application for the same invention filed in the United States within twelve months from the date of the foreign application shall have the same force and effect as if filed in the United States upon the date of the foreign application, it clearly must be governed by the same rules as are applied to applications originally filed in this country and the doctrine of constructive reduction to practice, and the rule of diligence in the United States in preparing the application for filing, clearly are applicable in the consideration of such application. To hold otherwise would plainly violate the provisions of section 4887."

4. SAME—SAME.

   Held that appellee's British application "must be considered in the same manner and to the same extent as if it had been filed in the United States on August 4, 1936."

5. SAME—SAME—PUBLIC POLICY.

   Appellant having raised the question of public policy in permitting American inventors to make applications abroad for patents for their inventions, delaying the filing of United States applications therefor, and still be protected in interference proceedings by being accorded their foreign dates for constructive reduction to practice; and appellant having contended, in effect, that in the public interest such applicants should not be permitted in interference proceedings to receive awards of priority based upon diligence in the United States in preparing such applications *Held* that "neither the Patent Office tribunals nor the courts may determine questions of public policy contrary to the expressed will of Congress;" that "Congress has provided that where an application has been filed in a foreign country a later application for the same invention filed in this country within twelve months from the date of the foreign application shall have the same force and effect as if filed in this country on the date of the foreign application;" and that "if said provision is not in accord with a proper public policy for the United States, Congress alone has the power to modify the provision and this court can not, by judicial legislation, undertake to do so."

6. SAME—STATUTES GOVERNING.

   Held that the cases of *Electric Storage Battery Co.* v. *Shimadzu et al.*, 307 U. S. 5, 504 O. G. 4, and *In re McFarlane*, 29 C. C. P. A. (Patents) 810, 125 F.(2d) 169, 540 O. G. 237, "have no application to interference proceedings which are governed by sections 4887 and 4923 R. S., while the statute construed in said decisions was section 4886 R. S.

7. SAME—PRIORITY.

   Record reviewed and *Held* that appellant was entitled to August 3, 1936, the date when he filed an application in Germany, for conception and constructive reduction to practice; that appellee was entitled to July 24, 1936, for conception in this country; that appellee was entitled to August 4, 1936, the date when he filed an application in Great Britain, for constructive reduction to practice; that appellee was diligent during the period of eleven days intervening between his conception and constructive reduction to practice; and that priority properly was awarded to appellee.

APPEAL from the Patent Office. Affirmed.

Mr. Harry G. Grover, *Mr. James G. Norton* and *Mr. Abraham S. Greenberg* for Broos.

Messrs. Howson & Howson and *Mr. William A. Smith, Jr.* (*Mr. Charles H. Howson* of counsel) for Barton.

LENROOT, *J.*:

This is an appeal from a decision of the Board of Interference Examiners of the United States Patent Office awarding to appellee priority of invention of the subject matter described in counts 1, 3, and 4 of the interference. Priority with respect to count 2 was awarded to appellant and no appeal was taken by appellee from such award.[1]

In view of the questions presented by the appeal, it is unnecessary to discuss the invention or the counts forming the issue.

It appears that appellant, on August 3, 1936, filed in the Patent Office of Germany an application dis-

[1] This cause was originally decided by this court on the 7th day of February, 1944. Thereafter, counsel for appellant filed a petition for rehearing. The rehearing was granted April 14, 1944, for the purpose of permitting the court to revise the original opinion without changing the conclusion there reached.

closing the involved invention, and he was given that date by the Board for conception and reduction to practice of the invention; that on August 4, 1936, appellee filed in the British Patent Office an application disclosing the invention, and he was given that date for constructive reduction to practice of the invention. The Board further found that appellee was entitled to the date of July 24, 1936, for conception of the invention, and that his activities in this country toward filing his British application constituted such diligence in reducing the inventon to practice as to entitle him to an award of priority. In other words, the Board held that appellee, although the last to reduce the invention to practice, was the first conceiver thereof, and was diligent in reducing it to practice.

These holdings were made under the Board's construction of the provisions of section 4887 R. S. (U. S. C., title 35, sec. 32).

Pursuant to the provisions of our Rule XXV, Part 3(e) the parties stipulated a "Statement of the Facts of the Case" which reads, in part, as follows:

This appeal arises from an interference in the Patent Office, No. 78,919, between an application of Henricus A. Broos, Serial No. 157,078, filed August 3, 1937, for Low Frequency Amplifier, assigned to Radio Corporation of America, and an application of Loy E. Barton, Serial No. 116,803, filed December 19, 1936, for Amplifier Circuits, assigned to Philco Radio and Television Corporation.

The appeal is taken by the junior party Broos from the decision of the Board of Interference Examiners, dated August 28, 1942, awarding priority to the senior party Barton as to counts 1, 3 and 4 of the interference issue. The reasons assigned by the party Broos for the appeal are set forth in his Notice of Appeal to this court.

Question raised on appeal

The questions raised by the party Broos on the appeal are questions of law only.

The question is:

Is the party Barton, who filed an application in Great Britain on August 4, 1936 disclosing the subject-matter of counts 1, 3 and 4 of the interference issue, and who filed an application for the same invention in the United States on December 19, 1936, i. e., within one year from his filing date in Great Britain, entitled to the award of priority by reason of the filing of the said applications and proof of conception and of other acts performed in the United States immediately preceding August 3, 1936, pertaining to and culminating in the filing of the said application in Great Britain?

As subsidiary to the above question, the following is presented:

(a) Is the party Barton, who is entitled to an effective date of invention at least as early as August 4, 1936, the filing date of his said application in Great Britain, entitled to rely, in establishing priority, on proof of conception and of other acts performed in the United States immediately preceding August 3, 1936, pertaining to and culminating in the filing of the said application in Great Britain?

(b) Is the party Barton, who presented no proof of activity between August 4, 1936, the filing date of his said application in Great Britain, and December 19, 1936, the filing date of his said application in the United States, entitled to the award of priority by reason of diligence between his conception of the subject-matter of counts 1, 3 and 4 of the interference issued in the United States and the filing date of his said application in the United States, in view of the filing of the said application in Great Britain and proof of conception and of other acts performed in the United States immediately preceding August 3, 1936, pertaining to and culminating in the filing of the said application in Great Britain?

Then follows a recital of the stipulated testimony which shows that in the month of July, 1936, appellee was employed by the Philco Radio and Television Corporation, appellee's assignee, in Philadelphia, Pennsylvania; that in the course of such employment he conceived the invention in issue, and disclosed it to the attorneys of his employer; that the draft of his said British application disclosing the invention in issue was prepared and was thereafter, on July 28, 1936, sent to Great Britain, and that it was received in the British Patent Office on August 4, 1936. It further appears from said stipulated testimony that appellee presented no testimony of activities by him or in his behalf between August 4, 1936, and the date of filing his application here in interference on December 19, 1936.

It is unnecessary to state in further detail the stipulated evidence for if appellee's application here in interference had been filed in the United States on August 4, 1936 (the date of his British application), the activities in behalf of appellee in preparing the application would have constituted diligence entitling him to an award of priority.

Therefore, the only questions before us are:

1. Is appellee entitled to the date of August 4, 1936, the date of his British application, for constructive reduction to practice of the invention?

2. Was appellee diligent in reducing the invention to practice?

The determination of the first question rests in the construction of section 4887, supra, which read, when appellee's applications were filed, as follows:

No person otherwise entitled thereto shall be debarred from receiving a patent for his invention or discovery, nor shall any patent be declared invalid by reason of its having been first patented or caused to be patented by the inventor or his legal representatives or assigns in a foreign country, unless the application for said foreign patent was filed more than twelve months, in cases within the provisions of section forty-eight hundred and eighty-six of the Revised Statutes, and six months in cases of designs, prior to the filing of the application in this country, in which case no patent shall be granted in this country.

An application for patent for an invention or discovery or for a design filed in this country by any person who has previously regularly filed an application for a patent for the same invention, discovery, or design in a foreign country which, by treaty, convention, or law, affords similar privilege to citizens of the United States *shall have the same force and effect as the same application would have if filed in this country on the date on which the application for patent for the same invention, discovery, or design was first filed in such foreign country*, provided the application in this country is filed within twelve months in cases within the provisions of section forty-eight hundred and eighty-six of the Revised Statutes, and within six months in cases of designs, from the earliest date on which any such foreign application was filed. But no patent shall be granted on an application for patent for an invention or discovery or a design which had been patented or described in a printed publication in this or any foreign country more than two years before the date of the actual filing of the application in this country, or which had been in public use or on sale in this country for more than two years prior to such filing. [Italics ours.]

By the act approved August 5, 1939, said section 4887 was amended in certain respects not material to this controversy.

Both Germany and Great Britain were countries embraced within the provisions of said section.

It is so well settled as to require no citation of authority that the filing in the United States of an application for a patent for an invention is a constructive reduction to practice of the invention, and that diligence by the applicant in preparing the application entitles him, in an interference proceeding, to an award of priority if he is the first to conceive the invention, even though his opponent has reduced the invention to practice prior to the applicant's constructive reduction to practice.

[1][2][3][4] It is appellant's contention, however, that in the case of an application filed in a foreign country there is no constructive reduction to practice. Speaking of the term "constructive reduction to practice," appellant's brief states:

Appellant believes that this language was chosen without regard to a situation like that here submitted for your esteemed consideration. We think "constructive reduction to practice" as applied to a convention date in a foreign country has been used synonymously with *effective date of invention* and, in the usual case, has served well enough for that purpose. Here, however, in order that real and not fancied law may prevail, we must restrict a convention date to that which, in law, it really is; namely, an effective date of invention obtained by operation of a particular statute (section 4887), standing of itself apart, and existing solely by virtue of special international agreements.

We can, if we wish, and our Government has done so, say that one who files in this country an application for patent for his invention within twelve months of his filing date in a foreign country shall have the benefit of his foreign filing date as his effective date of invention and we may choose "same force and effect" or other language which we think suitable to effectuate this purpose. We can hardly say, because it simply is not true in any normal meaning of language, that one who files an application abroad has, by such act, reduced an invention to practice in the United States. Certainly there is no statute of this country which makes any such anomalous statement.

It will be observed that appellant distinguishes the terms "constructive reduction to practice" and "effective date of invention." He argues that while the date of the filing of an application in a foreign country a party to the international convention is by virtue of section 4887 the effective date of the invention described in the application, it is not to be regarded as a constructive reduction to practice of the invention, although he admits that this and all other courts having jurisdiction over patent controversies, and the Patent Office have so considered it.

If appellee's British application had been filed in the United States on August 4, 1936, it is too clear for argument that it would have been a constructive reduction to practice of the invention.

Section 4887 clearly provides that where an application is filed in the United States within the prescribed period after a like application has been filed in a foreign convention country, such domestic application shall have the "same force and effect" as the same would have had if it had been filed in this country on the date that it was filed in the foreign country.

The language of the statute is clear and unambiguous. If appellee's application here involved had been filed in the United States on August 4, 1936, of course it would have been a constructive reduction to practice of the invention, regardless of section 4887, and appellee's diligence in preparing the application would have entitled him to an award of priority.

By the express terms of section 4887, appellee's application here involved shall "have the same force and effect" as the same application would have if filed in the United States on August 4, 1936, that being the filing date of his foreign application.

Congress thus having provided that where an application is duly filed in a country coming within the provisions of section 4887, an application for the same invention filed in the United States within twelve months from the date of the foreign application shall have the same force and effect as if filed in the United States upon the date of the foreign application, it clearly must be governed by the same rules as are applied to applications originally filed in this country and the doctrine of constructive reduction to practice, and the rule of diligence in the United States in preparing the application for filing, clearly are applicable in the consideration of such application. To hold otherwise would plainly violate the provisions of section 4887.

Applying the foregoing to the case at bar, appellee's application must be considered in the same manner and to the same extent as if it had been filed in the United States on August 4, 1936.

This conclusion is in accord with the decision in the case of *Kisovitz* v. *Rosenberg*, 50 App. D. C. 214, 284 O. G. 961 (cited in the decision of the Board of Interference Examiners in the instant case), from which we quote:

Appellee's British application, filed February 9, 1916, and his United States application, filed January 16, 1917, fell within the limitations of section 4887, Rev. Stats. (Comp. St. § 9431). This gives the United States application the same force and effect as it would have if it had been filed on the date the British application was filed. Inasmuch as the preliminary steps leading up to the filing of the British application were found by the tribunals below to have occurred at a time prior to any date to which appellant can lay claim, and we concur in this finding, appellee must prevail.

The Board of Interference Examiners also cited our decision in the case of *Wilson et al.* v. *Sherts et al.*, 23 C. C. P. A. (Patents) 914, 81 F.(2d) 755, 467 O. G. 724, in which we said:

The right of a party to have the benefit of the filing date of a foreign application for a patent as a constructive reduction to practice is purely statutory. Without the benefit of said section 4887, R. S., appellants would not be entitled to consideration of their British provisional application at all. It seems to us that the right of the appellants to the benefit of their activities abroad must be found within the four corners of this statute, and the only right thus granted is the benefit of the filing date of the foreign application. It is our opinion that activities abroad, either in actual or constructive reduction to practice of an invention, unaccompanied by any activities in the United States, may not be considered in establishing diligence in reducing an invention to practice, and we so hold. To paraphrase what was said in the case of *Rebuffat* v. *Crawford*, supra, Wilson and Dick cannot obtain any benefit in this interference for any work they did abroad under the issue in this proceeding. The evidence clearly establishes that there were no activities by them in the United States toward reducing their invention to practice during the critical period. Had there been such activities in the United States, we express no opinion as to whether, under such circumstances, the activities of appellants abroad could be considered on the question of whether they had shown the necessary diligence.

Appellant's construction of the quoted language is erroneous in assuming that we stated that if all of the activities had occurred in the United States, we expressed no opinion as to whether such activities could be considered as establishing diligence in effecting a constructive reduction to practice of a foreign application. While we expressed no opinion upon the question here involved, it is clear from the above quoted language that the matter concerning which we expressed no opinion was whether activities in the United States could, in an interference proceeding, be coupled with activities abroad to establish diligence.

In the case at bar, all of the activities of appellee constituting diligence occurred in the United States.

[5] Appellant, in his brief, raises the question of public policy in permitting American inventors

to make applications abroad for patents for their inventions, delaying the filing of United States applications therefor, and still be protected in interference proceedings by being accorded their foreign dates for constructive reduction to practice. Appellant contends, in effect, that in the public interest such applicants should not be permitted in interference proceedings to receive awards of priority based upon diligence in the United States in preparing such applications.

The answer to this suggestion is that neither the Patent Office tribunals nor the courts may determine questions of public policy contrary to the expressed will of Congress. Congress has provided that where an application has been filed in a foreign country a later application for the same invention filed in this country within twelve months from the date of the foreign application shall have the same force and effect as if filed in this country on the date of the foreign application. If said provision is not in accord with a proper public policy for the United States, Congress alone has the power to modify the provision and this court can not, by judicial legislation, undertake to do so.

[6] Appellee, in his brief, discusses at some length the cases of *Electric Storage Battery Co.* v. *Shimadzu et al.*, 307 U. S. 5, 504 O. G. 4, and *In re McFarlane*, 29 C. C. P. A. (Patents) 810, 125 F.(2d) 169, 540 O. G. 237. However, as observed by appellant, these cases have no application to interference proceedings which are governed by sections 4887 and 4923 R. S., while the statute construed in said decisions was section 4886 R. S.

[7] From the foregoing, it is clear that appellee was chargeable with diligence from immediately prior to August 3, 1936, the date to which appellant is entitled for conception and reduction to practice, to August 4, 1936, the date to which appellee is entitled to constructive reduction to practice.

It is conceded that appellee is entitled to the date of July 24, 1936, for conception; thus only eleven days intervened between his conception and reduction to practice. This is not an unreasonable period of time for the preparation of the specification and drawings of an application for a patent. Moreover, it appears that during that period appellee's attorneys prepared the application and drawings for appellee's British application, which were no doubt of benefit in the preparation of the United States application.

In the case of *Jones* v. *Evans*, 18 C. C. P. A. (Patents) 866, 46 F.(2d) 197, 405 O. G. 841, we said:

> Each case where diligence is involved, rests and must be decided upon its own facts, and all the surrounding circumstances must be viewed and considered in determining whether there was sufficient diligence.

We, therefore, conclude that appellee was not lacking in diligence in reducing the invention to practice.

For the reasons herein stated, the decision of the Board of Interference Examiners is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE HAMILTON

No. 4,867. Decided May 22, 1944

[143 F.(2d) 364]

PATENTABILITY—GRINDING AND POLISHING APPARATUS. Claims to grinding and polishing apparatus *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Mr. Archworth Martin for Hamilton.

Mr. W. W. Cochran (*Mr. E. L. Reynolds* of counsel) for the Commissioner of Patents.

JACKSON, *J.*:

Appellant filed an application in the United States Patent Office for a patent alleging "a new and useful improvement in Grinding and Polishing Apparatus." All of the claims, 12 to 16, inclusive, were rejected by the Primary Examiner as unpatentable over the prior art, and upon appeal the Board of Appeals affirmed the Examiner's decision. Appellant then appealed here.

Claim 12 is illustrative of the subject matter involved and reads as follows:

> 12. Surfacing apparatus comprising a shaft, a hub mounted on the shaft, a pneumatic drum of cylindrical shape fitting around the hub and having radially-spaced coaxial walls and end walls, that form an annular air chamber, the annulus and the end walls of the drum being resilient, surfacing material on the periphery of the drum, end plates connected to the hub in position to normally be engaged by the end walls of the air chamber, whereby the end walls are supported against axially-outward deflections under axial thrusts, but may flex inwardly toward the mid portion of the drum, and means for maintaining air pressure in the said chamber to hold the drum tightly against the hub and to resist grinding pressure, the drum being of substantially greater diameter than the end plates.

The references cited by the Examiner are: Webster, 493,002, March 7, 1893; Knill, 683,122, September 24, 1901; Herder, 1,444,314, February 6, 1923; Reed, 2,017,163, October 15, 1935; Hamilton, 2,113,836, April 12, 1938; Mall, 2,116,272, May 3, 1938.

In addition to the art cited by the Examiner the Board of Appeals relied upon the patent to Fleming, 2,215,692, September 24, 1940. Appellant has not questioned the propriety of the reference by the Board to the Fleming patent.

The application relates to the art of surfacing by abrasion and polishing, particularly to the employment of work-engaging rollers having abrasive and buffing surfaces. Appellant discloses an apparatus comprising two rolls between which sheet material passes for the purpose of having its surfaces smoothed or polished. Each roll is mounted on a shaft surrounded by a hub with radially extending flanges at its ends. An inflatable member, preferably of rubber, surrounds the hub between the flanges, and is kept under constant air pressure supplied through a passage in the shaft and a tube extending radially therefrom to the end of said member, the outer wall of which may taper in thickness from the middle to the ends, and the outer surface of which is coated with abrasive material.

The Examiner rejected claims 12, 13, 15 and 16 as being fully met by the patent to Hamilton and further rejected them as defining nothing patentable over the Mall or Knill references in view of the same patent. Claim 14 was rejected as not being patentable over the patent to Hamilton in view of any one of the patents to Reed, Herder or Webster. The Knill, Herder, Reed and Mall patents are cumulative and need not be considered in detail.

The patent to Hamilton relates to polishing apparatus said to be particularly adaptable for the polishing of articles having irregular curves and thicknesses, and discloses a device comprising two rolls each of which may include a hub portion surrounded by a pneumatic element having its outer surface coated with abrasive material. The ends of the hubs are provided with end flanges against which the pneumatic members abut, and said members have inlet valves to provide a desired quantity of air. The appellant here is the patentee of that patent.

The Webster patent relates to a rotary buffing or polishing wheel, particularly adapted for burnishing or polishing heels and other parts of boots and shoes. It discloses a pneumatic tire-shaped buffer the interior of which is supplied with air through a passage in the shaft upon which it is mounted. A constant air pressure is provided in the buffing wheel by the shaft driving means.

The Fleming patent relates to a finishing and polishing apparatus for surface treating of articles or stock being prepared for the application of surface coating material. It discloses a pneumatic surfacing element having its outer wall tapered from the middle to the ends thereof.

In our opinion claim 12 is readable on the device of the Hamilton patent, which discloses every limitation of that claim. It is true that in one of the figures of the patent the drum is not mounted on a hub but directly on the shaft. However, another of the figures clearly discloses a hub with end flanges which could only be used in the device by passing a shaft through the hub.

Appellant contends the patent does not state that the hub flanges restrain the outward axial movement of the end walls of the drum as recited in the claim. However, when the drum member of the patent is inflated the flanges would inherently restrain outward axial movement of the end walls of the drum, at least insofar as they extend along the walls. The flanges of the patent do not cover the end walls of the pneumatic member of the patent device to the same extent as the corresponding member of the device of the application, but we do not think it would involve invention to broaden the flanges of the patent device if further end wall restraint of the pneumatic member were desired.

Claim 13 contains the added limitation that the outer wall of the drum tapers "from greater thickness near its medial transverse plane to lesser thickness at its ends." The device of the Hamilton patent contains in the pneumatic member ribs the contour of which tapers from the middle to the ends of said member, and the disclosure of the Fleming patent shows it to be old in the art to taper the wall uniformly from its middle to its ends.

Claims 15 and 16 in addition broadly define means for the constant maintenance of a supply of air in the inflatable member. The air inlet valve in the device of the Hamilton patent meets such broad limitation.

Claim 14 recites a specific means for supplying air pressure

> "comprising a pressure supply conduit rotatable with the shaft while connected with a source of pressure and detachably connected to the air chamber, through an end wall of the drum."

Such air pressure supply means is shown to be old in the device of the Webster patent and could if so desired be readily substituted for the air supply means of the device of the Hamilton patent.

In our opinion it would not require more than the skill of the ordinary mechanic to construct the device of appellant in view of the prior art.

The decision of the Board of Appeals is affirmed.

Affirmed.

GARRETT, *P. J.*, took no part in the consideration or decision of this case. LENROOT, *J.*, sat during the argument but resigned before the opinion was prepared.

Changes in Classification

Order No. 3,857, September 27, 1944, directs:

The following changes in the classification of inventions are hereby directed to take place immediately:

IN THE MANUAL OF CLASSIFICATION:

ABOLISH SUBCLASS

In *class 29, Metal Working* (Division 14):

Metal stock and blanks

187 Tube and plate, interlocked joint (Division 14)

CHANGE SUBCLASS TITLE

In *class 140, Wireworking* (Division 14), subclass 81 should read: *Garment fastener type.*

ESTABLISH SUBCLASSES

In *class 140, Wireworking* (Division 14):

Article making and forming

Hooks

81.5 Garment hanger type

In *class 280, Land Vehicles* (Division 47):

Wheeled

Running gear

Equalized frame

104.5 Tandem axles

MISCELLANEOUS CHANGES

In *class 29, Metal Working* (Divisions 13, 14, 29), in subclass 157.4, change "heaters" to *headers*, and in subclass 226, move the title one step of indentation to the right so that it is coordinate with subclass 227.

PRINCIPAL DISPOSITION OF ART FROM ABOLISHED SUBCLASSES

Abolished		Disposition	
Class	Subclass	Class	Subclass
29	187	29	156
		138	74
		189	36

PRINCIPAL SOURCES OF PATENTS IN ESTABLISHED SUBCLASSES

Established		Sources	
Class	Subclass	Class	Subclass
140 280	81.5 104.5	140 280	71 104, 124

IN THE DEFINITIONS:

2, Apparel (Division 24)

in subclass 94, correct the spelling of *ammunition*.

29, Metal Working (Divisions 13, 14, 29)

abolish the definition of subclass 187.

113, Sheet-Metal Ware-Making (Division 14)

in subclass 9, in the definition, cancel "locked and"; and in subclass 10, cancel "locks the side seam," and change "same" to *side seam*.

140, Wireworking (Division 14)

establish the following subclass definition:

81.5. Subject matter under subclass 80 where the article made is a hanger for a coat or other garment.

(1) Note.—The hanger usually consists of a generally triangular wire frame having a hook formed at the apex thereof.

Search this class, subclass—
83—for the making of wire clothespins.

Search Class—
223—APPAREL APPARATUS, subclasses 85+, for the article.

220, Metallic Receptacles (Division 40)

in subclass 86, cancel all existing notes and substitute:

Search Class—
73—MEASURING AND TESTING, subclasses 306+, for float gauge structures combined with filling devices.
136—BATTERIES, subclasses 162 and 178.
210—LIQUID SEPARATION OR PURIFICATION, particularly subclasses 154 and 155+, for strainers.
222—DISPENSING, subclasses 478+, for dispensers having, in addition to a dispensing outlet (as a nozzle, valved outlet, etc.), an additional opening which may be a filling opening.
226—FILLING AND CLOSING PORTABLE RECEPTACLES; subclasses 29+, for funnels per se.

223, Apparel Apparatus (Division 24)

in subclass 85, add the following:

(4) Note.—For processes and apparatus for forming wire garment hangers, see class 140, WIREWORKING, subclass 81.5.

267, Spring Devices (Division 45)

in subclass 11, in the note, change "subclass 104" to *subclasses 104+*.

280, Land Vehicles (Division 47)

in subclass 104, under (1) Note, after "111," insert *124*,;

establish the following subclass definition:

104.5. Land vehicles under subclass 104 in which the axles, between which the weight or load is equalized, include two or more axles so located at one end of the frame of the vehicle that additional means are required for supporting the other end of the frame.;

and in subclass 124, after "Search this class, subclasses" insert *104+*.

TRADE-MARKS

OFFICIAL GAZETTE, NOVEMBER 7, 1944

[VOL. 568. No. 1]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 462,602. HENRY G. SCHLESINGER, New York, N. Y. Filed Aug. 7, 1943. Under the act of February 20, 1905, as amended June 10, 1938.



Applicant is the owner of Reg. No. 165,304.
FOR FUR SKINS (RAW, DRESSED, AND/OR DYED AND/OR BLENDED).
Claims use since March 1942.

Ser. No. 469,751. EDGEWOOD FARMS, INC., Ridgefield, N. J. Filed Apr. 28, 1944.

TURF TEX

No claim is made to the word "Turf" except as shown.
FOR GRASS SEEDS.
Claims use since March 1941.

Ser. No. 471,296. UNITED STATES RUBBER COMPANY, New York, N. Y. Filed June 15, 1944.

FLOTOFOAM

FOR FOAMED PLASTIC MATERIAL IN SHEET AND BLOCK FORM FOR USE IN THE MANUFACTURE OF VARIOUS ARTICLES OF MERCHANDISE.
Claims use since May 4, 1944.

Ser. No. 471,675. HARRY MORRIS ASSOCIATES, Chicago, Ill. Filed June 26, 1944.

Household Jewels

Applicant disclaims the word "Household" except as shown.
FOR CASTINGS OR UNFINISHED PARTS MADE OF COMPOSITION MATERIALS TO BE MACHINED AND ASSEMBLED FOR COMPACTS, CIGARETTE CASES, MATCH BOXES, HAND BAG FRAMES, AND PURSES.
Claims use since January 1943.

Ser. No. 473,106. MONSANTO CHEMICAL COMPANY, St. Louis, Mo. Filed Aug. 9, 1944.

RESLOOM

Applicant is the owner of Regs. Nos. 405,576 and 405,588.
FOR SYNTHETIC RESINS IN SOLUTION FORM.
Claims use since July 24, 1944.

Ser. No. 473,850. FUNK BROS. SEED CO., INCORPORATED, Bloomington, Ill. Filed Sept. 2, 1944.



Applicant is the owner of Regs. Nos. 355,783; 357,522; 375,081; and 386,203.
FOR SEED CORN.
Claims use since July 14, 1939.

CLASS 2

RECEPTACLES

Ser. No. 467,730. RAYMOND MARKS, New York, N. Y. Filed Feb. 24, 1944.

PLASTEEL

FOR TUMBLERS, SOAP DISHES, SOAP BOXES, CASTOR CUPS, CUPS, SAUCERS, COASTERS, BOWLS, TRAYS, PLATES, DISHES, AND SUGAR AND CREAM SETS; HOLDERS FOR TUMBLERS AND TOOTH BRUSHES, HOLDERS FOR SOAP, TOOTH BRUSH BOXES, HOSIERY BOXES, EGG CUPS, FLOWER POTS AND VASES, ALL MADE OF PLASTICS MOLDED FROM POWDERED RESINS.
Claims use since Nov. 1, 1939.

Ser. No. 467,930. PROTEX PRODUCTS COMPANY, Jersey City, N. J. Filed Mar. 2, 1944.

Protelon

FOR FOOD STORAGE BAGS.
Claims use since Jan. 1, 1944.

Ser. No. 471,444. CRAWFORD-AUSTIN MANUFACTURING CO., Waco, Tex. Filed June 20, 1944.

DUX-BAK



FOR ICE DELIVERY BAGS.
Claims use since 1929.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 471,286. THE SERVICE BOOT & LEGGING CO., INC., New York, N. Y. Filed June 15, 1944.



No claim is made to the words "The Soul of Shell Cordovan" and "Service" apart from the mark shown.
FOR WALLETS.
Claims use since Mar. 14, 1944.

Ser. No. 472,294. H. PERKINS & SONS (CANADA) LIMITED, Montreal, Quebec, Canada. Filed July 15, 1944.

Perkins

The mark is in the facsimile handwriting of the late Henry Charles Perkins, formerly president of Henry Perkins & Sons.
FOR BILLFOLDS, PURSES, AND WALLETS.
Claims use since February 1942.

Ser. No. 473,193. H. PERKINS & SONS (CANADA) LIMITED, Montreal, Quebec, Canada. Filed Aug. 11, 1944.

CASHETTE

FOR BILLFOLDS.
Claims use since Feb. 4, 1942.

Ser. No. 473,369. GEMSCO, INC., New York, N. Y. Filed Aug. 17, 1944.

THE LIBERATOR

FOR FOLDERS AND PORTFOLIOS MADE OF LEATHER OR IMITATION LEATHER FOR HOLDING HONORABLE DISCHARGE CERTIFICATES, CITATIONS, MEDALS, ETC., OF MEMBERS OF THE ARMED FORCES.
Claims use since Mar. 5, 1944.

Ser. No. 473,503. NATHAN GROSS, doing business as Strathmore Leather Goods Co., New York, N. Y. Filed Aug. 22, 1944.

Strathmore

FOR MEN'S AND LADIES' WALLETS MADE OF LEATHER.
Claims use since May 5, 1944.

Ser. No. 473,835. PYRAMID LEATHER GOODS CO., New York, N. Y. Filed Sept. 1, 1944.

TEEN TOWN

FOR LADIES', MISSES', AND CHILDREN'S HANDBAGS OF LEATHER, FABRIC, LEATHERETTE, PLASTIC MATERIAL, AND COMBINATIONS THEREOF.
Claims use since July 26, 1943.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 462,610. ATLAS CHEMICAL COMPANY OF TEXAS, Houston, Tex. Filed Aug. 9, 1943.



FOR DETERGENT CLEANING COMPOUND AND INDUSTRIAL CLEANING COMPOUNDS.
Claims use since Jan. 3, 1943.

Ser. No. 463,403. JOHN C. STALFORT & SONS, INC., Baltimore, Md. Filed Sept. 14, 1943.

DUCKEY

FOR SILVER POLISH, WINDOW, GLASS, PORCELAIN, TILE, FURNITURE, WOOD, WALL, RUG, UPHOLSTERY, WOOLEN AND OTHER FABRIC, AND AUTOMOBILE WASHING AND CLEANING PREPARATIONS IN LIQUID, SOLID, AND PASTE FORM.
Claims use since July 15, 1943.

Ser. No. 463,405. JOHN C. STALFORT & SONS, INC., Baltimore, Md. Filed Sept. 14, 1943.

SHOWEY

FOR SILVER POLISH, WINDOW, GLASS, PORCELAIN, TILE, FURNITURE, WOOD, WALL, RUG, UPHOLSTERY, WOOLEN AND OTHER FABRIC, AND AUTOMOBILE WASHING AND CLEANING PREPARATIONS IN LIQUID, SOLID, AND PASTE FORM.
Claims use since July 15, 1943.

Ser. No. 463,407. JOHN C. STALFORT & SONS, INC., Baltimore, Md. Filed Sept. 14, 1943.

STA-ALL

FOR SILVER POLISH, WINDOW, GLASS, PORCELAIN, TILE, FURNITURE, WOOD, WALL, RUG, UPHOLSTERY, WOOLEN AND OTHER FABRIC, AND AUTOMOBILE WASHING AND CLEANING PREPARATIONS IN LIQUID, SOLID, AND PASTE FORM.
Claims use since July 15, 1943.

Ser. No. 463,609. JOHN C. STALFORT & SONS, INC., Baltimore, Md. Filed Sept. 23, 1943.

THAT

FOR SILVER POLISH, WINDOW, GLASS, PORCELAIN, TILE, FURNITURE, WOOD, WALL, RUG, UPHOLSTERY, WOOLEN AND OTHER FABRIC, AND AUTOMOBILE WASHING AND CLEANING PREPARATIONS IN LIQUID, SOLID, AND PASTE FORM.
Claims use since July 15, 1943.

Ser. No. 471,971. S. S. BURRIS, doing business as Chemical Solvent Company, Dallas, Tex. Filed July 7, 1944.

ALCODINE

FOR GENERAL ALL PURPOSE CLEANING COMPOUND.
Claims use since Feb. 15, 1943.

Ser. No. 472,639. HALL & RUCKEL, INC., New York, N. Y. Filed July 26, 1944. Under section 5b of the act of 1905 as amended in 1920.

X-BAZIN

FOR BRUSHLESS SHAVE CREAM.
Claims use since Apr. 14, 1943.

Ser. No. 473,400. U. S. SANITARY SPECIALTIES CORPORATION, Chicago, Ill. Filed Aug. 17, 1944.

Sarene

FOR LATHER OIL HAND CLEANER.
Claims use since May 19, 1944.

CLASS 5

ADHESIVES

Ser. No. 472,946. OLIVER C. ECKEL, doing business as Stic-Klip Mfg. Company, Cambridge, Mass. Filed Aug. 4, 1944.

STIC-KLIP

FOR ADHESIVE CEMENT.
Claims use since Jan. 10, 1943.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 460,645. F. R. BEASON, doing business as The Owl Drug Company, Decatur, Ala. Filed May 15, 1943.

PI-NO-SEPTIC

FOR MEDICINAL PREPARATION FOR EXTERNAL USE — NAMELY, SUPERFICIAL BURNS, SCALDS, CUTS, BRUISES, INSECT BITES, ULCERATED SORES.
Claims use since Jan. 1, 1929.

Ser. No. 467,074. SALVATORE REINA, doing business as Salva-Gene Chemical Laboratory, San Francisco, Calif. Filed Feb. 1, 1944.

VITA-SANA
TRADE MARK

The words "Trade Mark" are disclaimed.
FOR VITAMIN PREPARATIONS.
Claims use since Nov. 1, 1943.

Ser. No. 467,235. THE FIDELITY MEDICAL SUPPLY COMPANY, Dayton, Ohio. Filed Feb. 7, 1944.

STERICIDE

FOR DISINFECTING SOLUTION FOR DENTAL AND SURGICAL INSTRUMENTS.
Claims use since Dec. 1, 1941.

Ser. No. 467,837. AMERICAN ANILINE PRODUCTS, INC., New York, N. Y. Filed Feb. 29, 1944.

VIS-COT

FOR FINISHING COMPOUND FOR TEXTILES.
Claims use since Jan. 27, 1944.

Ser. No. 469,627. EMDEE LABORATORIES, INC., New York, N. Y. Filed Apr. 25, 1944.

Plantols

FOR MULTIPLE VITAMINS IN DOSAGE FORM.
Claims use since Apr. 11, 1944.

Ser. No. 469,753. EMDEE LABORATORIES, INC., New York, N. Y. Filed Apr. 28, 1944.

Vio-Vins

FOR MULTIPLE VITAMINS WITH IRON AND LIVER CONCENTRATE IN DOSAGE FORM.
Claims use since Mar. 21, 1944.

Ser. No. 471,338. "42" PRODUCTS, LTD., doing business as Windsor House, Ltd., Los Angeles, Calif. Filed June 17, 1944.

Castle Eire

No claim is made to the word "Eire" apart from the mark.
FOR COLOGNE.
Claims use since Sept. 1, 1942.

Ser. No. 471,702. THE DURLIN CORPORATION, New York, N. Y. Filed June 27, 1944.

DURLIN

FOR NAIL ENAMEL.
Claims use since July 1, 1938.

Ser. No. 472,044. DAVIS & JOHNSON, Van Nuys, Calif. Filed July 10, 1944.

Vita-Factors

The word "Factors" is disclaimed apart from the mark.
FOR VITAMIN, MINERAL, CALCIUM AND PHOSPHORUS COMPOUND FOOD CONCENTRATE, USED AS A FOOD SUPPLEMENT.
Claims use since Jan. 1, 1943.

Ser. No. 472,456. GUERLAIN PERFUMERY CORPORATION OF DELAWARE, Wilmington, Del., and New York, N. Y. Filed July 21, 1944.

L'HEURE BLEUE

FOR PERFUMES, TOILET WATER, COLOGNE, FACE POWDER, TALCUM POWDER, DUSTING POWDER, LIPSTICKS, ROUGE, SKIN LOTIONS, TOILET CREAMS AND BRILLIANTINE.
Claims use since 1913.

Ser. No. 472,503. CALIFORNIA SPRAY-CHEMICAL CORPORATION, Wilmington, Del., and Richmond, Calif. Filed July 22, 1944.

PERSISTICIDE

FOR SPREADERS, WETTING AGENTS, AND PARASITICIDES—NAMELY, INSECTICIDES, FUNGICIDES, AND GERMICIDES.
Claims use since June 30, 1944.

Ser. No. 472,504. CALIFORNIA SPRAY-CHEMICAL CORPORATION, Wilmington, Del., and Richmond, Calif. Filed July 22, 1944.

PERSISTO

FOR SPREADERS, WETTING AGENTS, AND PARASITICIDES—NAMELY, INSECTICIDES, FUNGICIDES, AND GERMICIDES.
Claims use since June 30, 1944.

Ser. No. 472,505. CALIFORNIA SPRAY-CHEMICAL CORPORATION, Wilmington, Del., and Richmond, Calif. Filed July 22, 1944.

PERSISTOL

FOR SPREADERS, WETTING AGENTS, AND PARASITICIDES—NAMELY, INSECTICIDES, FUNGICIDES, AND GERMICIDES.
Claims use since June 30, 1944.

Ser. No. 472,564. HOUSEHOLD PRODUCTS INCORPORATED, Stamford, Conn. Filed July 24, 1944.

HAV-A-GANE

FOR SHAMPOOS.
Claims use since June 30, 1944.

Ser. No. 472,621. CORINTHIA, INC., New York, N. Y. Filed July 25, 1944.

corinthia

FOR LIPSTICK.
Claims use since June 29, 1943.

Ser. No. 472,653. L. SONNEBORN SONS, INC., New York, N. Y. Filed July 26, 1944.

RAYOLENE

FOR FINISHING OIL COMPOSITIONS FOR RAYON YARN AND THREAD.
Claims use since Mar. 10, 1925.

Ser. No. 472,654. L. SONNEBORN SONS, INC., New York, N. Y. Filed July 26, 1944.

RAYTHRO

FOR FINISHING OIL COMPOSITIONS FOR RAYON YARN AND FABRIC.
Claims use since June 15, 1936.

Ser. No. 472,766. THE L. D. CAULK COMPANY, Milford, Del. Filed July 31, 1944.

REPELAC

FOR PREPARATION FOR APPLICATION TO DENTAL CAVITIES TO PROTECT SAME AGAINST MOISTURE AND ACID, FOR APPLICATION TO THE GUMS TO EXCLUDE MOISTURE AND SALIVA SEEPAGE DURING DENTAL OPERATIONS, AND FOR APPLICATION TO DENTAL INSTRUMENTS TO PROTECT SAME AGAINST RUST.
Claims use since July 17, 1923.

Ser. No. 472,776. HOFFMANN-LA ROCHE, INC., Nutley, N. J. Filed July 31, 1944.

BEPANTHENE

FOR VITAMIN PREPARATIONS.
Claims use since July 10, 1944.

Ser. No. 472,889. THE DAVISON CHEMICAL CORPORATION, Baltimore, Md. Filed Aug. 3, 1944.

TEL-TALE

FOR SILICA GEL.
Claims use since Jan. 14, 1943.

Ser. No. 473,179. COTY, INC., New York, N. Y. Filed Aug. 11, 1944.

INDISPENSABLE

FOR FACE POWDER, DUSTING POWDER, TOILET WATER, PERFUME, SUNTAN OIL, SKIN AND HAIR LOTIONS, BRILLIANTINE, ROUGE COMPACTS, POWDER COMPACTS, LIPSTICKS, SACHET POWDERS, FACE CREAMS, BATH SALTS, TALCUM POWDERS, AND ROUGES.
Claims use since Aug. 4, 1944.

Ser. No. 473,355. THE J. R. WATKINS COMPANY, Winona, Minn. Filed Aug. 16, 1944.

CONCERTO

FOR COLOGNE AND PERFUME.
Claims use since July 1, 1944.

Ser. No. 473,450. IMPRESSION PRODUCTS, Chicago, Ill. Filed Aug. 19, 1944.

IMPRESSION

FOR ROUGE, LIPSTICK, FACE POWDER, MASCARA FOR THE EYELASHES AND EYEBROWS, PERFUMES, COLOGNES, TOILET WATERS, HAIR COLOR RESTORATIVES, HAND LOTION, FACIAL MAKE-UP AND FINGER NAIL POLISH.
Claims use since May 12, 1940.

CLASS 7

CORDAGE

Ser. No. 465,531. THE DUPLAN CORPORATION, New York, N. Y. Filed Dec. 6, 1943.

ETNATEX

FOR CORDS MADE PARTLY OR TOTALLY OF FIREPROOF MATERIAL SUCH AS GLASS FIBRES AND WHICH ARE USED TO JOIN PARTS OF MACHINERY SUCH AS AEROPLANES OR USED IN ANY PLACE WHERE ORDINARY CORDS MIGHT BE IGNITED BY SPARKS.
Claims use since May 24, 1943.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 464,043. HARBOR PLYWOOD CORPORATION, Hoquiam, Wash. Filed Oct. 11, 1943.

SUPER-Harborite

FOR PLYWOOD.
Claims use since June 10, 1943.

Ser. No. 465,219. CHARLES B. WEEDON, Detroit, Mich. Filed Nov. 22, 1943.

SEASON-SEAL

Applicant disclaims the word "Seal" apart from the mark.

FOR COMBINATION SASH AND SCREEN WINDOWS.

Claims use since Sept. 1, 1942.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 462,588. THE MINE AND SMELTER SUPPLY COMPANY, Denver, Colo. Filed Aug. 7, 1943.

MASSCO

FOR HOSE PINCH VALVES AND PARTS THEREFOR.

Claims use since Oct. 28, 1939.

Ser. No. 471,706. LINOLITE LIMITED, Burnivale, Malmesbury, Wiltshire, England. Filed June 27, 1944.

LINOLITE

FOR METAL HOSE AND PIPE FITTINGS.

Claims use since 1926.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 470,861. NATIONAL METAL SPECIALTIES CO., Springfield, Mass. Filed June 2, 1944.



No claim is made to the word "Metal" apart from the mark.

FOR METAL STAMPINGS OF SHEET SEMI-FABRICATED METAL IN THE FORM OF METAL PARTS FOR ARTICLES OF COMMERCE.

Claims use since May 6, 1944.

CLASS 15

OILS AND GREASES

Ser. No. 464,908. THE ATLANTIC REFINING COMPANY, Philadelphia, Pa. Filed Nov. 11, 1943.



The drawing is lined for shading. The term "The Atlantic Refining Company" is disclaimed apart from the mark.

FOR MINERAL WHITE OILS, LUBRICATING OILS AND GREASES, FUEL OILS, ILLUMINATING OILS, PARAFFIN WAX, AND GASOLINE.

Claims use since Sept. 1, 1931.

Ser. No. 464,909. THE ATLANTIC REFINING COMPANY, Philadelphia, Pa. Filed Nov. 11, 1943.



The drawing is lined for shading.

FOR MINERAL WHITE OILS, LUBRICATING OILS AND GREASES, FUEL OILS, ILLUMINATING OILS, PARAFFIN WAX, AND GASOLINE.

Claims use since Sept. 1, 1931.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 463,404. JOHN C. STALFORT & SONS, INC., Baltimore, Md. Filed Sept. 14, 1943.

DUCKEY

FOR POLISHING WAX IN LIQUID, SOLID, AND PASTE FORM FOR FLOORS, AUTOMOBILES, FURNITURE, AND WOODWORK.

Claims use since July 15, 1943.

Ser. No. 463,406. JOHN C. STALFORT & SONS, INC., Baltimore, Md. Filed Sept. 14, 1943.

SHOWEY

FOR POLISHING WAX IN LIQUID, SOLID, AND PASTE FORM FOR FLOORS, AUTOMOBILES, FURNITURE, AND WOODWORK.

Claims use since July 15, 1943.

Ser. No. 463,408. JOHN C. STALFORT & SONS, INC., Baltimore, Md. Filed Sept. 14, 1943.

STA-ALL

FOR POLISHING WAX IN LIQUID, SOLID, AND PASTE FORM FOR FLOORS, AUTOMOBILES, FURNITURE, AND WOODWORK.

Claims use since July 15, 1943.

Ser. No. 463,610. JOHN C. STALFORT & SONS, INC., Baltimore, Md. Filed Sept. 23, 1943.

THAT

FOR POLISHING WAX IN LIQUID, SOLID, AND PASTE FORM FOR FLOORS, AUTOMOBILES, FURNITURE, AND WOODWORK.

Claims use since July 15, 1943.

Ser. No. 473,359. SALVATORE AMELLO, doing business as Kwik-Time Products Company, Corona, N. Y. Filed Aug. 17, 1944.

Kwik-Time

Applicant disclaims the word "Kwik" separately from the mark.

FOR FLOOR WAX.

Claims use since July 18, 1944.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 462,839. BENSON & HEDGES, New York, N. Y. Filed Aug. 19, 1943. Under 10-year proviso.



The colors claimed in the drawing are red, pink, yellow, and blue.

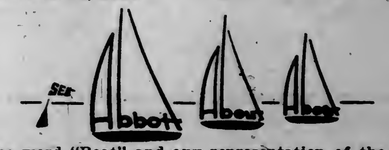
FOR CIGARS.

Claims use since 1864.

CLASS 19

VEHICLES

Ser. No. 467,585. DONALD B. ABBOTT, Mamaroneck, N. Y. Filed Feb. 21, 1944.



The word "Boat" and any representation of the goods are disclaimed apart from the mark.

FOR ROW BOATS, SAIL BOATS, AND MOTOR BOATS.

Claims use since Feb. 15, 1944.

Ser. No. 467,988. VIRGINIA-LINCOLN CORPORATION, Marion, Va. Filed Mar. 4, 1944.

Valinite

FOR AIRCRAFT STRUCTURAL PARTS COMPRISED OF THERMOPLASTIC AND ORGANIC CLOTH SOMETIMES COMBINED WITH CELLULAR ORGANIC MATERIAL.

Claims use since November 1942.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 463,360. SPOTSWOOD SPECIALTY CO. INC., Lexington, Ky. Filed Sept. 11, 1943.

Peep-O-Scope

The word "Peep" is disclaimed apart from the mark.

FOR CARDBOARD TOY PROVIDED WITH LIGHT PASSAGES AND SUPPORTING REFLECTING MIRRORS WHICH MAY BE REFERRED TO AS A TOY PERISCOPE.

Claims use since Aug. 9, 1943.

Ser. No. 471,319. VIRGILIO PALMONARI, doing business as Specialty Manufacturing Co., Chicago, Ill. Filed June 16, 1944.

AMERICAN RANGERS AUTOMATIC TRADE MARK

No claim is made to the words "American" and "Automatic" or "Trade Mark" apart from the mark.
FOR TOY GUNS AND TOY HOLSTERS.
Claims use since Sept. 15, 1943.

Ser. No. 472,273. CHILDHOOD INTERESTS, INC., Roselle, N. J. Filed July 15, 1944.

BANG-A-WAY

FOR EDUCATIONAL KINDERGARTEN DEVICES CONSISTING OF A STAND FITTED WITH RECIPROCATING SHAFTS AND MEANS TO RECIPROCATE THEM FOR THE PURPOSE OF ENCOURAGING THE CHILD TO SYNCHRONIZE HAND AND EYE.
Claims use since May 31, 1944.

Ser. No. 472,274. CHILDHOOD INTERESTS, INC., Roselle, N. J. Filed July 15, 1944.

PUSH- -AWAY

No claim is made to the words "The Right Toy at the Right Time" apart from the mark.
FOR PUSH TOYS TO ASSIST THE CHILD IN HIS EARLY WALKING DEVELOPMENT.
Claims use since June 18, 1941.

Ser. No. 472,364. HAZEL O'BRIEN, Stamford, Conn. Filed July 18, 1944.

CHUK-A-PUP

Applicant disclaims the word "Pup" apart from the mark.
FOR TOYS IN THE FORM OF STUFFED ANIMALS.
Claims use since June 28, 1944.

Ser. No. 472,405. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed July 19, 1944.

HAPPI-TIME

FOR EDUCATIONAL TOYS—NAMELY, SEWING KITS, WEAVING SETS, DOLL CUT-OUT SETS, BLOCK SETS, PEG SETS, PAINTING SETS, DRAWING SETS, DOCTOR AND NURSE KITS, CLAY MODELING SETS AND PRINTING AND STAMPING SETS; HOUSEKEEPING TOYS—NAMELY, KITCHEN CABINETS, WARDROBE CHESTS, TELEPHONE SETS, CLEANING SETS CONSISTING OF BROOM, MOP, DUSTPAN AND CARPET SWEEPER, LAUNDRY SETS, BAKING SETS, AND DINNERWARE SETS; WHEEL TOYS—NAMELY, SCOOTERS, HANDCARS, AND AUTOMOBILES; HOBBY TOYS—NAMELY, JIG SAW PUZZLES, PUZZLE APPARATUS AND PUZZLE GAMES, MAGIC OUTFITS, WOODBURNING SETS, ARCHERY SETS, DART SETS, POOL AND BILLIARD SETS; HEALTH TOYS AND EXERCISERS—NAMELY, RATTLES, BALLS, SHOO FLYS, HORSIE ROCKERS, HOBBY HORSES, BATS, BOXING GLOVES, FOOTBALLS AND BASKETBALL SETS; MILITARY TOYS—NAMELY, GUNS, AIRPORT SETS; SHOOTING TOYS—NAMELY, MACHINE GUNS, COWBOY SETS AND POP GUNS; FARM TOYS—NAMELY, IMPLEMENT SETS, FARM ANIMALS AND FARM BUILDINGS; DOLL BUGGIES, BEDS, CRADLES, FURNITURE SETS AND CHAIRS, DOLL HOUSES AND DOLL FURNITURE, MUSICAL TOYS, PLAY STORE KITS, DOLL CLOTHES, DOLL BEDDING, TOY TYPEWRITERS, TRAIN SETS, FLOOR AND PULL TOYS, TOY BOOKS AND SETS OF BOOKS.
Claims use since December 1942 on sets of books; and since December 1940 on all other items.

Ser. No. 472,843. ELISCU & COMPANY, New York, N. Y. Filed Aug. 2, 1944.

LITTLE MAJESTY TOYS



The word "Toys" is disclaimed apart from the association shown.
FOR TOY RATTLES AND BABY EXERCISERS.
Claims use since Feb. 11, 1944.

Ser. No. 473,461. TELE-TOY COMPANY, New York, N. Y. Filed Aug. 19, 1944.

TELE-TOY QUALITY

Applicant disclaims the words "Toy" and "Quality" apart from the mark.
FOR AIRPLANE TOYS.
Claims use since July 7, 1944.

Ser. No. 473,663. EXHIBIT SUPPLY COMPANY, Chicago, Ill. Filed Aug. 28, 1944.

PEP-O-METER

FOR COIN-CONTROLLED AMUSEMENT APPARATUS.
Claims use since Feb. 24, 1944.

Ser. No. 473,664. EXHIBIT SUPPLY COMPANY, Chicago, Ill. Filed Aug. 28, 1944.

TATTLE TALE WHEEL OF ROMANCE

No claim is made to the word "Wheel" apart from the mark.
FOR COIN-CONTROLLED AMUSEMENT APPARATUS.
Claims use since Feb. 24, 1944.

Ser. No. 474,061. SUNSET LINE & TWINE CO., San Francisco, Calif. Filed Sept. 9, 1944.



FOR FISHING LINES.
Claims use since September 1937.

Ser. No. 474,320. BRA-WIL-KEE, INC., Detroit, Mich. Filed Sept. 18, 1944.

Swampy

FOR TOY ANIMALS.
Claims use since Aug. 14, 1944.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 470,336. GUIBERSON DIESEL ENGINE COMPANY, Dallas, Tex. Filed May 17, 1944.

BETTER BE SAFE THAN SORRY GUIBERSON DIESEL ENGINE

No claim is made for the descriptive matter "Better Be Safe Than Sorry" and "Diesel Engine" apart from the association shown.
FOR DIESEL ENGINES AND PARTS THEREOF.
Claims use since Apr. 17, 1940.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 464,889. KREMENTZ & COMPANY, Newark, N. J. Filed Nov. 10, 1943.

NU-KAY

Applicant is the owner of Reg. No. 180,341.
FOR COLLAR BUTTONS, SHIRT STUDS, CUFF BUTTONS, VEST BUTTONS, COLLAR PINS, COLLAR HOLDERS, TIE HOLDERS, KNIVES, COAT BUTTONS, BELT BUCKLES, KEY CHAINS, NECK CHAINS, BROOCHES, BAR PINS, BRACELETS, EARRINGS, AND NECKLACES, AND WATCH BANDS, AND WATCH CHAINS, NOT INCLUDING WATCHES, MADE WHOLLY OR PARTLY OF PRECIOUS METALS.
Claims use since 1907.

Ser. No. 471,370. TAUNTON PEARL WORKS, Taunton, Mass. Filed June 17, 1944.

CLIPPER

FOR MEN'S JEWELRY FOR PERSONAL WEAR NOT INCLUDING WATCHES.
Claims use since May 11, 1944.

Ser. No. 471,814. RICHARD POLUMBAUM, doing business as Richard Polumbaum Company, New York, N. Y. Filed June 29, 1944.

ROOTED IN QUALITY
PALM
GROWING THROUGH SERVICE

The words "Rooted in Quality" and "Growing Through Service" are disclaimed apart from the mark.
FOR PINS, EARRINGS, PENDANTS, RINGS, LOCKETS, CROSSES, CLIPS, NOT INCLUDING WATCHES.
Claims use since November 1942.

Ser. No. 472,018. S AND S MANUFACTURING CO., Providence, R. I. Filed July 8, 1944.

WED-LUCK

FOR ARTICLES OF JEWELRY—NAMELY, RINGS, LOCKETS, BRACELETS NOT INCLUDING WATCHES, PENDANTS, BANDS, BROOCHES, NECKLACES, PINS, COMPACTS, CIGARETTE CASES, AND COSTUME JEWELRY, NOT INCLUDING WATCHES, ALL OF THE ARTICLES BEING MADE OF OR PLATED IN WHOLE OR IN PART WITH PRECIOUS METAL.
Claims use since Jan. 1, 1925.

Ser. No. 473,197. ROYAL CRAFTSMEN, New York, N. Y. Filed Aug. 11, 1944.

ROYAL CRAFTSMEN

FOR SIMULATED PEARLS MADE OF PLASTIC OR LIKE MATERIAL AND ORNAMENTS INCORPORATING THE SAME, NOT INCLUDING WATCHES.
Claims use since Mar. 24, 1944.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 470,437. CAMDEN FURNITURE COMPANY, Camden, Ark. Filed May 20, 1944.

PLASTIWEIGHT

FOR HOUSEHOLD FURNITURE MADE PARTIALLY OR WHOLLY OF PLASTICS—NAMELY, BEDS, DRESSERS, TABLES, DRESSING TABLES, VANITY TABLES, VANITIES, CHESTS OF DRAWERS, BENCHES, CHIFFOROBES, NIGHT STANDS, BUFFETS, CHAIRS, CORNER, BRACKET AND WALL SHELVES OF THE SUSPENSION TYPE, WALL BRACKETS, DESKS, CABINETS, CLOTHES AND CHINA CABINETS, END TABLES, DINING ROOM TABLES AND CABINETS, AND SERVING TABLES.
Claims use since Apr. 21, 1944.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 468,755. IRON FIREMAN MANUFACTURING COMPANY, Portland, Oreg. Filed Mar. 28, 1944.

PERISCOPE

FOR AUTOMATIC COAL BURNERS.
Claims use since May 21, 1943.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 472,265. THE S. K. WELLMAN COMPANY, Cleveland, Ohio. Filed July 14, 1944.

Velvetouch

FOR CLUTCH LININGS AND FACINGS; BRAKE FACINGS; CLUTCH AND BRAKE FRICTION MEMBERS—NAMELY, DISCS, BANDS, CONES, PLATES, AND SHOES HAVING A FRICTION SURFACE; PRESSURE SEALS FOR USE WITH SHAFTS AND MOVING MACHINE ELEMENTS; AND JOURNAL, SLIDE, AND THRUST BEARINGS NOT OF THE BALL OR ROLLER ANTI-FRICTION TYPE.
Claims use since June 8, 1933.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 474,139. SEECO RECORDS, INC., New York, N. Y. Filed Sept. 12, 1944.

SEECO

FOR PHONOGRAPH RECORDS.
Claims use since Sept. 9, 1944.

CLASS 37

PAPER AND STATIONERY

Ser. No. 469,589. NATHAN J. BROWN, doing business as Transolene Co., Barrington, Ill. Filed Apr. 24, 1944.

TRACEOLENE

FOR TRACING PAPER AND TRACING CLOTH.
Claims use since September 1925.

Ser. No. 472,922. JOSEPH ZALKIND, New York, N. Y. Filed Aug. 3, 1944.

UNIGRAPH

FOR PAPER RECORD SHEETS, PAPER RECORD STRIPS, PAYROLL CHECKS, PAYROLL RECORD SHEETS, MANIFOLDING FORMS COMPOSED OF PAPER RECORD SHEETS AND TRANSFER SHEETS. PAPER CHECKS, WRITING PADS INTERLEAVED WITH TRANSFER SLIPS.
Claims use since July 1, 1943.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 470,341. JOSEPH S. KLEIN, doing business as Sportscaster Publications, Chicago, Ill. Filed May 17, 1944.

SPORTSCASTER'S RATINGS of Racing THOROUGHBREDS

The phrase "Ratings of Racing Thoroughbreds" is disclaimed apart from the mark.
FOR PERIODICAL PUBLICATION.
Claims use since Mar. 25, 1944.

Ser. No. 470,908. ARMAND BARTON, Chicago, Ill. Filed June 5, 1944.

Fil-Pa-Lu

FOR LUMINESCENT PICTURES, SAID ARTICLES TO BE USED AS WALL, STAND, AND OTHER DECORATIONS.
Claims use since May 24, 1944.

Ser. No. 472,344. HENRY J. TAYLOR, doing business as The Package Advertising Company, New York, N. Y. Filed July 17, 1944.

AD-SEAL-IT

FOR ADHESIVE AND NON-ADHESIVE BANDS ADAPTED TO BE USED BY THE BAKER AROUND BREAD AND CARRYING IDENTIFYING OR ADVERTISING PRINTED MATTER; FOR ADHESIVE TAPE CARRYING PRINTED MATTER AND ADAPTED FOR USE IN SEALING PACKAGES OF VARIOUS KINDS, AND FOR PRINTED LABELS AND PRINTED ADVERTISING DISPLAYS OF VARIOUS KINDS, ALL OF THE FOREGOING ARTICLES BEING SOLD AS SUCH TO THE TRADE.
Claims use since Jan. 1, 1923.

Ser. No. 472,637. L. MCGREGOR DEMAREST, New York, N. Y. Filed July 26, 1944.

FLO-DEX

FOR GRAPHIC CHARTS.
Claims use since Feb. 24, 1944.

Ser. No. 472,737. THE F-R PUBLISHING CORPORATION, New York, N. Y. Filed July 29, 1944.

LOVE IS A WONDERFUL THING DEPARTMENT

The word "Department" is disclaimed apart from the mark.
FOR MAGAZINE COLUMN.
Claims use since June 22, 1935.

Ser. No. 472,770. THE CROWELL-COLLIER PUBLISHING COMPANY, New York, N. Y. Filed July 31, 1944.

X

Applicant disclaims the word "Letters" apart from the mark.
FOR PERIODICAL PUBLICATION.
Claims use since October 1934.

Ser. No. 473,463. WILLIAM H. WISE & CO., INC., New York, N. Y., assignor to Mildred Weicselbaum, Frank D. Levy, Ben Weinstein, and Herbert M. Siegel, co-partners, doing business as Ideal Distributing Company, New York, N. Y. Filed Aug. 19, 1944.

Green Dragon BOOKS

Applicant disclaims the word "Books" apart from the mark.
FOR SERIES OF BOOKS.
Claims use since Aug. 4, 1944.

CLASS 39

CLOTHING

Ser. No. 448,496. CHICAGO MAIL ORDER COMPANY, Chicago, Ill. Filed Nov. 10, 1941.



The representation of the woman is fanciful. The words "Today's Fashions" are disclaimed apart from the mark.
FOR WOMEN'S DRESSES.
Claims use since Sept. 10, 1941.

Ser. No. 470,156. HARRY T. STUART CO. INC., New York, N. Y. Filed May 11, 1944.

HONEYMOON

Applicant is the owner of the trade-mark "Honeymoon" shown in Reg. No. 182,271, dated Apr. 8, 1924.
FOR HOSIERY FOR MEN, WOMEN, AND CHILDREN.
Claims use since Nov. 14, 1923.

Ser. No. 471,609. F. JACOBSON & SONS, INC., New York, N. Y. Filed June 24, 1944.

TEE-CEE

FOR MEN'S DRESS AND WORK SHIRTS.
Claims use since May 9, 1944.

Ser. No. 471,747. LEVY BROS. & ADLER ROCHESTER, INCORPORATED, Rochester, N. Y. Filed June 28, 1944.



The surname "Adler" is disclaimed apart from the mark.
FOR MEN'S AND BOYS' TOPCOATS AND OVERCOATS AND SUITS.
Claims use since Jan. 1, 1943.

Ser. No. 471,978. LUSTBERG, NAST & CO., INC., New York, N. Y. Filed July 7, 1944.



The picture is fanciful. No claim is made to the words "Buck" or "Joe" except in association with the mark as a whole.
FOR MEN'S AND BOYS' SHIRTS, JACKETS, AND MACKINAWS; WOMEN'S JACKETS; HUNTING COATS FOR MEN; SPORT COATS, BATH ROBES, AND LOUNGING ROBES FOR MEN AND WOMEN; MEN'S UNDERWEAR, TROUSERS, VESTS, AND SLIPOVERS, AND CHILDREN'S SNOW AND PLAY SUITS.
Claims use since June 14, 1944.

Ser. No. 472,082. SHEPHERD KNIT-WEAR CO., INC., New York, N. Y. Filed July 10, 1944.

Sun Goddess

FOR WOMEN'S AND GIRLS' SLACKS, SHORTS, SPORT SHIRTS, PLAY SUITS, BATHING SUITS, HALTERS, AND SUN SUITS.
Claims use since June 1941.

Ser. No. 472,086. STANDARD PARACHUTE CORPORATION, San Diego, Calif. Filed July 10, 1944.



FOR CHILDREN'S SLIP.
Claims use since June 3, 1944.

Ser. No. 472,111. GOTHAM HOSIERY COMPANY, INC., New York, N. Y., and elsewhere. Filed July 11, 1944.

GOTHAM
VISIBLES

The lining is for shading only. The term "Visibles" is disclaimed except as associated with other features of the mark.
FOR KNITTED AND/OR WOVEN FOOT COVERINGS TO BE WORN IN SHOES WHEN NO STOCKINGS ARE WORN.
Claims use since Apr. 1, 1944.

Ser. No. 472,236. HENRY A. DIX & SONS CORPORATION, New York, N. Y. Filed July 14, 1944.

400

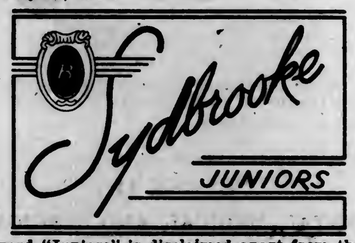
FOR UNIFORMS CONSISTING OF DRESSES ADAPTED FOR NURSES, HOUSEMAIDS, AND WAITRESSES.
Claims use since April 1903.

Ser. No. 472,460. LYONELLE MODES, New York, N. Y. Filed July 21, 1944.

Lyonelle
DUV - SUEDE

The word "Suede" is disclaimed apart from the mark.
FOR LADIES' COATS, SUITS, AND JACKETS.
Claims use since October 1929.

Ser. No. 472,663. SYDNEY BITTERMAN, New York, N. Y. Filed July 27, 1944.



The word "Juniors" is disclaimed apart from the mark.
FOR MISSES' COATS AND SUITS.
Claims use since July 19, 1944.

Ser. No. 472,673. HOLEPROOF HOSIERY CO., Milwaukee, Wis. Filed July 27, 1944.

YOUR HIGHNESS by Luxite

FOR WOMEN'S UNDERWEAR.
Claims use since Oct. 1, 1936.

Ser. No. 472,684. VARSITY MANUFACTURING COMPANY, INC., New York, N. Y. Filed July 27, 1944.

"ALIVE WITH JIVE"

FOR CHILDREN'S RAINCOATS.
Claims use since June 30, 1944.

Ser. No. 472,872. KNOTHE BROTHERS CO. INC., New York, N. Y. Filed Aug. 2, 1944.

WIL O SPUN

Applicant owns Reg. No. 351,012, dated Oct. 12, 1937, showing the mark "Wil O Spun." No claim is made to the word "Spun" apart from the mark.
FOR MEN'S, WOMEN'S, BOYS', AND GIRLS' PAJAMAS, SHORTS, AND UNDERWEAR.
Claims use to men's, women's, boys' and girls' pajamas since May 31, 1934 and to men's, women's, boys' and girls' shorts and underwear since June 5, 1934.

Ser. No. 472,960. MONARCH MANUFACTURING COMPANY, Milwaukee, Wis. Filed Aug. 4, 1944.

Aeropelt

FOR MEN'S AND BOYS' JACKETS, COATS, VESTS, ULSTERS, AND FLYING SUITS.
Claims use since July 15, 1944.

Ser. No. 473,198. A. F. SAUER COMPANY, Milwaukee, Wis. Filed Aug. 11, 1944.



The word "Togs" is disclaimed apart from the mark.
FOR OVERALLS, SUNSUITS, AND ROMPERS FOR SMALL CHILDREN.
Claims use since July 24, 1944.

Ser. No. 473,262. JACK L. SISKIND, New York, N. Y. Filed Aug. 14, 1944.



The drawing is lined for red.
FOR KNITGOODS—NAMELY, SWEATERS, BATHING SUITS, HOSIERY, AND UNDERWEAR FOR THE USE OF MEN, WOMEN, BOYS, AND GIRLS.
Claims use since June 1, 1944.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 455,995. BEHR-MANNING CORPORATION, Troy, N. Y. Filed Oct. 6, 1942.

Electra
Tufted

Applicant disclaims the word "Tufted" apart from the mark.
FOR FLOCK COATED TEXTILE FABRICS IN THE PIECE OF COTTON, WOOL, SILK, AND RAYON.
Claims use since Sept. 18, 1942.

Ser. No. 469,321. HAROLD BERNSTEIN & CO., INC., New York, N. Y. Filed Apr. 14, 1944.

HARBERN HB FABRICS

The word "Fabrics" is disclaimed apart from the mark.
FOR RAYON FABRIC AND SILK FABRIC IN THE PIECE.
Claims use since February 1935.

Ser. No. 470,643. MAX S. WEISSMAN, doing business as Grossman & Weissman, New York, N. Y. Filed May 25, 1944.



The outline representation of the label is disclaimed apart from the mark. The drawing is lined for red, blue, green, yellow, and orange.
FOR TABLE CLOTHS, TOWELS, AND NAPKINS.
Claims use since Feb. 4, 1944.

Ser. No. 473,438. J. W. VALENTINE COMPANY, INC., New York, N. Y. Filed Aug. 18, 1944.

KOALITY

FOR BEDSPREADS AND RUGS.
Claims use since May 15, 1944.

Ser. No. 473,467. CREST FABRICS CORP., New York, N. Y. Filed Aug. 21, 1944.

MARIGOLD

FOR TEXTILE FABRICS IN THE PIECE, OF COTTON, SPUN RAYON, PROTEIN FIBRES AND COMBINATIONS THEREOF.
Claims use since May 11, 1943.

Ser. No. 473,469. EVERFAST FABRICS, INC., New York, N. Y. Filed Aug. 21, 1944.

CAMBRICANA

FOR TEXTILE FABRICS IN THE PIECE OF COTTON, SPUN RAYON AND PROTEIN FIBRES.
Claims use since Oct. 19, 1943.

CLASS 43

THREAD AND YARN

Ser. No. 472,819. ORCHARD YARN AND THREAD COMPANY, New York, N. Y. Filed Aug. 1, 1944.

Lady Ann



"Satisfaction In Every Stitch"

FOR CROCHET AND KNITTING COTTON, KNITTING WORSTED, AND RAYON YARNS.
Claims use since August 1935.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 469,608. THE NATIONAL MINERAL COMPANY, Chicago, Ill. Filed Apr. 24, 1944.

PARK AVENUE

FOR PERMANENT HAIR WAVING EQUIPMENT AND SUPPLIES—NAMELY, HAIR WAVING PADS SOLD EITHER ALONE OR IN COMBINATION WITH HAIR WAVING SOLUTION FOR USE THEREWITH; AND SPACERS ADAPTED FOR USE IN MACHINELESS PERMANENT HAIR WAVING OR IN COMBINATION WITH PERMANENT HAIR WAVING MACHINES.
Claims use since Oct. 1, 1936.

Ser. No. 473,937. DURALLIUM PRODUCTS CORPORATION, Chicago, Ill. Filed Sept. 7, 1944.

DURALLIUM

FOR DENTAL ALLOYS, CASTING MATERIALS, DENTAL FITTINGS, ORTHODONTIC APPLIANCES, CAST DENTAL RESTORATIONS, WIRE AND CLASPS FOR DENTAL USE AND DENTURES.
Claims use since Jan. 2, 1937; and since July 9, 1936, for the word "Durallium."

Ser. No. 473,938. DURALLIUM PRODUCTS CORPORATION, Chicago, Ill. Filed Sept. 7, 1944.



FOR DENTAL ALLOYS, CASTING MATERIALS, DENTAL FITTINGS, ORTHODONTIC APPLIANCES, CAST METAL RESTORATIONS, WIRE AND CLASPS FOR DENTAL USE AND DENTURES.
Claims use since Jan. 2, 1937.

CLASS 45

BEVERAGES, NONALCOHOLIC

Ser. No. 473,033. THE MOUNT CLEMENS MINERAL WATER COMPANY, INC., Mount Clemens, Mich. Filed Aug. 7, 1944.

CLEME-TONE

The word "Tone" is disclaimed apart from the mark.
FOR MINERAL WATER.
Claims use since Mar. 1, 1940.

Ser. No. 473,447. MONROE HARRISON, Chicago, Ill. Filed Aug. 19, 1944.

MEX-O-CO

FOR NONALCOHOLIC, MALTLESS SOFT DRINKS AND SYRUPS AND CONCENTRATES FOR MAKING SAME.
Claims use since June 7, 1931.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 456,215. INTERSTATE BAKERIES CORPORATION, doing business as Schulze Baking Company, Kansas City, Mo., Chicago, Ill., Cincinnati, Ohio, Omaha, Nebr., Grand Rapids, Mich, Des Moines, Iowa, and Peoria and Springfield, Ill. Filed Oct. 15, 1942.



FOR BAKERY PRODUCTS AND NAMELY, BREAD AND ROLLS.
Claims use since Sept. 2, 1935.

Ser. No. 463,348. ESSEX MACARONI COMPANY INC., Lawrence, Mass. Filed Sept. 11, 1943.

Snoodles

FOR NOODLES, SPAGHETTI, AND MACARONI.
Claims use since July 1, 1943.

Ser. No. 464,877. CENTRAL SOYA COMPANY, INC., Fort Wayne, Ind. Filed Nov. 10, 1943.
No claim is made to the word "Soya" apart from the mark.

SOYA PUFFS

FOR EDIBLE PRODUCT IN THE FORM OF DISCRETE LOW-DENSITY GRANULES OF HIGH-PROTEIN, LOW FAT CONTENT, MANUFACTURED FROM SOYBEANS, AND USEFUL AS A TOPPING FOR BAKERY GOODS AND CANDY, AS A BLEND WITH CHOPPED NUTS, AND AS A CEREAL, AS IN MEAT PRODUCTS SUCH AS MEAT LOAVES, ETC.
Claims use since Mar. 12, 1940.

Ser. No. 466,995. KRAMBO FOOD STORES, INCORPORATED, Oshkosh, Wis. Filed Jan. 29, 1944.

SAMBO

FOR WHEAT FLOUR.
Claims use since Dec. 14, 1943.

Ser. No. 467,054. TEX-O-KAN FLOUR MILLS COMPANY, INC., doing business as Burrus Feed Mills, Dallas, Tex. Filed Jan. 31, 1944.

TEXO ALFAGREEN

Applicant is the owner of U. S. Registration No. 389,182, issued July 29, 1941.
FOR FEED CONCENTRATES FOR STOCK, POULTRY AND LIVESTOCK FEEDS, CONTAINING DEHYDRATED ALFALFA AND HAVING VITAMIN INGREDIENTS.
Claims use since Aug. 13, 1942.

Ser. No. 467,345. DENNIS MILLS, doing business as Uncle Sam Produce, New York, N. Y. Filed Feb. 11, 1944.



Applicant disclaims the representation of the celery and the word "Brand" apart from the mark.
FOR CELERY.
Claims use since 1926.

Ser. No. 468,768. WILLIAM WALLACE, doing business as Pantry Products Co. and Ace Preserves, New York, N. Y. Filed Mar. 28, 1944.

PANTRY'S JAM POT

Applicant disclaims the word "Jam" separately from the mark.
FOR FRUIT JAMS.
Claims use since Mar. 2, 1944.

Ser. No. 471,022. CHOCOLATE POP CORN CO., Kingston, Pa. Filed June 8, 1944.

HAPPY KERNELS



No claim is made to the word "Kernels" apart from the mark.
FOR SUGAR-COATED POP CORN AND CHEESE COATED POP CORN.
Claims use since Mar. 10, 1943.

Ser. No. 471,953. MARLON CONFECTIONS COMPANY, New York, N. Y. Filed July 6, 1944.



Applicant is the owner of registration 396,486, dated July 21, 1942. No claim is made to the representation of the label, the representation of the goods except as shown. All wording except "Marlon" is disclaimed apart from the mark.
FOR CANDIES.
Claims use since July 1, 1943.

Ser. No. 472,055. GOODWIN PRESERVING CO., Louisville, Ky. Filed July 10, 1944.

PEACHLADE

FOR FRUIT JAM.
Claims use since Apr. 1, 1944.

Ser. No. 473,239. R. M. WRIGHT, doing business as Wright Fruit Company, Dinuba, Calif. Filed Aug. 12, 1944.


SCOTTY
WRIGHT FRUIT CO.

No claim is made to the name "Wright Fruit Co." apart from the mark.
FOR FRESH FRUITS—NAMELY, FRESH GRAPES.
Claims use since July 1934.

Ser. No. 473,738. H. L. HILDRETH CO., Boston, Mass. Filed Aug. 30, 1944.

Velveteen

Applicant is the owner of the registered marks No. 52,070, May 1, 1906 (renewed), and No. 205,704, November 17, 1925.
FOR CANDY.
Claims use since October 1943.

Ser. No. 473,743. LEXINGTON MILL & ELEVATOR COMPANY, Lexington, Nebr. Filed Aug. 30, 1944.

DAVID HARUM

The name "David Harum" is the title of a book by Edward Noyes Westcott.
FOR STOCK FEED, HOG AND PIG FEED, CALF MEAL, AND POULTRY FEED—NAMELY, MASH FEED, CHICK AND HEN SCRATCH FEEDS, CHICK GROWING MASH, CHICK STARTER, POULTRY FATTENER, AND TURKEY GROWER AND TURKEY STARTER FEEDS.
Claims use since March 1924.

Ser. No. 474,062. WILLIAMSON CANDY CO., Chicago, Ill. Filed Sept. 9, 1944.

Soft Answer

The word "Soft" is disclaimed apart from the mark.
FOR CANDY.
Claims use since Aug. 8, 1944.

Ser. No. 474,084. H. C. AND EVERETTE MARSHALL FARMS, La Junta, Colo. Filed Sept. 11, 1944.

Robert Ann

FOR FRESH CANTALOUPES.
Claims use since Apr. 11, 1944.

Ser. No. 474,238. GEORGE P. GUNDLACH, Cincinnati, Ohio. Filed Sept. 15, 1944. Under the act of February 20, 1905, as amended June 10, 1938.

Twirl

FOR ICE CREAM AND/OR A COMBINATION OF TWO VARIETIES OR FLAVORS OF ICE CREAM; A COMBINATION OF ICE CREAM AND WATER ICE; A COMBINATION OF ICE CREAM AND SHERBET; A COMBINATION OF ICE CREAM AND PREPARED FLAVORED SYRUPS AND MARSHMALLOW; A COMBINATION OF ICE CREAM AND PREPARED FRUITED FLAVORS.
Claims use since Jan. 2, 1937.

Ser. No. 474,276. ESCALON PACKERS, INC., Escalon, Calif. Filed Sept. 16, 1944.

CAL-NIA

FOR CANNED FRUITS.
Claims use since June 1944.

CLASS 47
WINES

Ser. No. 472,638. DUBONNET WINE CORPORATION, New York, N. Y. Filed July 26, 1944.



FOR WINE APERITIF.
Claims use since 1942.

Ser. No. 473,170. ALPINE WINERY, doing business as Alpine Vineyards, Healdsburg, Calif. Filed Aug. 11, 1944.

ALPINE

FOR WINES.
Claims use since 1893.

CLASS 48
MALT BEVERAGES AND LIQUORS

Ser. No. 472,630. BLATZ BREWING COMPANY, Milwaukee, Wis. Filed July 26, 1944.



FOR BEER.
Claims use since Nov. 21, 1941.

CLASS 49
DISTILLED ALCOHOLIC LIQUORS

Ser. No. 469,513. RON VIRGIN COMPANY, LTD., Cambridge, Mass. Filed Apr. 20, 1944.

Jovarich

FOR VODKA.
Claims use since Mar. 13, 1943.

Ser. No. 470,284. ALBERTO VOLLMER, Caracas, Venezuela. Filed May 15, 1944.



No claim is made to the word "Ron" apart from the mark.
FOR RUM.
Claims use since June 22, 1909.

Ser. No. 472,926. JAMES BUCHANAN & COMPANY LIMITED, London, England. Filed Aug. 4, 1944.

"BLACK&WHITE"
DE LUXE

The words "De Luxe" are disclaimed apart from the mark.
FOR WHISKY.
Claims use since Mar. 1, 1944.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

NOVEMBER 7, 1944

410,027. PAINT PRODUCTS—NAMELY, ALUMINUM POWDER FOR MAKING PAINT, ALUMINUM PASTE FOR MAKING PAINT, BLACK PAINT, ETC. THE PERVO COMPANY, Los Angeles, Calif.
Filed February 10, 1941. Serial No. 440,521. PUBLISHED AUGUST 29, 1944. Class 16.

410,028. PRINTED AND RULED BLANK FORMS. PROFESSIONAL MANAGEMENT, Battle Creek, Mich.
Filed December 12, 1941. Serial No. 449,433. PUBLISHED AUGUST 29, 1944. Class 37.

410,029. MEN'S HATS. GEORGE S. BAILEY HAT COMPANY, INC., Los Angeles, Calif.
Filed January 19, 1942. Serial No. 450,300. PUBLISHED APRIL 20, 1943. Class 39.

410,030. LIQUID SOLVENT PARTICULARLY ADAPTED FOR INCREASING MOTOR PERFORMANCE. MARION FRANCIS KELLY, Richmond, Ind.
Filed March 12, 1942. Serial No. 451,569. PUBLISHED MAY 12, 1942. Class 6.

410,031. SHIELD PANTIE. BEAU-T-FORM FOUNDATIONS, INC., Chicago, Ill.
Filed November 19, 1942. Serial No. 456,916. PUBLISHED FEBRUARY 1, 1944. Class 39.

410,032. CLOTHING—NAMELY, OVERALLS, SHIRTS, DUNGAREES, AND TROUSERS. THE CROWN OVERALL MFG. COMPANY, Cincinnati, Ohio.
Filed February 11, 1943. Serial No. 458,472. PUBLISHED JULY 6, 1943. Class 39.

410,033. CLOTHING FOR MEN, WOMEN AND CHILDREN FOR SPORT, WORK AND OTHER WEAR—NAMELY, FOR MEN'S AND BOYS' MACKINAW COATS, ULSTERS AND PANTS, ETC. GUITERMAN BROS., INC., St. Paul, Minn.
Filed March 15, 1943. Serial No. 459,111. PUBLISHED AUGUST 1, 1944. Class 39.

410,034. FEED SUPPLEMENTS CONTAINING VITAMINS, SAID SUPPLEMENTS BEING USED PARTICULARLY FOR CATTLE, HOGS, AND SHEEP. CHAUNCEY M. STORMES, doing business as Iowa Feed Company, Des Moines, Iowa.
Filed May 6, 1943. Serial No. 460,458. PUBLISHED AUGUST 22, 1944. Class 46.

410,035. HAIR BRUSH AND COMB SETS; AND TOILET AND DRESSER SETS, CONSISTING OF COMBS, BRUSHES, MIRRORS, NAIL FILES, POWDER BOXES, AND DRESSER TRAYS, ALL MADE OF OR BACKED WITH PLASTIC MATERIAL. PRO-PHY-LAC-TIC BRUSH COMPANY, Northampton, Mass.
Filed May 27, 1943. Serial No. 460,966. PUBLISHED NOVEMBER 16, 1943. Class 40.

410,036. WATCHES, WATCH CASES, AND WATCH MOVEMENTS. THE GRUEN WATCH COMPANY, Cincinnati, Ohio.
Filed June 14, 1943. Serial No. 461,370. PUBLISHED AUGUST 29, 1944. Class 27.

410,037. HAND CREAM. MAGNAFLUX CORPORATION, Chicago, Ill.
Filed June 17, 1943. Serial No. 461,466. PUBLISHED AUGUST 22, 1944. Class 6.

410,038. CERAMIC TABLE, REFRIGERATOR AND OVEN WARE. CLUB ALUMINUM PRODUCTS CO., Chicago, Ill.
Filed June 21, 1943. Serial No. 461,547. PUBLISHED AUGUST 29, 1944. Class 30.

410,039. ABRASIVE BLOCKS FOR REMOVING HAIR FROM THE HUMAN BODY. THE RIESER COMPANY, INC., New York, N. Y.
Filed June 23, 1943. Serial No. 461,617. PUBLISHED AUGUST 29, 1944. Class 44.

410,040. FLORAL BOUQUET SOAP. STIX, BAER AND FULLER COMPANY, St. Louis, Mo.
Filed June 28, 1943. Serial No. 461,721. PUBLISHED SEPTEMBER 21, 1943. Class 4.

410,041. STICK CANDIES, HARD CANDIES, CARAMELS, SUGARLESS COFFEE COMPRESSES AND TABLETS, COFFEE COMPRESSES AND TABLETS WITH SUGAR, ETC. ISLAND MINING AND TRADING CORPORATION, Habana, Cuba.
Filed July 13, 1943. Serial No. 462,053. PUBLISHED AUGUST 29, 1944. Class 46.

410,042. CANDY. JONAT CANDY CORP., Brooklyn, N. Y.
Filed August 26, 1943. Serial No. 463,024. PUBLISHED AUGUST 29, 1944. Class 46.

410,043. MAGAZINES PUBLISHED PERIODICALLY. MCGRAW-HILL PUBLISHING COMPANY, INC., New York, N. Y.
Filed October 11, 1943. Serial No. 464,058. PUBLISHED AUGUST 1, 1944. Class 38.

410,044. PHONOGRAPH STYLI. PERMO, INCORPORATED, Chicago, Ill.
Filed November 1, 1943. Serial No. 464,584. PUBLISHED AUGUST 22, 1944. Class 36.

410,045. MEN'S WEARING APPAREL—NAMELY, COATS, PANTS, AND OUTER SHIRTS. SILVER TROUSER MFG. CO., Chicago, Ill.
Filed November 1, 1943. Serial No. 464,590. PUBLISHED AUGUST 22, 1944. Class 39.

410,046. TEQUILA. INDALECIO NUÑEZ, Guadalajara, Mexico.
Filed November 4, 1943. Serial No. 464,713. PUBLISHED AUGUST 15, 1944. Class 49.

410,047. PETROLEUM ASPHALTS FOR CONSTRUCTION PURPOSES. UNION OIL COMPANY OF CALIFORNIA, Los Angeles, Calif.
Filed November 16, 1943. Serial No. 465,052. PUBLISHED AUGUST 29, 1944. Class 12.

410,048. DETERGENT PREPARATION—NAMELY, A PURE COCOANUT AND CASTOR BASE LIQUID SOAP. PHYSICIANS & HOSPITALS SUPPLY COMPANY, INC., doing business as Ulmer Pharmacal Company, Minneapolis, Minn.
Filed December 6, 1943. Serial No. 465,565. PUBLISHED AUGUST 29, 1944. Class 4.

410,049. BINDINGS, BRAIDS, GALLOONS, TAPE, TRIMMINGS, AND BOOT AND CORSET LACES. JAMES NELSON, LTD., Bradford, England.
Filed December 18, 1943. Serial No. 465,875. PUBLISHED AUGUST 15, 1944. Class 40.

410,050. GARDENIAS, ORCHIDS, AND CORSAGE BOUQUETS. AMLING WHOLESALE FLORIST, INC., San Francisco, Calif.
Filed December 28, 1943. Serial No. 466,116. PUBLISHED AUGUST 29, 1944. Class 1.

410,051. EDIBLE ACIDS—NAMELY, CITRIC ACID, LACTIC ACID, PHOSPHORIC ACID, TARTARIC ACID, AND MIXTURES THEREOF, ETC. S. W. LANDSBERGER CHEMICAL WORKS, INC., New York, N. Y.
Filed January 8, 1944. Serial No. 466,412. PUBLISHED AUGUST 22, 1944. Class 6.

410,052. RUM. J. M. PORTELA & CO., INC., Arecibo, P. R.,
Filed January 13, 1944. Serial No. 466,541. PUBLISHED AUGUST 22, 1944. Class 49.

410,053. MERCHANDISE BAGS MADE OF TRANSPARENT MATERIALS WHICH ARE COLOR PRINTED, SHELLMAR PRODUCTS COMPANY, Mount Vernon, Ohio.
Filed January 14, 1944. Serial No. 466,590. PUBLISHED AUGUST 29, 1944. Class 2.

410,054. SKIN OINTMENT FOR THE TREATMENT OF RINGWORM, SCABIES, ATHLETE'S FOOT, AND ECZEMA. FRANK BENES, doing business as Benes Company, Long Island City, N. Y.
Filed January 20, 1944. Serial No. 466,720. PUBLISHED AUGUST 22, 1944. Class 6.

410,055. FRESH VEGETABLES. REYES & BETITA CO., Arroya Grande, Calif.
Filed February 5, 1944. Serial No. 467,208. PUBLISHED AUGUST 29, 1944. Class 46.

410,056. ARTICLES MADE OF LAMINATED RAYON RIBBON, LAMINATED RAYON PIECE GOODS, OR LAMINATED RAYON CONSTRUCTION BOARD, SPECIFICALLY, ARTIFICIAL FLOWERS, LEAVES, AND VINES, ETC. FACIL FABRICS COMPANY, New York, N. Y.
Filed February 8, 1944. Serial No. 467,272. PUBLISHED AUGUST 29, 1944. Class 50.

410,057. CONTAINER CONTAINING A PROPHYLACTIC RUBBER ARTICLE FOR THE PREVENTION OF CONTAGIOUS DISEASES, A TUBE OF JELLY CONTAINING THIRTY-THREE AND ONE-THIRD PER CENT CALOMEL, TWENTY-FIVE PER CENT SULFATHIAZOLE, A SOAP RAG, AND INSTRUCTIONS, SOLD AS A UNIT. ERNEST J. SCHABELITZ, doing business as Schabelitz Research Laboratories, San Diego, Calif.
Filed February 21, 1944. Serial No. 467,619. PUBLISHED AUGUST 29, 1944. Class 44.

410,058. SERIES OF SMALL SIZE EDITIONS OF STORIES PUBLISHED FROM TIME TO TIME. DELL PUBLISHING COMPANY, INC., New York, N. Y.
Filed February 23, 1944. Serial No. 467,688. PUBLISHED AUGUST 15, 1944. Class 38.

410,059. SERIES OF SMALL SIZE EDITIONS OF STORIES PUBLISHED FROM TIME TO TIME. DELL PUBLISHING COMPANY, INC., New York, N. Y.
Filed February 23, 1944. Serial No. 467,689. PUBLISHED AUGUST 15, 1944. Class 38.

410,060. SERIES OF SMALL SIZE EDITIONS OF STORIES PUBLISHED FROM TIME TO TIME. DELL PUBLISHING COMPANY, INC., New York, N. Y.
Filed February 23, 1944. Serial No. 467,690. PUBLISHED AUGUST 15, 1944. Class 38.

410,061. SERIES OF SMALL SIZE EDITIONS OF STORIES PUBLISHED FROM TIME TO TIME. DELL PUBLISHING COMPANY, INC., New York, N. Y.
Filed February 23, 1944. Serial No. 467,691. PUBLISHED AUGUST 15, 1944. Class 38.

410,062. MAGAZINE AND CIRCULARS PUBLISHED FROM TIME TO TIME. JASON G. CLARK, Norwich, Conn.
Filed February 28, 1944. Serial No. 467,801. PUBLISHED AUGUST 15, 1944. Class 38.

410,063. BOARD GAME WHICH IS PLAYED BY TRANSFERRING COUNTERS FROM PEN TO PEN ACCORDING TO RULES LAID DOWN IN A BOOK OF INSTRUCTIONS SUPPLIED WITH THE GAME. WILLIAM JULIUS CHAMPION, Mystic, Conn.
Filed March 6, 1944. Serial No. 467,997. PUBLISHED AUGUST 29, 1944. Class 22.

410,064. CANDY. LAFOND CHOCOLATIER, New York, N. Y.
Filed March 7, 1944. Serial No. 468,036. PUBLISHED AUGUST 29, 1944. Class 46.

410,065. MEN'S, WOMEN'S, AND CHILDREN'S HOSIERY, MADE EITHER OF WOOL, WOOL MIXED, COTTON, SILK OR RAYON. THE ADLER CO., Cincinnati, Ohio.
Filed March 17, 1944. Serial No. 468,361. PUBLISHED AUGUST 8, 1944. Class 39.

410,066. MAGAZINE ISSUED FROM TIME TO TIME. COLUMBIA PUBLICATIONS, INC., New York, N. Y., and Holyoke, Mass.
Filed March 17, 1944. Serial No. 468,376. PUBLISHED AUGUST 22, 1944. Class 38.

410,067. CONCRETE CURING COMPOUND. DEWEY AND ALMY CHEMICAL COMPANY, Cambridge, Mass.
Filed March 22, 1944. Serial No. 468,503. PUBLISHED AUGUST 29, 1944. Class 12.

410,068. CLINICAL THERMOMETERS, HYPODERMIC NEEDLES, HYPODERMIC SYRINGES, SPUTUM CUP REFILLS, ETC. GOODMAN-KLEINER CO. INC., New York, N. Y.
Filed March 23, 1944. Serial No. 468,565. PUBLISHED AUGUST 29, 1944. Class 44.

410,069. PREPARATION FOR INTRAMUSCULAR INJECTION—AN ORGANIC BISMUTH COMPOUND TO OBTAIN SYSTEMIC EFFECTS IN SYPHILIS. VINCENT CHRISTINA & COMPANY, INC., New York, N. Y.
Filed March 31, 1944. Serial No. 468,869. PUBLISHED AUGUST 8, 1944. Class 6.

410,070. IRON SALT USED PARENTERALLY FOR THE TREATMENT OF ANEMIAS. VINCENT CHRISTINA & COMPANY, INC., New York, N. Y.
Filed March 31, 1944. Serial No. 468,871. PUBLISHED AUGUST 8, 1944. Class 6.

410,071. PREPARATION FOR INTRAMUSCULAR INJECTION—A STABLE SOLUTION OF THE NATURAL ESTROGENIC HORMONE IN OIL INDICATED IN THE TREATMENT OF NATURAL AND ARTIFICIAL MENOPAUSE, DYSMENORRHEA, FUNCTIONAL AMENORRHEA AND IN GONORRHEAL VAGINITIS IN CHILDREN. VINCENT CHRISTINA & COMPANY, INC., New York, N. Y.
Filed March 31, 1944. Serial No. 468,872. PUBLISHED AUGUST 8, 1944. Class 6.

410,072. PREPARATION FOR INTRAMUSCULAR INJECTION, INDICATED IN THE TREATMENT OF DISTURBANCES OF LIPOID METABOLISM, PSORIASIS, HYPERCHOLESTEREMIA, LIVER CIRRHOSIS, HEPATIC INSUFFICIENCY. VINCENT CHRISTINA & COMPANY, INC., New York, N. Y.
Filed March 31, 1944. Serial No. 468,873. PUBLISHED AUGUST 8, 1944. Class 6.

410,073. INSECTICIDE AND FUNGICIDE. CENTRAL CHEMICAL CORPORATION, Everett, Pa., and Hagerstown, Md.
Filed April 3, 1944. Serial No. 468,951. PUBLISHED JUNE 27, 1944. Class 6.

410,074. WATCHES. THE UNITED STATES TIME CORPORATION, Waterbury, Conn.
Filed April 4, 1944. Serial No. 469,025. PUBLISHED JUNE 13, 1944. Class 27.

410,075. WALL AND DOOR RACKS FOR TIES, BELTS, COLLAR AND CUFF BUTTONS AND STUDS AND FOR SUPPORTING MISCELLANEOUS ARTICLES. MIDWEST MANUFACTURING AND ENGINEERING CORP., Boston, Mass., and New York, N. Y.
Filed April 6, 1944. Serial No. 469,087. PUBLISHED AUGUST 29, 1944. Class 13.

410,076. PUBLICATION ISSUED MONTHLY ON GENERAL INDUSTRIAL RELATIONS AND PARTICULARLY ON RELATIONS BETWEEN EMPLOYER AND EMPLOYEE. NATIONAL ASSOCIATION OF PERSONNEL DIRECTORS, Chicago, Ill.
Filed April 8, 1944. Serial No. 469,164. PUBLISHED AUGUST 22, 1944. Class 38.

410,077. LADIES' HAND BAGS. BRADFORD-NORTON, Birmingham, Ala.
Filed April 15, 1944. Serial No. 469,352. PUBLISHED AUGUST 29, 1944. Class 3.

410,078. COLUMN OR SECTION OF A MAGAZINE. IMPORT PUBLICATIONS, INC., New York, N. Y.
Filed April 24, 1944. Serial No. 469,599. PUBLISHED AUGUST 22, 1944. Class 38.

410,079. ASPIRIN, IRON AND YEAST, MEDICINAL MINERAL OIL, COD LIVER OIL, MILK OF MAGNESIA, ANALGESIC BALM, AND ZINC OXIDE OINTMENT. KATZ DRUG COMPANY, Kansas City, Mo.
Filed April 27, 1944. Serial No. 469,731. PUBLISHED AUGUST 22, 1944. Class 6.

410,080. MEN'S OUTER SHIRTS, PAJAMAS, AND SPORT SHIRTS. THE ENRO SHIRT COMPANY, INC., Louisville, Ky.
Filed April 28, 1944. Serial No. 469,754. PUBLISHED AUGUST 1, 1944. Class 39.

410,081. LEAD PENCILS IN WHICH THE CASE ENCLOSING THE LEAD IS OF PAPER OR THE LIKE, WHICH MAY BE TORN OFF IN STRIPS. BLAISDELL PENCIL COMPANY, Philadelphia, Pa.
Filed May 5, 1944. Serial No. 469,952. PUBLISHED AUGUST 29, 1944. Class 37.

410,082. MEN'S, BOYS', AND WOMEN'S PAJAMAS, AND MEN'S AND BOYS' OUTER SHIRTS. ARTHUR WOLFF, doing business as Arthur Wolff Company, New York, N. Y.
Filed May 2, 1944. Serial No. 469,882. PUBLISHED AUGUST 15, 1944. Class 39.

410,083. SELF-CLOSING FAUCETS. WILLIAM M. WILSON'S SONS, Philadelphia, Pa.
Filed May 5, 1944. Serial No. 469,978. PUBLISHED AUGUST 29, 1944. Class 13.

410,084. NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND SYRUPS AND EXTRACTS FOR MAKING THE SAME. MYER 1890 BOTTLING CO. INC., New York, N. Y.
Filed May 9, 1944. Serial No. 470,082. PUBLISHED AUGUST 22, 1944. Class 45.

410,085. FINGER RINGS, ARTICLES OF JEWELRY FOR PERSONAL WEAR NOT INCLUDING WATCHES AND FLATWARE COMPOSED OF GOLD, SILVER, STERLING SILVER, OR OTHER PRECIOUS METALS. SELMAN & BIRCH, New York, N. Y.
Filed May 10, 1944. Serial No. 470,122. PUBLISHED AUGUST 29, 1944. Class 28.

410,086. GABARDINE COATS FOR MEN, YOUNG MEN, AND BOYS. A. I. MEYER CORPORATION, Boston, Mass.
Filed May 11, 1944. Serial No. 470,149. PUBLISHED AUGUST 8, 1944. Class 39.

410,087. PREPARATION FOR THE TREATMENT OF HOG CHOLERA. LILLIE R. ROSS, doing business as Ross Chemical Company, Oklahoma City, Okla.
Filed May 12, 1944. Serial No. 470,213. PUBLISHED AUGUST 22, 1944. Class 6.

410,088. FLAME COLORING MATERIAL. JONATHAN P. B. FISKE, Auburndale, Mass.
Filed May 13, 1944. Serial No. 470,223. PUBLISHED AUGUST 22, 1944. Class 6.

410,089. SOLID WOVEN BELTING FOR POWER TRANSMISSION, ELEVATING, AND CONVEYING PURPOSES. VICTOR BALATA & TEXTILE BELTING CO., New York, N. Y.
Filed May 12, 1944. Serial No. 470,249. PUBLISHED AUGUST 29, 1944. Class 35.

410,090. TOY CONSISTING OF A ROTARY MEMBER HAVING A STRING AFFIXED TO THE OPPOSITE ENDS THEREOF AND ADAPTED TO BE ROLLED UP AND DOWN THE STRING. ORIGINALITIES, New York, N. Y.
Filed May 20, 1944. Serial No. 470,465. PUBLISHED AUGUST 29, 1944. Class 22.

410,091. SYNTHETIC PLASTIC RESINS. REICHHOLD CHEMICALS, INC., Detroit, Mich.
Filed May 20, 1944. Serial No. 470,466. PUBLISHED AUGUST 29, 1944. Class 1.

410,092. CHILDREN'S DRESSES, COATS, AND SUITS. HELEN HUTCHINSON, doing business as Half-Fare Frocks, St. Louis, Mo.
Filed May 22, 1944. Serial No. 470,500. PUBLISHED AUGUST 8, 1944. Class 39.

410,093. PLASTIC TUBING USED FOR HOSE. NATIONAL PLASTIC PRODUCTS COMPANY, Odenton, Md.
Filed May 22, 1944. Serial No. 470,508. PUBLISHED AUGUST 29, 1944. Class 35.

410,094. INFANTS', CHILDREN'S, AND MISSES' SKI SUITS; MEN'S AND WOMEN'S RAINCOATS AND SPORT SUITS. NEW ENGLAND MACKINTOSH CO., INC., Framingham, Mass.
Filed May 22, 1944. Serial No. 470,509. PUBLISHED AUGUST 15, 1944. Class 39.

410,095. MEDICINAL PREPARATION FOR HUMAN USE IN THE ALLEVIATION OF HEADACHE, RHEUMATISM, COLDS, NEURALGIA, INFLUENZA, AND KINDRED AILMENTS. PHENSIC LIMITED, London, England.
Filed May 22, 1944. Serial No. 470,511. PUBLISHED AUGUST 22, 1944. Class 6.

410,096. LADIES' SLIPS. SOL FRIEDMAN & SONS, New York, N. Y.
Filed May 23, 1944. Serial No. 470,529. PUBLISHED AUGUST 8, 1944. Class 39.

410,097. CHEMICAL COMPOSITION FOR REPAIRING AND SEALING CRACKED VALVE PORTS, CYLINDER BLOCKS, WATER JACKETS, ETC. SURE-RITE PRODUCTS COMPANY, Philadelphia, Pa.
Filed May 23, 1944. Serial No. 470,546. PUBLISHED AUGUST 22, 1944. Class 6.

410,098. BEER. EAST IDAHO BREWING, INC., Pocatello, Idaho.
Filed May 24, 1944. Serial No. 470,568. PUBLISHED AUGUST 29, 1944. Class 48.

410,099. PUBLICATIONS CONTAINING ILLUSTRATIONS OF WORKS OF ART, ISSUED PERIODICALLY APPROXIMATELY ONCE EVERY THREE TO FOUR YEARS AND DISTRIBUTED AT IRREGULAR INTERVALS THEREAFTER. MEAD JOHNSON & COMPANY, Evansville, Ind.
Filed May 24, 1944. Serial No. 470,578. PUBLISHED AUGUST 22, 1944. Class 38.

410,100. SYNTHETIC RESIN COMPOSITIONS IN THE FORM OF UNFINISHED CASTINGS AND MOLDINGS, AND IN THE FORM OF SHEETS, RODS, AND TUBES; AND PARTICULATE SOLIDS SUITABLE FOR MOLDING. MONSANTO CHEMICAL COMPANY, St. Louis, Mo.
Filed May 25, 1944. Serial No. 470,625. PUBLISHED AUGUST 29, 1944. Class 1.

410,101. SYNTHETIC RESIN COMPOSITIONS IN THE FORM OF UNFINISHED CASTINGS AND MOLDINGS, AND IN THE FORM OF SHEETS, RODS, AND TUBES; AND PARTICULATE SOLIDS SUITABLE FOR MOLDING. MONSANTO CHEMICAL COMPANY, St. Louis, Mo.
Filed May 25, 1944. Serial No. 470,626. PUBLISHED AUGUST 29, 1944. Class 1.

410,102. PUBLICATION ISSUED PERIODICALLY. AMERICAN BRAKE SHOE COMPANY, New York, N. Y.
Filed May 26, 1944. Serial No. 470,646. PUBLISHED AUGUST 15, 1944. Class 38.

410,103. PUBLICATION ISSUED PERIODICALLY. AMERICAN BRAKE SHOE COMPANY, New York, N. Y.
Filed May 26, 1944. Serial No. 470,647. PUBLISHED AUGUST 15, 1944. Class 38.

410,104. PUBLICATION ISSUED PERIODICALLY. AMERICAN BRAKE SHOE COMPANY, New York, N. Y.
Filed May 26, 1944. Serial No. 470,648. PUBLISHED AUGUST 15, 1944. Class 38.

410,105. BABY PANTS. RAND RUBBER COMPANY, Brooklyn, N. Y.
Filed May 26, 1944. Serial No. 470,677. PUBLISHED AUGUST 1, 1944. Class 39.

410,106. ORANGE JUICE, SYRUPS, EXTRACTS AND FLAVOR BASES FOR MAKING NONALCOHOLIC BEVERAGES. TOWNE TALK COMPANY, Los Angeles, Calif.
Filed May 26, 1944. Serial No. 470,690. PUBLISHED AUGUST 22, 1944. Class 45.

410,107. UMBRELLAS AND PARASOLS. GUSTAVE BERMAN, New York, N. Y.
Filed May 27, 1944. Serial No. 470,698. PUBLISHED AUGUST 8, 1944. Class 41.

410,108. HOUSEHOLD FURNITURE MADE PARTIALLY OR WHOLLY OF PLASTICS—NAMELY, BEDS, DRESSERS, TABLES, DRESSING AND VANITY TABLES, ETC. CAMDEN FURNITURE COMPANY, Camden, Ark.
Filed May 27, 1944. Serial No. 470,700. PUBLISHED AUGUST 29, 1944. Class 32.

410,109. HOUSEHOLD FURNITURE MADE PARTIALLY OR WHOLLY OF PLASTICS—NAMELY, BEDS, DRESSERS, TABLES, DRESSING AND VANITY TABLES, ETC. CAMDEN FURNITURE COMPANY, Camden, Ark.
Filed May 27, 1944. Serial No. 470,701. PUBLISHED AUGUST 29, 1944. Class 32.

410,110. PIGMENTED PENETRATING INKS. FLOQUIL PRODUCTS, INC., New York, N. Y.
Filed May 27, 1944. Serial No. 470,717. PUBLISHED AUGUST 29, 1944. Class 11.

410,111. RAINCOATS. PAUL G. GILLIAM, doing business as Country Boy Sales and R. E. Gilliam Sons Co., Hopkinsville, Ky.
Filed May 27, 1944. Serial No. 470,720. PUBLISHED AUGUST 1, 1944. Class 39.

410,112. OINTMENT FOR TREATING PILES. CORNELIA JONES, doing business as The Darnold Company, Chicago, Ill.
Filed May 27, 1944. Serial No. 470,724. PUBLISHED AUGUST 22, 1944. Class 6.

410,113. MAGAZINE PUBLISHED PERIODICALLY. REWL PUBLICATIONS, INC., New York, N. Y.
Filed May 27, 1944. Serial No. 470,736. PUBLISHED AUGUST 29, 1944. Class 38.

410,114. PERFUME AND COLOGNE. LUCRETIA VANDERBILT LT'D., New York, N. Y.
Filed May 29, 1944. Serial No. 470,780. PUBLISHED AUGUST 22, 1944. Class 6.

410,115. SPORT SHIRTS AND SPORT JACKETS. BEN FLIGEL CO., New York, N. Y.
Filed May 30, 1944. Serial No. 470,793. PUBLISHED AUGUST 15, 1944. Class 39.

410,116. SPORT JACKETS AND SNOW SUITS. BEN FLIGEL CO., New York, N. Y.
Filed May 30, 1944. Serial No. 470,794. PUBLISHED AUGUST 1, 1944. Class 39.

410,117. NONALCOHOLIC GRAPEFRUIT DRINK AND BASES AND SYRUPS AND EXTRACTS FOR MAKING SAME. THE SQUIRT COMPANY, Beverly Hills, Calif.
Filed May 30, 1944. Serial No. 470,807. PUBLISHED AUGUST 22, 1944. Class 45.

410,118. NONALCOHOLIC, NONCEREAL, MALTLESS CARBONATED BEVERAGES, SOLD AS SOFT DRINKS, AND SYRUPS, EXTRACTS, AND FLAVORS USED IN MAKING THE SAME. 20TH CENTURY BEVERAGE CO., Philadelphia, Pa.
Filed May 30, 1944. Serial No. 470,808. PUBLISHED AUGUST 22, 1944. Class 45.

410,119. NEWSPAPER OR PERIODICAL FEATURE PUBLISHED FROM TIME TO TIME. DR. WILLIAM J. FETZER, San Antonio, Tex.
Filed May 31, 1944. Serial No. 470,813. PUBLISHED AUGUST 15, 1944. Class 38.

410,120. TOBACCO POUCHES. DOVER HALL CO., INC., New York, N. Y.
Filed June 1, 1944. Serial No. 470,830. PUBLISHED AUGUST 29, 1944. Class 8.

410,121. WATER REPELLENT FINISH FOR TEXTILES. WARWICK CHEMICAL COMPANY, West Warwick, R. I.
Filed June 1, 1944. Serial No. 470,842. PUBLISHED AUGUST 22, 1944. Class 6.

410,122. HAIR TONIC. JOHN HORVATH, Wallington, N. J.
Filed June 2, 1944. Serial No. 470,854. PUBLISHED AUGUST 22, 1944. Class 6.

410,123. SECTIONAL FEATURE IN A PERIODICAL PUBLICATION. AMERICAN EDUCATION PRESS, INC., Columbus, Ohio.
Filed June 3, 1944. Serial No. 470,874. PUBLISHED AUGUST 15, 1944. Class 38.

410,124. SHAMPOO. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio.
Filed June 3, 1944. Serial No. 470,895. PUBLISHED AUGUST 22, 1944. Class 6.

410,125. WINES. AUSTIN, NICHOLS & CO., INCORPORATED, Brooklyn, N. Y.
Filed June 6, 1944. Serial No. 470,935. PUBLISHED AUGUST 22, 1944. Class 47.

410,126. WRITING PAPER. FOX RIVER PAPER CORPORATION, Appleton, Wis.
Filed June 6, 1944. Serial No. 470,942. PUBLISHED AUGUST 29, 1944. Class 37.

410,127. DISPLAY CABINETS. ADVERTISING NOVELTY MANUFACTURING CO., INC., Philadelphia, Pa.
Filed June 7, 1944. Serial No. 470,953. PUBLISHED AUGUST 29, 1944. Class 32.

410,128. ZINC OXIDE, ZINC SULPHIDE BASE PIGMENTS INCLUDING LITHOPONE AND ZINC SULPHIDE, ZINC TETROXY CHROMATE, AND ZINC BORATE FOR USE AS PAINT PIGMENTS. THE NEW JERSEY ZINC COMPANY, New York, N. Y.
Filed June 7, 1944. Serial No. 470,989. PUBLISHED AUGUST 29, 1944. Class 16.

410,129. LADIES' HANDBAGS, OF LEATHER, FABRIC, AND COMBINATIONS THEREOF. DANIEL RUBIN, doing business as Belt Modes, New York, N. Y.
Filed June 26, 1944. Serial No. 471,686. PUBLISHED AUGUST 29, 1944. Class 3.

410,130. WATCHES, CASED AND UNCASED. ALFRED WYLER, New York, N. Y.
Filed June 17, 1944. Serial No. 471,379. PUBLISHED AUGUST 29, 1944. Class 27.

410,131. WATCHES, CASED AND UNCASED. ALFRED WYLER, New York, N. Y.
Filed June 17, 1944. Serial No. 471,378. PUBLISHED AUGUST 29, 1944. Class 27.

410,132. PUBLICATION PUBLISHED QUARTERLY CONTAINING COMICS. THE PARENTS' INSTITUTE, INC., New York, N. Y.
Filed June 19, 1944. Serial No. 471,413. PUBLISHED AUGUST 22, 1944. Class 38.

410,133. PUBLICATION PUBLISHED QUARTERLY CONTAINING COMICS. THE PARENTS' INSTITUTE, INC., New York, N. Y.
Filed June 19, 1944. Serial No. 471,414. PUBLISHED AUGUST 22, 1944. Class 38.

410,134. CONTRIBUTIONS TO TRADE JOURNALS OR THE LIKE PUBLISHED FROM TIME TO TIME. ASHTON B. COLLINS, doing business as Reddy Kilowatt, Short Hills, N. J.
Filed June 20, 1944. Serial No. 471,443. PUBLISHED AUGUST 22, 1944. Class 38.

410,135. TOY SPINNING TOPS. THE LEDERER INDUSTRIES, INC., New York, N. Y.
Filed June 20, 1944. Serial No. 471,451. PUBLISHED AUGUST 29, 1944. Class 22.

410,136. WINES. BEN WATSTEIN, doing business as Guttenberg Wine Co., New York, N. Y., and Guttenberg, N. J.
Filed June 20, 1944. Serial No. 471,465. PUBLISHED AUGUST 22, 1944. Class 47.

410,137. CANVAS BABY SWINGS, TOY IRONING BOARDS, AND TOY BLOCK SETS. JONES-YOUNG MANUFACTURING CO., New York, N. Y.
Filed June 22, 1944. Serial No. 471,525. PUBLISHED AUGUST 29, 1944. Class 22.

410,138. MAGAZINE OR PUBLICATION. HILLMAN PERIODICALS, INC., New York, N. Y.
Filed June 24, 1944. Serial No. 471,606. PUBLISHED AUGUST 22, 1944. Class 38.

410,139. CHEESE. RUSHBROOK FARM PRODUCTS CO., New York, N. Y.
Filed June 24, 1944. Serial No. 471,633. PUBLISHED AUGUST 29, 1944. Class 46.

410,140. BOXES, CASES AND DISPLAY CONTAINERS MADE PRINCIPALLY OF PAPER BOX BOARD, LAMINATED PAPER BOARD, FIBRE BOARD OR OTHER LIKE MATERIAL. BEMISS-JASON CORPORATION, San Francisco, Calif.
Filed June 26, 1944. Serial No. 471,654. PUBLISHED AUGUST 22, 1944. Class 2.

410,141. COMPACTS MADE OF BASE METAL AND PLASTICS AND SOLD IN TRADE EMPTY. HARRY MORRIS ASSOCIATES, Chicago, Ill.
Filed June 26, 1944. Serial No. 471,677. PUBLISHED AUGUST 29, 1944. Class 2.

410,142. HOSIERY. REAL SILK HOSIERY MILLS, INC., Indianapolis, Ind.
Filed June 8, 1944. Serial No. 471,049. PUBLISHED AUGUST 22, 1944. Class 39.

410,143. VARNISH. MCDOUGALL-BUTLER CO., INC., Buffalo, N. Y.
Filed June 9, 1944. Serial No. 471,093. PUBLISHED AUGUST 29, 1944. Class 16.

410,144. HOSIERY. MOCK, JUDSON VOEHRINGER COMPANY, INC., Long Island City, N. Y.
Filed June 9, 1944. Serial No. 471,095. PUBLISHED AUGUST 8, 1944. Class 39.

410,145. DIAMONDS. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed June 9, 1944. Serial No. 471,104. PUBLISHED AUGUST 29, 1944. Class 28.

410,146. CHILDREN'S AND JUNIORS', MISSES', AND INFANTS' COATS AND SUITS. MORRIS WEINSTEIN, New York, N. Y.
Filed June 9, 1944. Serial No. 471,110. PUBLISHED AUGUST 29, 1944. Class 39.

410,147. WATCHES. EMIL LEICHTER, New York, N. Y.
Filed June 17, 1944. Serial No. 471,350. PUBLISHED AUGUST 29, 1944. Class 27.

410,148. FRESH VEGETABLES—NAMELY, FRESH LETTUCE. FARLEY FRUIT COMPANY, Salinas, Calif.
Filed June 12, 1944. Serial No. 471,153. PUBLISHED AUGUST 29, 1944. Class 46.

410,149. PUBLICATION ISSUED PERIODICALLY AND CONTAINING INFORMATION AS TO WHERE CERTAIN WEARING APPAREL AND OTHER ARTICLES MAY BE PURCHASED. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed June 14, 1944. Serial No. 471,207. PUBLISHED AUGUST 29, 1944. Class 38.

410,150. BOYS' OVERALLS, JUMPERS, SUITS, COATS, AND SHIRTS. SUNNYTOWN TOGS, INC., Casselberry and Fern Park, Fla.
Filed June 14, 1944. Serial No. 471,238. PUBLISHED AUGUST 29, 1944. Class 39.

410,151. MEN'S AND BOYS' JACKETS. GRAYLEIGH SPORTSWEAR CO., Chicago, Ill.
Filed June 15, 1944. Serial No. 471,258. PUBLISHED AUGUST 29, 1944. Class 39.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

410,152. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) SCOTT AVIATION CORPORATION, Lancaster, N. Y. Filed July 13, 1942. Serial No. 454,203.

Scott AVIATION CORPORATION

FOR METAL GAS MANIFOLDS, PIPE, PIPE FITTINGS, LINE VALVES AND PRESSURE REGULATING VALVES FOR USE IN ASSEMBLING OXYGEN RESUSCITATORS.
Claims use since Mar. 26, 1942.

410,153. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WESTGATE SEA PRODUCTS COMPANY, San Diego, Calif. Filed Nov. 25, 1942. Serial No. 457,058. The applicant is the owner of Registration No. 394,388, dated Mar. 31, 1942.

BREAST O'

FOR CANNED TUNA FISH.
Claims use since Oct. 13, 1942.

410,154. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) WEAVER PRES-KLOTH COMPANY, Omaha, Nebr. Filed July 23, 1943. Serial No. 462,270.

PRES MIT

FOR GARMENT PRESSING PAD.
Claims use since July 1, 1943.

410,155. (CLASS 39. CLOTHING.) LAROS TEXTILES COMPANY, Bethlehem, Pa. Filed Aug. 20, 1943. Serial No. 462,884.

No-Ryde

FOR LADIES' UNDERGARMENTS—NAMELY, KNIT UNDERWEAR, WOVEN UNDERWEAR, PANTIES, SLIPS, ROBES, GOWNS, PAJAMAS, BRASSIÈRES AND GIRDLES.
Claims use since July 27, 1943.

410,156. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NORTHWEST AUTOMATIC CANDY CORPORATION, Seattle, Wash. Filed Sept. 6, 1943. Serial No. 463,250.



FOR CANDY.
Claims use since July 15, 1943.

410,157. (CLASS 39. CLOTHING.) EDWARD BLAU, doing business as Bette Green Frocks, New York, N. Y. Filed Oct. 30, 1943. Serial No. 464,538.

Bette Green

FOR WOMEN'S, MISSES' AND JUNIORS' DRESSES.
Claims use since Feb. 15, 1943.

410,158. (CLASS 12. CONSTRUCTION MATERIALS.) THE SEAL-TITE COMPANY, Dayton, Ohio. Filed Oct. 30, 1943. Serial No. 464,552.



FOR COMBINATION SCREEN AND STORM WINDOWS.
Claims use since Sept. 30, 1943.

410,159. (CLASS 39. CLOTHING.) I. SCHNEIERSON & SONS, INC., New York, N. Y. Filed Nov. 15, 1943. Serial No. 465,011.

Sleep-or-PLAY

FOR LADIES' AND CHILDREN'S PAJAMAS.
Claims use since Sept. 1, 1943.

410,160. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WATSONVILLE EXCHANGE INC., Watsonville, Calif. Filed Dec. 14, 1943. Serial No. 465,769.

SUN-GROWN

FOR FRESH DECIDUOUS FRUITS AND FRESH VEGETABLES—NAMELY, FRESH LETTUCE.
Claims use since Aug. 19, 1923.

410,161. (CLASS 6. CHEMICALS, MEDICINES AND PHARMACEUTICAL PREPARATIONS.) WHITTAKER LABORATORIES, INC., New York, N. Y. Filed Jan. 24, 1944. Serial No. 466,855.

COOPER

FOR CREAM-LIKE SPERMICIDAL PREPARATIONS.
Claims use since Nov. 1, 1934.

410,162. (CLASS 12. CONSTRUCTION MATERIALS.) PECORA PAINT COMPANY, Philadelphia, Pa. Filed Feb. 26, 1944. Serial No. 467,789.

WEATHERCALK

FOR CALKING COMPOUND.
Claims use since Jan. 1, 1943.

410,163. (CLASS 2. RECEPTACLES.) B. S. WOLFF, Newark, N. J. Filed Apr. 1, 1944. Serial No. 468,933.

"PACKETTE"

FOR GARBAGE CANS, TRASH CANS, AND WASTE PAPER BASKETS MADE OF PLASTIC, CARDBOARD, OR TIN, OR OF ANY COMBINATION THEREOF; AND PAPER BAGS.
Claims use since Sept. 15, 1943.

410,164. (CLASS 12. CONSTRUCTION MATERIALS.) AMERICAN ISTEG STEEL CORPORATION, New York, N. Y. Filed Apr. 26, 1944. Serial No. 469,665.

WEBRIB

FOR STEEL CONCRETE REINFORCING BARS.
Claims use since Feb. 5, 1943.

410,165. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) CHARLES WEINBERG, doing business as Fairfield Mfg. Co., New York, N. Y. Filed May 26, 1944. Serial No.470,692.

"KOREKT"

The drawing is lined for blue.
FOR CLOTH STRAINERS FOR GLASS COFFEE MAKERS.
Claims use since Aug. 1, 1938.

410,166. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) SCHERL & ROTH, INC., Cleveland, Ohio. Filed June 8, 1944. Serial No. 471,052.

PIRASTRO

FOR VIOLINS, GUITARS, MANDOLINS, HARPS, AND STRINGS FOR SAID INSTRUMENTS.
Claims use since May 1, 1943.

410,167. (CLASS 39. CLOTHING.) JOEL ISAACS SHIRT Co., New York, N. Y. Filed June 20, 1944. Serial No. 471,450.

"JOCK" MacKENZIE

FOR OUTER SHIRTS FOR MEN.
Claims use since July 5, 1940.

410,168. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) CORALITE DENTAL PRODUCTS COMPANY, Chicago, Ill. Filed June 21, 1944. Serial No. 471,469.

CUSH-N-LINER

FOR DENTAL MATERIALS OF PLASTIC COMPOSITION FOR LINING, RELINING, REBASING, OR CORRECTING, FULL AND PARTIAL ARTIFICIAL DENTURES.
Claims use since Sept. 20, 1943.

410,169. (CLASS 32. FURNITURE AND UPHOLSTERY.) MAURICE KLISTO, doing business as Paramount Picture Frame Company, New York, N. Y. Filed June 22, 1944. Serial No. 471,527.

Paramount Picture Frame Co.

The drawing is lined for shading only.
FOR PHOTOGRAPH AND PICTURE FRAMES, ODD TABLES, AND FRAMED AND UNFRAMED MIRRORS.
Claims use since Mar. 1, 1943.

410,170. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHARLES H. HOWE, doing business as Modern Foods Alliance, Los Angeles, Calif. Filed July 10, 1944. Serial No. 472,065.

Food Tone

FOR PREPARED SEASONING OF VEGETABLE PROTEIN DERIVATIVES FOR FOODS.
Claims use since January 1932.

410,171. (CLASS 39. CLOTHING.) JOEL ISAACS SHIRT Co., New York, N. Y. Filed July 10, 1944. Serial No. 472,067.

Argentine

FOR OUTER SHIRTS.
Claims use since May 5, 1936.

410,172. (CLASS 37. PAPER AND STATIONERY.) ROCKMONT ENVELOPE COMPANY, Denver, Colo. Filed Aug. 1, 1944. Serial No. 472,820.

HANDIPAK

FOR PACKETS OF ENVELOPES AND WRITING PAPER.
Claims use since Aug. 7, 1942.

410,173. (CLASS 2. RECEPTACLES.) COLUMBIAN STEEL TANK COMPANY, Kansas City, Mo. Filed Sept. 15, 1944. Serial No. 474,230.

RED BOTTOM

FOR SHEET METAL TANKS.
Claims use since Mar. 1, 1922.

410,174. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) AMERICAN HANDBAGS, INC., New York, N. Y. Filed Sept. 18, 1944. Serial No. 474,314.

AMERICAN HANDBAGS

FOR LADIES' AND CHILDREN'S HANDBAGS OF LEATHER, FABRICOID, FABRIC, PLASTIC MATERIALS AND COMBINATIONS THEREOF.
Claims use since May 1, 1940.

TRADE-MARK REGISTRATIONS RENEWED

25,266. **McLIN'S KOLATONA.** BEVERAGES, MEDICINES, CHEWING GUM, DIETETIC PASTE OR POWDER, AND CONFECTIONERY. Registered September 25, 1894. GEORGE H. McLIN. Re-renewed September 25, 1944, to DeForest McLin, Huntington, Ind., successor.

189,583. **"PIONEER" AND DRAWING.** COFFEE. Registered September 23, 1924. PIONEER COFFEE COMPANY, Moorhead, Minn., a corporation of Minnesota. Renewed September 23, 1944.

189,742. **"GREENPOINT" AND DESIGN.** BEDSTEADS. Registered September 23, 1924. GREENPOINT METALLIC BED CO., INC., Brooklyn, N. Y. Renewed September 23, 1944, to Greenpoint Metallic Bed Co. Inc., New York, N. Y., a corporation of New York.

189,992. **TRIPLE-X.** MONTHLY PUBLICATION. Registered September 30, 1924. FAWCETT PUBLICATIONS, Robbinsdale, Minn. Renewed September 30, 1944, to Fawcett Publications, Inc., Greenwich, Conn., a corporation of Delaware, successor.

190,244. **"GRIDLEY" AND DRAWING.** METAL-WORKING MACHINES AND TOOLS—NAMELY, SCREW MACHINES, LATHES, NUT AND BOLT MACHINES, THREAD-CUTTING TOOLS, DRILLS AND DRILLING TOOLS, BOX TOOLS, SHAVING TOOLS, NURLING TOOLS, CUTTING TOOLS, FORMING TOOLS, CUTTING-OFF TOOLS, AND SHAPING TOOLS. Registered October 7, 1924. THE NATIONAL ACME COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed October 7, 1944.

190,815. **"THE THERMODOME, ETC." AND DESIGN.** FIRELESS COOKER ATTACHMENTS FOR COOKING RANGES. Registered October 28, 1924. CHAMBERS MANUFACTURING COMPANY. Renewed October 28, 1944, to Chambers Corporation, Shelbyville, Ind., a corporation of Indiana, successor.

191,303. **NEWSHAM.** PRINTED FORMS—NAMELY, COMBINATION BILL FORMS USED IN HANDLING INSURANCE. Registered November 4, 1924. NEWSHAM INSURANCE SYSTEM CO., San Francisco, Calif. Renewed November 4, 1944, to Rupert C. Fox, doing business as Newsham Insurance System Co., Berkeley, Calif., successor.

191,345. **ELECTRO-KOLD.** REFRIGERATING MACHINERY. Registered November 4, 1924. ENTERPRISE MANUFACTURING COMPANY. Renewed November 4, 1944, to E. S. Matthews, Inc., Spokane, Wash., a corporation of Washington, successor.

191,919. **HEURE BLEUE.** PERFUMES. Registered November 25, 1924. SOCIETE GUERLAIN, Paris, France. Renewed November 25, 1944, to The Guerlain Perfumery Corporation, Wilmington, Del., and New York, N. Y., a corporation of Delaware.

192,240. **KAY-WHITE.** CARAMEL PASTE, NOUGAT CREAM, MARSHMALLOW TOPPING, CAKE ICINGS, FUDGE DRESSINGS AND SUNDAE DRESSINGS. Registered December 2, 1924. KAY-WHITE PRODUCTS, INC. Renewed December 2, 1944, to Star Kay White, New York, N. Y., a partnership, assignee by mesne assignments.

192,315. **GENOTHALMIC.** CHAIRS AND CABINETS USED IN THE PRACTICE OF OPHTHALMOLOGY. Registered December 2, 1924. GENERAL OPTICAL COMPANY, INC., Mount Vernon, N. Y., a corporation of New York. Renewed December 2, 1944.

192,374. **DAGENITE.** STORAGE-BATTERY AND ACID-PROOF BOXES, CASES, WASHERS, BUSHES, PLUGS, AND FITTINGS MADE FROM ELECTRICAL INSULATING COMPOUNDS CONTAINING BITUMEN AND LIKE SUBSTANCES OR SUBSTITUTES THEREFOR. Registered December 2, 1924. PRITCHETT & GOLD AND E. P. S. COMPANY LIMITED, London, England, a registered company of Great Britain. Renewed December 2, 1944.

192,772. **GUERLAIN.** SOAPS. Registered December 9, 1924. GUERLAIN PERFUMERY CORPORATION, Wilmington, Del. Renewed December 9, 1944, to The Guerlain Perfumery Corporation, Wilmington, Del., and New York, N. Y., a corporation of Delaware.

193,391. **GUERLAIN.** PERFUMES, EAU DE COLOGNE, TOILET WATERS, BATH SALTS, FACE CREAM; FACE, TALCUM, AND BATH POWDERS, LOOSE AND IN COMPACT FORM; HAIR TONICS, MOUTH WASHES, ROUGES, AND PERFUMES FOR PERFUME BURNERS, TOOTH PASTES, AND TOOTH POWDERS. Registered December 30, 1924. GUERLAIN PERFUMERY CORPORATION, Wilmington, Del. Renewed December 30, 1944, to The Guerlain Perfumery Corporation, Wilmington, Del., and New York, N. Y., a corporation of Delaware.

193,700. **"LB" AND DESIGN.** EYE WASH AND SALVE. Registered January 6, 1925. THE LEWIS DRUG COMPANY, Marianna, Fla. Renewed January 6, 1945, to Lewis Drug Company, Montgomery, Ala., a partnership, assignee by mesne assignments.

193,855. **ORTOSAN.** COSMETIC CREAMS, COSMETIC LOTIONS, AND COSMETIC POWDERS. Registered January 6, 1925. OLGA LOUISE ARLEN, New York, N. Y. Renewed January 6, 1945.

193,941. **INDEX-TANEOUS.** BLANK, PARTIALLY-PRINTED, AND GUIDE CARDS FOR INDEXES, AND INDEXES CONSISTING OF BLANK OR PARTIALLY-PRINTED CARDS AND GUIDE CARDS, AND TRAYS, DRAWERS, FRAMES, AND HOLDERS THEREFOR. Registered January 13, 1925. LIBRARY BUREAU, Cambridge, Mass. Renewed January 13, 1945, to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware, assignee by mesne assignments.

193,942. **SPEEDAC.** BLANK, PARTIALLY PRINTED, AND GUIDE CARDS FOR INDEXES, AND INDEXES CONSISTING OF BLANK OR PARTIALLY-PRINTED CARDS AND GUIDE CARDS, AND TRAYS, DRAWERS, FRAMES, AND HOLDERS THEREFOR. Registered January 13, 1925. LIBRARY BUREAU, Cambridge, Mass. Renewed January 13, 1945, to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware, assignee by mesne assignments.

194,011. **SPHINX.** DRY AND LIQUID ADHESIVES. Registered January 13, 1925. THE ARABOL MF'G CO., New York, N. Y., a corporation of New York. Renewed January 13, 1945.

194,029. **MELODY.** EVAPORATED MILK. Registered January 13, 1925. AMBOY MILK PRODUCTS CO., Amboy, Ill., a corporation of Illinois. Renewed January 13, 1945.

194,095. **HIGHLAND.** MAPLE SAP SIRUP. Registered January 13, 1925. CARY MAPLE SUGAR CO. Renewed January 13, 1945, to Cary Maple Sugar Company, Inc., St. Johnsbury, Vt., a corporation of Delaware, assignee.

194,116. **REPRESENTATION OF A CIRCULAR DESIGN.** REFINED, SEMIREFINED, AND UNREFINED OILS MADE FROM PETROLEUM, BOTH WITH AND WITHOUT ADMIXTURE OF ANIMAL, VEGETABLE, OR MINERAL OILS, FOR ILLUMINATING, BURNING, POWER, FUEL, AND LUBRICATING PURPOSES, AND LUBRICATING GREASES. Registered January 13, 1925. STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J. Renewed January 13, 1945, to Standard Oil Company of New Jersey, Wilmington Del., a corporation of Delaware, assignee.

194,404. **"MILWAUKEE KING" AND DESIGN.** BOOTS AND SHOES MADE WHOLLY OR IN PART OF LEATHER. Registered January 27, 1925. EDWARD A. LUEDKE SHOE CO. Renewed January 27, 1945, to Milwaukee Shoe Company, Milwaukee, Wis., a corporation of Wisconsin, assignee.

194,405. **"MILWAUKEE KING", ETC. AND DESIGN.** BOOTS AND SHOES MADE WHOLLY OR IN PART OF LEATHER. Registered January 27, 1925. EDWARD A. LUEDKE SHOE CO. Renewed January 27, 1945, to Milwaukee Shoe Company, Milwaukee, Wis., a corporation of Wisconsin, assignee.

194,431. **THE FORMALITY.** MEN'S SUITS, INCLUDING COATS, VESTS, TROUSERS, DRESS SUITS, OVERCOATS, RAINCOATS, SWEATERS AND JACKETS. Registered January 27, 1925. JOHN DAVID. Renewed January 27, 1945, to John David, Inc., New York, N. Y., a corporation of New York, by change of name.

194,804. **AMCO.** ADHESIVES IN POWDER AND LIQUID FORM. Registered February 10, 1925. THE ARABOL MF'G CO., New York, N. Y., a corporation of New York. Renewed February 10, 1945.

194,805. **CRYSTOL.** VEGETABLE ADHESIVES HAVING A CEREAL BASE. Registered February 10, 1925. THE ARABOL MF'G CO., New York, N. Y., a corporation of New York. Renewed February 10, 1945.

194,821. **LION.** FISH GAFFS. Registered February 10, 1925. OLOF A. NORLUND, doing business as O. A. Norlund Co. Renewed February 10, 1945, to O. A. Norlund Company Inc., Williamsport, Pa., a corporation of Pennsylvania, successor.

194,842. **THE FOUNTAIN OF HAPPINESS.** NONALCOHOLIC, MALTLESS BEVERAGE SOLD AS A SOFT DRINK AND SIRUPS FOR MAKING THE SAME. Registered February 10, 1925. HAPPINESS CANDY STORES INC., Wilmington, Del., and Long Island City, N. Y. Renewed February 10, 1945, to Loft Candy Corporation, Long Island City, N. Y., a corporation of New York, assignee by mesne assignments.

195,069. **"MERCOTONE FLAT" AND DESIGN.** INTERIOR AND EXTERIOR READY-MIXED PAINT. Registered February 17, 1925. M. J. MERKIN PAINT CO., INC., New York, N. Y., a corporation of New York. Renewed February 17, 1945.

195,083. **LB.** INDEX CARDS, PRINTED AND PARTIALLY-PRINTED FORMS, RECORD CARDS, GUIDE CARDS, AND CONTAINERS FOR SUCH CARDS AND FORMS, CARD LEDGERS AND CARDS AND GUIDES THEREFOR, FOLDERS AND FASTENERS THEREFOR, LABEL STRIPS, REQUISITION STRIPS, AND PUNCHES FOR CARDS AND GUIDES. Registered February 17, 1925. LIBRARY BUREAU, Cambridge, Mass. Renewed February 17, 1945, to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware, assignee by mesne assignments.

195,241. **AUTOMATIC.** INDEXES AND PARTS THEREOF. Registered February 17, 1925. LIBRARY BUREAU, Cambridge, Mass. Renewed February 17, 1945, to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware, assignee by mesne assignments.

195,245. **KO-KO-LEM.** SOAP. Registered February 17, 1925. LOS ANGELES SOAP COMPANY, Los Angeles, Calif., a corporation of California. Renewed February 17, 1945.

195,263. **CRYSTALOID.** INDEXES AND PARTS THEREOF. Registered February 17, 1925. LIBRARY BUREAU, Cambridge, Mass. Renewed February 17, 1945, to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware, assignee by mesne assignments.

195,375. **REPRESENTATION OF A HARE.** HOSPITAL AND INSTITUTIONAL GARMENTS—NAMELY, OPERATING GOWNS, OPERATING-ROOM SHOES, OPERATING SUITS, ORDERLY SUITS, INTERNE SUITS, PHYSICIAN'S BLOUSES, CONVALESCENT SUITS, LABORATORY COATS, VISITORS' CAPES, BED GOWNS, INFANTS' GOWNS, MATERNITY JACKETS, PYJAMAS, PNEUMONIA JACKETS, PATIENTS' BATH ROBES, SLIP-OVER GOWNS, AND OTHER CERTAIN NAMED GARMENTS. Registered February 24, 1925. HARON MANUFACTURING COMPANY, INC., New York, N. Y., a corporation of New York. Renewed February 24, 1945.

195,382. **FIXED FOCUS.** ELECTRICAL INCANDESCENT LAMPS. Registered February 24, 1925. MINIATURE INCANDESCENT LAMP CORPORATION, now by change of name Tung-Sol Lamp Works. Renewed February 24, 1945, to Tung-Sol Lamp Works, Inc., Newark, N. J., a corporation of Delaware, assignee.

195,435. **LOFTYPOPS.** CANDIES. Registered February 24, 1925. LOFT, INC., New York, N. Y. Renewed February 24, 1945, to Loft Candy Corporation, Long Island City, N. Y., a corporation of New York, assignee.

195,544. **THERMO-VENTO.** DRYING MACHINES FOR USE IN DRY-CLEANING PLANTS, LAUNDRIES, ETC. Registered February 24, 1925. THE AMERICAN LAUNDRY MACHINERY COMPANY, Norwood Station, Cincinnati, Ohio, a corporation of Ohio. Renewed February 24, 1945.

195,586. **MARILLYN CREPE.** SILKS AND CRÊPES IN THE PIECE. Registered February 24, 1925. KLEIN BROS. Renewed February 24, 1945, to Belding Heminway Company, New York, N. Y., a corporation of Connecticut, assignee.

195,604. **H. G.** CARBON PAPER. Registered February 24, 1925. REMINGTON TYPEWRITER COMPANY, Ilion and New York, N. Y. Renewed February 24, 1945, to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware, assignee.

195,691. **ELEKTROLUX.** ELECTRICALLY-DRIVEN VACUUM CLEANERS. Registered March 3, 1925. AKTIEBOLAGET ELEKTROLUX, Stockholm, Sweden. Renewed March 3, 1945, to Electrolux Corporation, Old Greenwich, Conn., a corporation of Delaware, assignee by mesne assignments.

195,713. **BULL DOG.** OPHTHALMIC MOUNTINGS AND PARTS THEREOF. Registered March 3, 1925. WILLSON GOGGLES, INC. Renewed March 3, 1945, to Willson Products, Inc., Reading, Pa., a corporation of Pennsylvania, by change of name.

195,834. **MERRILL.** HOSIERY. Registered March 3, 1925. MERRILL HOSIERY CO., INC., Hornell, N. Y., a corporation of New York. Renewed March 3, 1945.

195,973. **REPRESENTATION OF A RED AND WHITE COLORED TICKET.** APRON OVERALLS, WAIST OVERALLS, AND OVERALL SACK COATS. Registered March 10, 1925. SWEET-ORR & CO., INC., Wappingers Falls and New York, N. Y., a corporation of New York. Renewed March 10, 1945.

196,085. **"SUN-MAID BAKER" AND DRAWING.** DRIED RAISINS. Registered March 10, 1925. SUN-MAID RAISIN GROWERS OF CALIFORNIA, Fresno, Calif., an incorporated cooperative association of California. Renewed March 10, 1945.

196,186. **BAKERS' WEDNESDAY SPECIAL RAISINS.** DRIED RAISINS AND DRIED FRUITS. Registered March 10, 1925. SUN-MAID RAISIN GROWERS OF CALIFORNIA, Fresno, Calif., an incorporated cooperative association of California. Renewed March 10, 1945.

196,274. **PONGENE.** COTTON PIECE GOODS. Registered March 17, 1925. THE MILLVILLE MANUFACTURING COMPANY, Philadelphia, Pa., a corporation of New Jersey. Renewed March 17, 1945.

196,321. **ONEITART.** KNIT UNDERWEAR FOR WOMEN AND GIRLS. Registered March 17, 1925. ONEITA KNITTING MILLS, Utica, N. Y., a corporation of New York. Renewed March 17, 1945.

196,379. **PSYLLA.** LAXATIVE. Registered March 17, 1925. THE BATTLE CREEK FOOD COMPANY, Battle Creek, Mich., a corporation of Michigan. Renewed March 17, 1945.

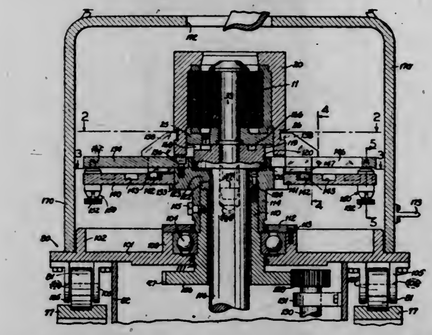
196,390. **LACTOPA.** TOOTH PASTE. Registered March 17, 1925. L. A. COLLINS & COMPANY, INC., Long Beach, Calif. Renewed March 17, 1945, to Lactona, Incorporated, St. Paul, Minn., a corporation of Minnesota, assignee by mesne assignments.

196,511. **BUDDIES.** MOUTH HARMONICAS. Registered March 17, 1925. M. HOHNER, INC., New York, N. Y., a corporation of New York. Renewed March 17, 1945.

PATENTS

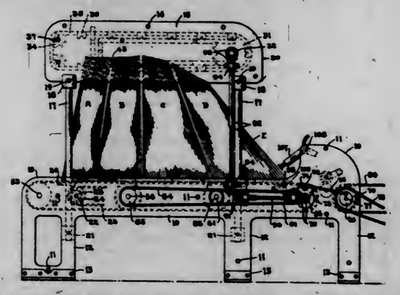
GRANTED NOVEMBER 7, 1944

2,361,906
CENTRIFUGAL APPARATUS
Gordon R. Anderson, Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill., a corporation of Illinois
Original application July 29, 1940, Serial No. 348,093. Divided and this application August 24, 1942, Serial No. 455,838
6 Claims. (Cl. 22—65)



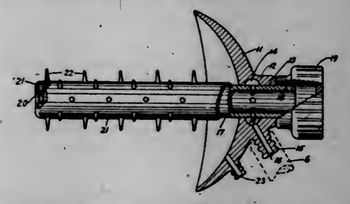
1. In apparatus for centrifugal processing, a rotatable table, a mold assembly arranged on the table, said mold including an arbor projecting therefrom, means for rotating the table, mold holding means carried by the table and including relatively displaceable cam plate means and mold-holding fingers, means actuated by displaceable movement of the cam plate means for actuating the holding fingers into and out of holding engagement with the mold, and means extending axially of a portion of the table rotating means, forming an axial socket located and arranged to coact with said projecting arbor of the mold, for centering the mold axially on the table.

2,361,907
SHEET FEEDING
Leonard Baker, Hillsdale, N. J., and George A. Martin, Pearl River, N. Y., assignors to Dexter Folder Company, Pearl River, N. Y., a corporation of New York
Application August 8, 1942, Serial No. 454,138
21 Claims. (Cl. 271—31)



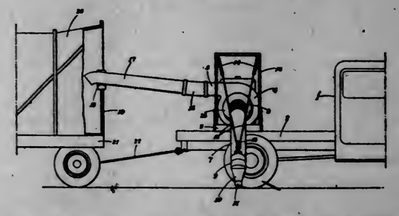
1. A sheet feeder comprising forwarding means operable upon a sheet presented thereto in an on-edge position inclined away therefrom; in combination with mechanism for initially receiving and supporting a sheet in an on-edge position inclined toward said sheet forwarders and for conveying the same toward, and presenting the same to, said forwarding means; said mechanism comprising means for reversing the inclination of said sheet after the same has been received in said mechanism and before being presented to said forwarding means.

2,361,908
SANITARY DOUCHE
George W. Bayers, Denver, Colo.
Application November 8, 1943, Serial No. 509,511
3 Claims. (Cl. 128—256)



1. A douche device comprising a shield having a concave inner surface, a tubular hub positioned substantially centrally thereof, an irrigator nozzle extending through the hub, the inner end of the nozzle being open and the outer end provided with a finger grip portion for rotating the same, the inner surface of the hub having a circumferential groove, and a tubular nipple projecting outwardly from the hub, the opening in the nipple being in communication with the groove, the wall of the nozzle having at least one opening communicating the interior thereof with the groove.

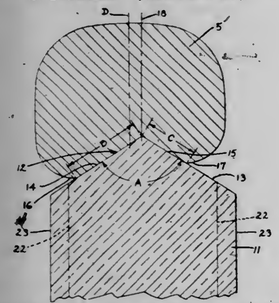
2,361,909
STREET CLEANER
Maurice V. Bernal, Merced, Calif., assignor of one-half to James Turner, Merced, Calif.
Application August 20, 1943, Serial No. 499,366
1 Claim. (Cl. 15—19)



In street cleaning apparatus which includes a supporting vehicle movable along the street, and a suction fan mounted on said vehicle; an intake conduit projecting from the fan laterally of the vehicle to an outer termination beyond one side thereof, said conduit extending at a downward incline and including a flexible portion intermediate its ends forming in effect a universal joint, a depending nozzle on the outer end of said conduit, a boom mounted on the vehicle and projecting laterally thereof in overhanging relation to

and some distance above said conduit, a pair of suspension units connected at their lower ends to the conduit outwardly of said flexible portion, said suspension units extending upwardly from the conduit in substantial divergence in a plane lengthwise of the vehicle, and being connected at their upper ends to the boom at relatively widely spaced points, and a tension spring interposed in each suspension unit.

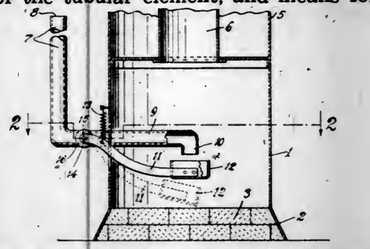
2,361,910
OPHTHALMIC MOUNTING
Daniel P. Bernheim, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application February 6, 1942, Serial No. 429,712
2 Claims. (Cl. 88—47)



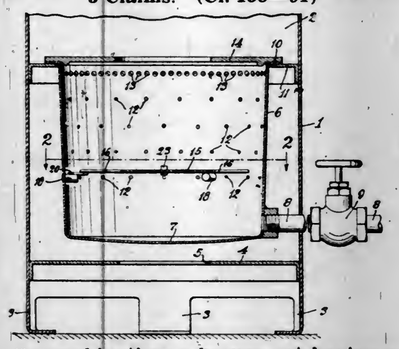
1. An ophthalmic mounting comprising a pair of lenses having beveled edges with the apices of the bevels being substantially centrally of the edges of said lenses and with the angles of said beveled surfaces on the opposed sides of a plane intersecting said apices being substantially equal, with the total angle between said surfaces being greater than a right angle and a frame support for said lenses, said frame support embodying a pair of continuous undivided lens rims for surrounding the lenses, said lens rims being formed of non-metallic expandable and contractible material having continuous beveled grooves therein with the angular relation of the walls of the grooves being substantially equal to the angular relation of the beveled edge surfaces of the lenses, the front beveled surfaces of the grooves being of a width less than the width of the adjacent surfaces of the lenses but of a width sufficient to cover at least approximately half of said adjacent beveled surfaces of the lenses and the rear beveled surfaces of the grooves being of a width to cover more than half of the adjacent edge surfaces of the lenses, with the thickness of the rims forwardly of the apieces of the grooves being greater than half of the thickness of the rims rearwardly of said apices and with the continuous inner edges of the front surfaces of the beveled grooves each being of a circumferential dimension which is greater than the circumferential dimension of the inner edges of the rear surfaces of the grooves.

2,361,911
LIQUID FUEL BURNER
James L. Breese, Santa Fe, N. Mex., assignor to Oil Devices, Santa Fe, N. Mex., a limited partnership of Illinois
Application June 16, 1941, Serial No. 398,294
10 Claims. (Cl. 158—91)

1. In combination, a closed combustion chamber, a flue extending therefrom, a tubular inlet passage element extending through the wall of the combustion chamber and extending generally horizontally a substantial distance into the chamber, said tubular element being spaced substantially above the bottom of the chamber and having a downwardly directed discharge end, means for delivering a controllable volume of liquid hydrocarbon to said tubular element in a volume substantially less than sufficient to fill the tubular element, the extension of the tubular element into the combustion chamber being sufficient to insure substantially complete vaporization of the liquid hydrocarbon prior to its reaching the discharge end of the tubular element, and means for admitting outside air for delivery through said tubular element in sufficient volume to support complete combustion within the chamber, of the mixture delivered from the tubular element, and means for controlling the inflow of liquid fuel to the tubular element, including a fuel receiving pan located in the combustion chamber and vertically aligned with the discharge end of the tubular element, and a valve element for said liquid fuel, and valve actuating means connecting said pan and said valve element and adapted, in response to a predetermined weight of fuel in said pan, to move said valve element toward closed position.

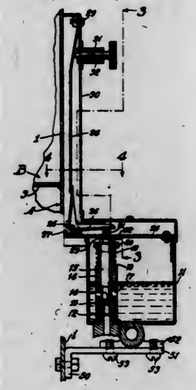


2,361,912
NOTCHED PILOT BAFFLE
James L. Breese, Santa Fe, N. Mex., assignor to Oil Devices, Santa Fe, N. Mex., a limited partnership of Illinois
Application November 14, 1941, Serial No. 419,121
3 Claims. (Cl. 158—91)



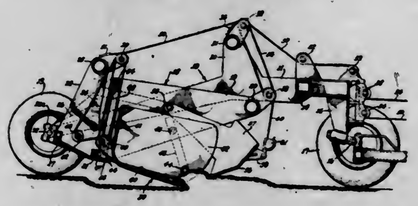
1. In combination, a burner pot having a circumferential generally cylindrical wall in which a plurality of air inlet apertures are located at various levels in the wall, said apertures being spaced circumferentially about the wall, means for supplying a liquid fuel to the lower portion of the pot, and a pilot plate supported intermediate the top and bottom of the pot, said plate including a solid portion extending from side to side of the pot, and having a cutaway portion extending inwardly from the periphery of the plate, the edges of said cutaway portion defining, with the opposed part of the pot wall, a communicating aperture between the space below the plate and the space above the plate, vertically aligned with the point of entry of the liquid fuel into the pot.

2,361,913
LIQUID FUEL CONTROL FOR HOT WATER HEATERS
James L. Breese, Santa Fe, N. Mex., assignor to Oil Devices, Santa Fe, N. Mex., a limited partnership of Illinois
Application June 26, 1942, Serial No. 448,664
4 Claims. (Cl. 236—33)



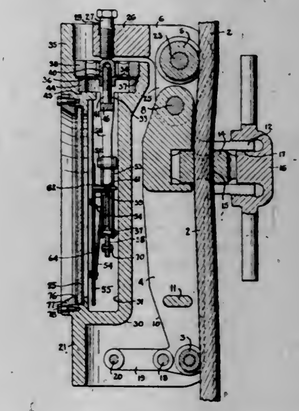
2. In a unitary liquid fuel control for a hot water heater having a generally upright water enclosing wall, a control unit and means for securing it as a unit to said wall, said unit including a float chamber, a liquid fuel pipe extending from the float chamber to a burner, a movable valve member adapted to control the flow of liquid through said fuel pipe, yielding means tending normally to move said valve member toward one limit of its movement, and means adapted to move said valve member against said yielding means in response to predetermined temperature conditions of the upright wall, including a bimetallic strip located generally vertically above the float chamber and in close proximity to the face of said upright wall.

2,361,914
CONTROL FOR HAULING SCRAPERS
Max M. Brodersen, Alhambra, Calif., assignor to The Slusser-McLean Scraper Company, Sidney, Ohio, a corporation of Ohio
Application March 21, 1941, Serial No. 384,534
11 Claims. (Cl. 37—126)



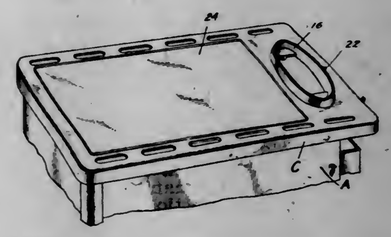
3. A scraper comprising a primary frame, a vertically movable secondary frame, a tiltable scraper bowl on said secondary frame, a closure for said bowl, pulleys on said primary and secondary frames, a cable interconnecting said bowl closure and bowl, said cable being passed over the pulleys so that the bowl closure may be controlled in one instance by the tilting of said bowl and in another instance by moving said secondary frame.

2,361,915
WEIGHT INDICATOR
Herbert Allen, Houston, Tex., assignor, by mesne assignments, to Cameron Iron Works, Inc.
Application December 23, 1940, Serial No. 371,254
9 Claims. (Cl. 73—144)



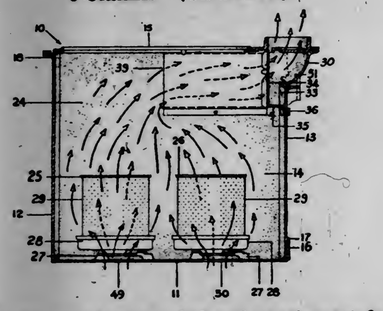
1. A weight indicator including a body, means movably carried thereon to receive and offset a weight carrying line, an elastic system carried by said body to yield upon the application of pressure to said elastic system, and means movable by said first named means as a function of the weight on said line to apply pressure to actuate said elastic system, said elastic system including an elastic beam, arms thereon and extending laterally therefrom at spaced points intermediate the ends of the beam to move with respect to each other upon flexure of said beam or spring, and an indicator device operable by said arms.

2,361,916
RANGE TOP STRUCTURE
Lawrence A. Althoff, Chicago, Ill.
Application July 23, 1941, Serial No. 403,672
5 Claims. (Cl. 126—211)



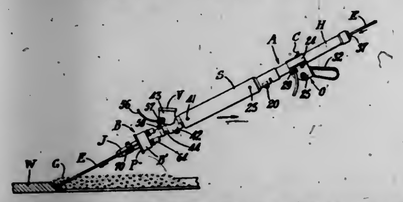
1. In a range structure of the character set forth, a frame structure, an inner top secured to said frame structure, an outer top removably received upon said inner top, and means spacing said inner top from said outer top to provide an insulating air space therebetween.

2,361,917
STOVE OR HEATER
Lawrence A. Althoff, Chicago, Ill.
Application October 25, 1941, Serial No. 416,454
6 Claims. (Cl. 126—1)



1. A stove or heater of the character set forth comprising a casing providing a combustion chamber, a plurality of burners in said chamber, an outlet flue extending from the casing, and means forming a passage extending substantially horizontally along the upper portion of the casing and having an outlet communicating with the flue and an inlet communicating with the chamber, said inlet being disposed above said burners and between the respective central portions of the same and being in communication with said burners through said chamber whereby gaseous combustion products from said burners pass from said chamber to said inlet and through said passage to the flue.

2,361,918
ELECTRIC WELDING APPARATUS
Albert W. Baird, Cranford, N. J., assignor to The Linde Air Products Company, a corporation of Ohio
Application December 18, 1942, Serial No. 469,395
5 Claims. (Cl. 314—57)



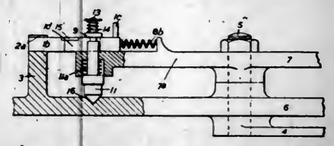
1. Welding rod feeding apparatus comprising, in combination, a tubular handle; a sleeve secured to said handle; a bus bar assembly secured to said sleeve; a member reciprocably mounted in said handle and adapted to receive a welding rod; a welding rod feeding mechanism slidably mounted in said sleeve and operatively associated with said member; manually operable means mounted on said handle and engaging said member, said means being operative to move said member and said mechanism in one direction; resilient means mounted in said sleeve and operative to move said mechanism and said member in the opposite direction; said mechanism, upon movement in one direction, being adapted to grip a welding rod and advance it toward the work to be welded, and, upon movement in the opposite direction, being adapted to move freely along said welding rod; and means restraining movement of said welding rod upon movement of said mechanism and said member in said opposite direction.

2,361,919
MEANS FOR SECURING PRINTING PLATES TO THEIR CYLINDERS
Howard M. Barber, Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I., a corporation of Delaware
Application November 13, 1941, Serial No. 418,941
4 Claims. (Cl. 101—378)



1. A plate cylinder having an annular series of spaced spiral grooves, imposed curved printing plates of predetermined circumferential lengths arranged around the cylinder with their adjacent straight unsecured edges close to each other, clamps adjustable along said spiral grooves for engaging the curved edges of the plates and serving as the only means for securing the plates to the cylinder, and means engaging the cylinder and the backs of the plates at equally spaced intervals around the cylinder irrespective of the circumferential lengths of the plates for positioning the plates and holding them against movement around the cylinder.

2,361,920
LOCKING MECHANISM FOR CONTROL GEARS
Guy Barrett, Market Harborough, England, assignor to Wycliffe Foundry & Engineering Co. Limited, Lutterworth, England, a company of Great Britain
Application June 9, 1943, Serial No. 490,224
In Great Britain June 15, 1942
11 Claims. (Cl. 74—565)



1. A locking mechanism comprising, in combination, a bolt which is divided longitudinally into a plurality of sections and formed with recesses, a pivoted handle upon which the bolt is slidably mounted, springs adapted normally to project the sections from said handle, a quadrant formed with a series of notches, said quadrant being arranged concentrically with respect to the pivot of the handle so as to enable the bolt to be brought into register with the notches respectively in consequence of step-by-step movement of the handle, means for withdrawing the sections from the notches against the spring action, a plunger housed in said handle, a spring for loading said plunger, a stop which is fitted on the latter and free to slide thereon so as to seat in the aforesaid recesses when the sections are withdrawn from a notch, a part on which the handle is mounted, said part being formed with cavities, pitched to correspond with the pitch of the notches for engagement by the plunger

for the purpose of holding the handle prior to movement when the sections are withdrawn, and tripping the stop when the handle is moved so that in the action of changing from one notch to another the sections successively enter the notch to be engaged in order to lock the handle from movement in either direction.

2,361,921
SAFETY RAZOR
Robert L. Albert, Arlington, Va.
Application July 28, 1943, Serial No. 496,470
7 Claims. (Cl. 30—50)

7. A safety razor including a body structure proportioned to be gripped by and held between fingers of the user, said structure including opposed pairs of movably connected blade-gripping elements positioned for holding opposed nonalining blades in converging planes with their



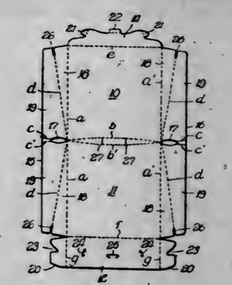
cutting edges supported between said pairs, two of said elements cooperating to provide guards at opposite sides of the edges for simultaneous wiping contact with a flat surface in a plane outside of the blades and extending across the cutting edges and parallel therewith.

2,361,922
METHOD OF PULVERIZING
Norwood H. Andrews, Moorestown, N. J., assignor to International Pulverizing Corporation, Moorestown, N. J., a corporation of New Jersey
No Drawing. Application June 17, 1942, Serial No. 447,437
2 Claims. (Cl. 83—94)

1. The method which includes: introducing a difficultly frangible, fibrous material of vegetable origin containing a desired active principle and particles of a relatively harder, different material capable of adsorbing or absorbing said principle into the open zone of an inclosed chamber; introducing a gas chemically inert at least to said active principle into said chamber from a plurality of points on, and at an acute angle to, the periphery thereof, under sufficient pressure to suspend said material in the gas and to create a re-entrant circulatory path for particles larger than about forty microns in size; and, exhausting from said chamber gas having entrained therein substantially only those particles which are below about forty microns in size.

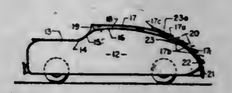
2,361,923
BOX
Edwin L. Arneson, Morris, Ill., assignor to Morris Paper Mills, Chicago, Ill., a corporation of Illinois
Application July 5, 1941, Serial No. 401,076
12 Claims. (Cl. 206—7)

1. A knock-down box comprising a unitary sheet of paper board shaped and creased to provide a pair of similar oppositely disposed side walls which are flexibly connected to each other at their top ends and foldable into acute-angular relationship to each other, lateral flaps flexibly connected to the side walls along opposite lateral margins thereof and foldable into angular relationship thereto to form end wall sections, portions of said lateral flaps of opposite side walls meeting each other between the side walls, a bottom section flexibly connected to the bottom end of one of the side walls and foldable to position



to form a bottom portion between the lower ends of the side walls, and lock flaps formed on the bottom section for interlocking with lower end portions of the meeting lateral flaps to retain them against swinging apart.

2,361,924
ATMOSPHERIC RESISTANCE EQUALIZING MEANS FOR MOVING VEHICLES
Alexander Boynton, San Antonio, Tex.
Application April 20, 1943, Serial No. 483,789
8 Claims. (Cl. 296—1)

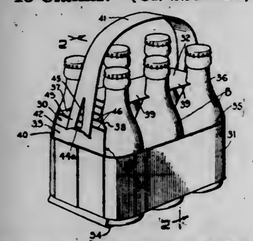


1. As an atmospheric pressure equalizing means for a vehicle having a windshield, a tonneau, and a top: a deflector hood on said top and spaced therefrom to form a pressure equalizing passage between said hood and top, said passage extending the length of said top, said hood having an extension forward of said windshield and intermediate discharge openings; deflector plates adapted to cooperate with said forward extension to force air through said passage as said vehicle moves forward; closure slides adapted to adjust the size of said discharge openings; a hinge in the rear portion of said deflector hood, said hood being in two parts joined by said hinge; and a door upon the rear portion of said hood and adapted to close an opening in said tonneau.

2,361,925
PREPARATION OF MANGANESE PRODUCTS
Herman A. Brassert, Washington, and James C. Hartley, Norwalk, Conn., assignors to Minerals and Metals Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application July 4, 1942, Serial No. 449,786
12 Claims. (Cl. 75—22)

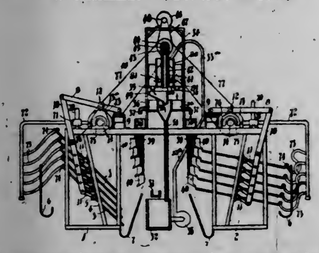
1. The method of preparing substantially pure manganese, comprising reducing manganese oxide in finely divided state to metallic manganese, forthwith directly compacting the finely divided metallic manganese only into dense tablets of predetermined weight while still in its freshly reduced condition and still retaining the residual heat from the reduction operation, and coating the tablets with a substantially impervious material which is inert with respect to the tablet material.

2,361,926
PACKAGE, CONTAINER, AND BLANK THEREFOR
Ernest M. Brogden, Orlando, Fla., assignor to President and Directors of the Manhattan Company (sometimes known as Bank of the Manhattan Company), trustee, New York, N. Y., a corporation of New York
Application November 12, 1938, Serial No. 240,169
13 Claims. (Cl. 229—52)



1. A display and carrying package for consumer units of merchandise comprising a prismatic merchandise group of columnar articles compactly arranged with their axes substantially parallel and a sheet material container snugly conforming to and confining the group comprising a body formed as a permanently continuous tube from one piece of stiff flexible sheet material and having an integral top section and a bottom section extending transversely of the longitudinal axes of said columnar articles and in such restraining engagement with opposite faces of the merchandise group as to prevent substantial movement of any such columnar article parallel to its axis, together with end sections connecting the ends of the top and bottom sections and in restraining engagement with opposite ends of the merchandise group, the body having open opposite sides; and band means extending across portions of said sides in confining engagement with the merchandise at said sides and engaging said end sections, the band means being spaced at said sides from the top section and movable to permit removal of articles without injuring the container.

2,361,927
CONCENTRATOR
Ronald Sydney Buckman, Kimberley, British Columbia, Canada, assignor to The Consolidated Mining and Smelting Company of Canada, Limited, Montreal, Quebec, Canada, a company of Canada
Application October 29, 1942, Serial No. 463,842
9 Claims. (Cl. 209—498)

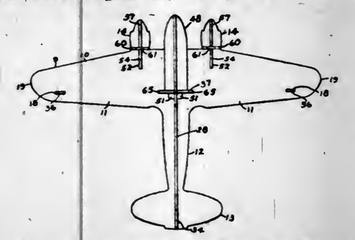


1. A concentrator apparatus comprising a plurality of concentrator units, each unit comprising a frame having superposed decks tiltable in a vertical plane mounted therein, a vertically-disposed feed distributor having a plurality of open outlets in the bottom thereof, the number of open outlets corresponding to the number of concentrator units included in said apparatus, means for continuously feeding ore pulp from a source of supply into said feed distributor, a feed hopper below each open outlet to feed ore pulp to the decks of a concentrator unit in communication therewith, and constantly rotating means between said open outlets and said feed hoppers for interrupting in sequence the flow of feed to each feed hopper, and means for tilting the decks of each concentrator unit to a discharging position during the interval the feed thereto is interrupted and for returning said decks to a feed receiving position at the termition of said interval.

2,361,928
SENSITIZED PHOTOGRAPHIC EMULSION
Burt H. Carroll and John Spence, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application December 4, 1942, Serial No. 467,900
16 Claims. (Cl. 95—7)

1. A photographic silver halide emulsion spectrally sensitized with a sensitizing dye selected from the group consisting of cyanine and merocyanine dyes, said emulsion containing, as a supersensitizer, a substance selected from the group consisting of esters of azine carboxylic acids and esters of 1-benzazine carboxylic acids.

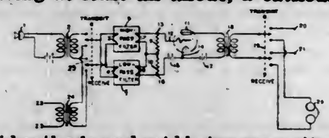
2,361,929
AIRPLANE VISUALIZING DEVICE
Luis de Florez, United States Navy
Application September 2, 1942, Serial No. 457,038
2 Claims. (Cl. 35—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An airplane visualizing device formed of flat sheet members and comprising horizontal members of irregular shape similar to the irregular outline of a top plan view of an airplane, vertical transverse members of irregular shape similar to the irregular outline of a front elevational view of said airplane, and vertical longitudinal members of irregular shape similar to the irregular outline of a side elevational view of said airplane, whereby said members when assembled simulate the appearance of an airplane corresponding to said view when observed from an angle for purposes of identification and comparison.

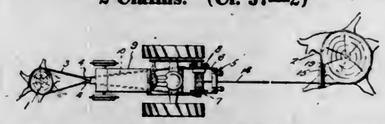
2,361,930
SPEECH GARBLING APPARATUS
Edward N. Dingley, Jr., Arlington, Va.
Application October 3, 1940, Serial No. 359,503
2 Claims. (Cl. 179—1.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. Speech garbling apparatus, comprising means for converting sound energy into correspondingly fluctuating electrical energy, a high pass and a low pass electric wave filter, the lower cut-off frequency of the former being substantially the same as the upper cut-off frequency of the latter, an impedance, means connecting one output terminal of each said filter to a respective terminal of said impedance, means connecting the other output terminal of each said filter to the center point of said impedance, a vacuum tube having at least an anode, a cathode and a



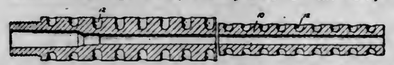
grid, said cathode and grid being respectively connected to opposite terminals of said impedance to apply potentials from said two filters to said tube in opposite phase, means to connect both said filters selectively to said converting means or to receive a signal wherein upper and lower frequency portions are present in opposite phase, and output means connected between said anode and said cathode.

2,361,931
METHOD OF CLEARING LAND OF TREES
Alfred W. Evans, Gloucester, Va.
Application December 30, 1942, Serial No. 470,619
2 Claims. (Cl. 37—2)



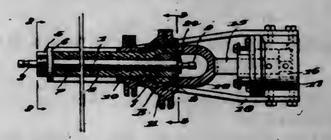
1. The method of pulling a tree comprising, arranging a cable system to provide a connection about an anchor tree in such manner that the pull of the cable system, when tensioned, is equally distributed on both sides of the anchor tree, and a connection about the tree to be pulled in such manner that the pull of the cable system, when tensioned, is tangential at one side only of the tree to be pulled, with means applied to the connection to prevent circumferential slippage of the connection about the tree to be pulled, and intercalating a winch freely in the line of force transmission through said cable system between said trees, whereby the points of attachment of said winch with the respective portions of the cable system between which said winch is interposed assume alignment with said cable system when tensioned.

2,361,932
GUN BARREL
Walter M. Fay, Ludlow, Mass.
Application June 13, 1941, Serial No. 397,942
1 Claim. (Cl. 89—14.1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



An integral gun barrel unit, the envelope of its extreme outer, longitudinal profile being substantially continuous, said barrel unit having numerous radially extending cup-shaped indentations of substantial depth and having inwardly curved bottoms distributed substantially throughout the entire body of the said barrel unit, the indentations terminating within the integral body of the barrel.

2,361,933
COMPRESSION APPARATUS FOR PRODUCING PIPE
John Feria, Camden, N. J.
Application November 20, 1940, Serial No. 366,480
1 Claim. (Cl. 25—30)



Apparatus for forming a pipe comprising a mandrel adapted to support a formed tube of asbestos cementitious material, a molding casing surrounding an end portion of the mandrel with a cavity spaced therefrom to form a bell collar on the formed tube and having a reduced portion in position to surround the formed tube adjacent an end thereof to confine the same, a sleeve slidably mounted on the mandrel for movement lengthwise thereof and constructed for entering and expanding said end portion of the tube, a plunger in position to bear against the sleeve to move the same lengthwise of the mandrel, a second plunger surrounding the first-mentioned plunger in position to bear against the expanded portion of the pipe to mold the same in the casing, and hydraulic power means connected with the plungers.

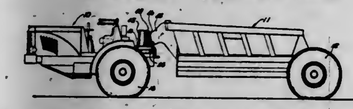
2,361,934
SERVO MECHANISM OF THE HYDRAULIC TYPE
Archibald Goodman Frazer-Nash, Tolworth, England
Application May 7, 1942, Serial No. 442,115
In Great Britain September 13, 1935
5 Claims. (Cl. 138—31)



1. Recuperator apparatus adapted for use with servo-mechanism of the hydraulic type comprising, in combination with a pressure liquid return line, a lower chamber into which said return line delivers the pressure liquid and from which said pressure liquid is exhausted, an upper chamber connected with said lower chamber by a liquid passage independent of the passage by which said pressure liquid is exhausted as aforesaid, a loaded plunger in said lower chamber which is elevated in response to accumulation of liquid therein, valve means for said passage controlled by movement of said plunger and adapted to be opened when the volume of liq-

uid in said lower chamber reaches a particular magnitude, whereby said liquid passes to said upper chamber, and auxiliary pump means for withdrawing liquid from said upper chamber and returning it to said lower chamber.

2,361,935
STEERING MECHANISM FOR TWO-WHEELED TRACTORS OR THE LIKE
Henry C. French, Elm Grove, Wis., assignor to The Heil Co., Milwaukee, Wis., a corporation of Wisconsin
Application December 26, 1942, Serial No. 470,259
11 Claims. (Cl. 280—33.1)

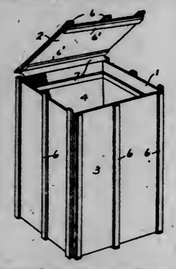


1. In combination, a pulling vehicle, a trailer vehicle, a fifth wheel for coupling said pulling vehicle and trailer vehicle, braking means embodied in said fifth wheel for normally preventing relative swinging movement between the two vehicles in either direction, means for causing steering movement of the pulling vehicle, and releasable mechanism included in said fifth wheel braking means to permit relative swinging movement between the two vehicles in a single selected direction while said braking means remains effective in the reverse direction.

2,361,936
PHOTOGRAPHIC MATERIALS AND PROCESS OF MANUFACTURING SAME
Béla Gáspár, Hollywood, Calif., assignor to Chromogen, Incorporated, a corporation of Nevada
No Drawing. Application July 19, 1940, Serial No. 346,436. In Great Britain July 20, 1939
8 Claims. (Cl. 95—7)

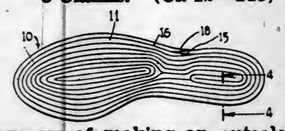
1. A photographic material including a light-sensitive layer comprising a light-sensitive silver salt dispersed in a binding agent, said binding agent being formed of water-insoluble film-forming substance which is soluble in organic solvents and non-swelling in water, said binding agent further comprising a cellulose derivative which is soluble in organic solvents and capable of swelling in water.

2,361,937
BOX
Clarence A. Gondert, Dayton, Ohio, assignor to Gondert & Lienesch, Inc., Dayton, Ohio, a corporation of Ohio
Application June 24, 1941, Serial No. 399,471
7 Claims. (Cl. 217—12)



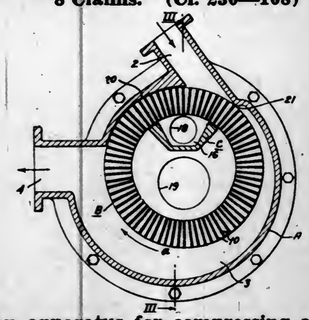
1. A crate assembly comprising a polygonal tubular body portion, flexible folds at the junctures of its sides enabling it to be collapsed to substantially flat compact form, exterior reinforcement cleats attached thereto and extending from end to end thereof, the cleats upon two opposite sides thereof terminating with the terminal margins of the body walls and those of the two opposite remaining sides extending limited distances therebeyond, integral closure heads for the tubular body, reinforcement cleats on the exterior faces of the heads disposed for nailing engagement with the cleats of the body portion when the closure heads are in closed relation, and extensible and contractible plaits of material projecting within the assembly when erected, flexibly connecting the closure heads and the body portion and enabling the closure heads to be reversely folded into parallel relation with a side wall of the body portion with a portion of a side wall structure therebetween when the assembly is collapsed.

2,361,938
METHOD OF MAKING OUTSOLES
Jon Gregg, Flemington, N. J., assignor to Lynne D. Gregg, Flemington, N. J.
Application July 5, 1941, Serial No. 401,179
3 Claims. (Cl. 12—146)



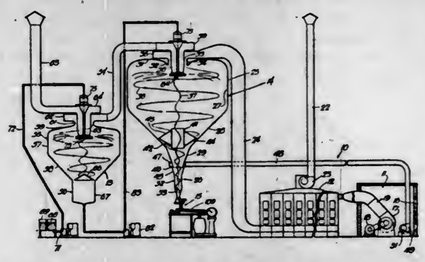
2. A process of making an outsole, consisting in forming an elongated strip of vulcanizable material in tacky condition, then pressing said strip to a side of an elongated strip of flexible material of a width equal to the thickness of the sole to be made, to cause the first strip to stick to the strip of flexible material, then winding said strips to form the general shape of an outsole, and then semi-curing the curable material.

2,361,939
APPARATUS FOR COMPRESSING GASES
Francis K. Gruss, Belvedere, Calif.
Application December 26, 1941, Serial No. 424,553
8 Claims. (Cl. 230—108)



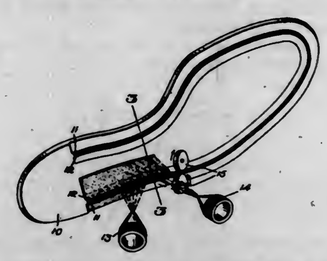
1. An apparatus for compressing a gas, comprising a rotor having a passage formed therein open at both ends, means for introducing a gas through one end of the passage at one position of the rotor, means for trapping the gas against removal at a second position of the rotor, means for introducing a second gas under pressure through the opposite end of the passage to compress and discharge the first gas from the passage at a third position of the rotor, and means for applying said first gas after compression to precompress the trapped gas to substantially the same pressure as the second named gas before introduction of the second named gas.

2,361,940
DEHYDRATING SYSTEM
Joseph M. Hall, Chicago, Ill., assignor to Drying & Concentrating Company, a corporation of Delaware
Application November 12, 1941, Serial No. 418,772
6 Claims. (Cl. 159—4)



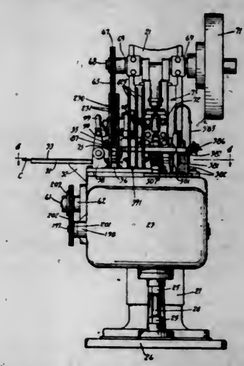
6. In a system for dehydrating a liquid product, a filter chamber, a heating chamber, a second stage dehydrator chamber, a first stage dehydrator chamber, a blower within said filter chamber, a motor within said filter chamber for operating said blower, conduits for connecting said chambers in series in the order named, means for causing the air from said blower to flow into and out of said dehydrator chambers in spirals, means for spraying a liquid product into the spirally moving air in said dehydrator chambers, a second blower in said filter chamber, means for conducting cool air from said second blower and for introducing the same in an annular stream rotating in the same direction as the outer spiral of the first-named air into the lower portion of said second stage dehydrator chamber for cooling said first-named air and for increasing its velocity.

2,361,941
REINFORCED INSOLE AND METHOD OF MAKING THE SAME
Raymond B. Harrison, Dover, N. H., assignor to Beckwith Manufacturing Company, Dover, N. H., a corporation of New Hampshire
Application October 17, 1942, Serial No. 462,378
5 Claims. (Cl. 36—22)



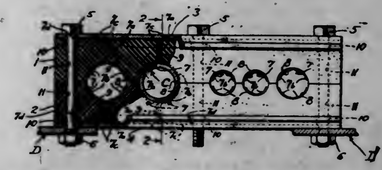
1. The process of making ribbed insoles which includes the steps of channeling a leather insole blank, turning up and cementing the channel lips in face to face contact to form a single upstanding rib, then applying a liquid resinous monomer continuously to the exposed surface of the rib and to the body of the insole at the base of the rib, and finally converting by polymerization the liquid coating in situ into a solid continuous sheet adhering closely and continuously to the rib and body and providing a tough and resilient stitch-retaining reinforcement directly combined with the insole.

2,361,942
MACHINE FOR MAKING FIBER CONTAINER PARTS
John M. Hothersall, Brooklyn, N. Y., and John H. Murch, East Orange, N. J., assignors to American Can Company, New York, N. Y., a corporation of New Jersey
Application December 28, 1939, Serial No. 311,416
12 Claims. (Cl. 93—36)



1. In a machine for making fiber container parts, the combination of means for feeding a strip of fiber stock along a predetermined path of travel, die mechanism adjacent said path of travel for forming an auxiliary container part from said strip, said auxiliary part including a die drawn plug section, devices for advancing a preformed cooperating container part having an aperture therein into position adjacent said formed auxiliary container part, means for bringing said parts into assembled position and for inserting the plug section of said auxiliary part into the aperture of said cooperating part, and instrumentalities for securing the assembled parts together to provide a unitary structure.

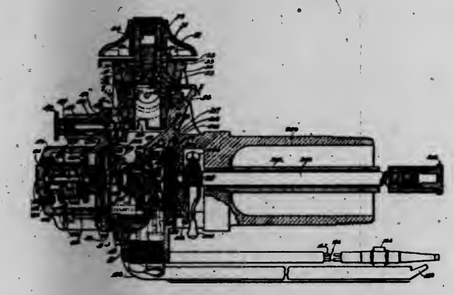
2,361,943
CONDUIT SUPPORTING AND BONDING BLOCK
Louis P. Issoglio, Los Angeles, and Herman Ray Ellinwood, Burbank, Calif., assignors to Adel Precision Products Corp., Burbank, Calif., a corporation of California
Application January 23, 1942, Serial No. 427,882
5 Claims. (Cl. 174—135)



1. In a supporting and bonding block for conduits, a cushion of elastic insulation material having a plurality of conduit receiving channels extending across one face thereof, means for clamping said cushion against conduits lying in said channels including a rigid metal backing member on the face of the cushion opposite the channeled face thereof, and a metal bolt extending through said backing member and cushion, and an electrically conductive bonding strip extending through the cushion and having a portion disposed in one of the channels for contact with a conduit therein, and an end portion dis-

posed between the cushion and the backing member, said end portion having a deflected extremity in flatwise contact with said bolt, said cushion having a counterbore through which said bolt passes, deflected extremity of said bonding strip being extended into said counterbore and held by the expanding material of the cushion in flatwise contact with the said bolt when the cushion is compressed by said clamping means, the aforesaid end portion of said bonding strip consisting only of a straight run extending along the surface of one of the sides of said cushion and said deflected extremity thereof.

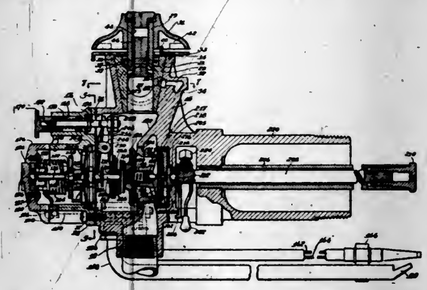
2,361,944
SAFETY CONTROL FOR GASEOUS FUEL BURNERS
Wilbur F. Jackson, Lynwood, and Thomas H. Jeffers, Los Angeles, Calif., assignors to Grayson Heat Control, Ltd., Lynwood, Calif., a corporation of California
Application May 14, 1941, Serial No. 393,396
12 Claims. (Cl. 236—21)



6. In a safety control for gaseous fuel burners having main and pilot burners, the combination of a main fuel valve, a thermally operated valve intercepting the supply of fuel to the main burner, a pilot burner control valve intercepting the supply of fuel to the pilot burner, thermoelectric means energizable by said pilot burner and having an armature movable to attracted position, manually actuable means for simultaneously moving said armature and operating said pilot control valve, means permitting operation of said thermally operated valve to supply fuel to said main burner only when said armature is in attracted position, and means associated with said main fuel valve permitting operation of said manually actuable means only when said main fuel valve is in one position.

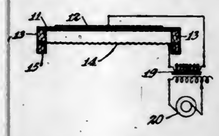
2,361,945
SAFETY CONTROL FOR GASEOUS FUEL BURNERS
Wilbur F. Jackson, Lynwood, Calif., assignor to Grayson Heat Control, Ltd., Lynwood, Calif., a corporation of California
Application May 14, 1941, Serial No. 393,398
8 Claims. (Cl. 236—21)

1. In a safety control for gaseous fuel burners, the combination of a casing having a passage for supplying fuel to the burner, a valve in the passage for controlling the supply of fuel to the burner, said valve being movable between controlling positions, electromagnetic means having an armature movable between free and attracted positions coaxially with said valve, said armature being adapted to move said controlling valve to one controlling position when moving from one of said positions, a manually operable reset stem mounted in said casing for movement in a path substantially parallel with said armature and valve, a pivoted lever extending between said reset stem and armature for transmitting movements of one to the other for resetting said armature, and a separate holding member secured to said reset stem for operative engagement with said controlling valve for maintaining said valve in said one controlling position during the reset ting operation.



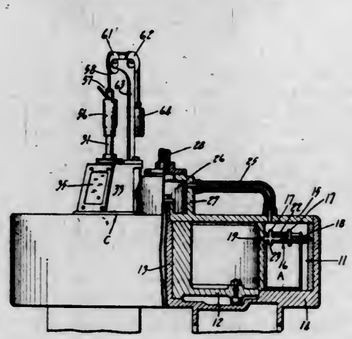
5. A combined temperature and safety control comprising a valve, thermostat means operable on one side of said valve for moving said valve to open position, electromagnetic means having an armature movable from attracted to released position to become operable on another side of said valve for moving said valve to closed position against the action of said thermostat means, manually operable means for resetting said armature to attracted position to permit operation of said valve by said thermostat means, and means operable on said valve in place of said armature and independently thereof for holding said valve in closed position during the resetting operation.

2,361,946
ELECTROSTATIC SEPARATION OF PARTICLES
Robert Clarence Johnson, Norton Township, Summit County, Ohio, and Reynolds Marchant, St. Paul, Minn., assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware
Application August 1, 1940, Serial No. 349,060
5 Claims. (Cl. 209—127)



5. A screening process for separating and classifying and effecting a size-grading of a mixture of dense granular particles of a generally uniform kind in which the particles substantially all possess approximately the same electrical characteristics and are responsive to the dispersing, orienting and projecting influence of an alternating electric field, comprising conducting the mixture onto an inclined classifying screen and into an alternating electric field which latter is positioned so that its lines of force are substantially perpendicular to the screen and which is of such strength in relation to the size and nature of the particles that substantially all of the particles of said mixture will be projected alternately upwardly from and downwardly toward the screen so as to bombard the screen with sufficient velocity to propel downwardly therethrough the particles that are of a size to pass through the meshes, whereby the particles are classified according to size and a size-grading of said mixture is effected.

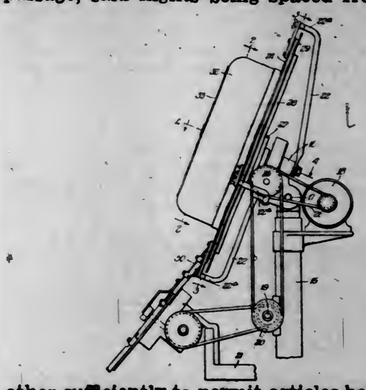
2,361,947
SOLDERING MACHINE
Warren D. Jordan, Waukegan, Ill., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application May 24, 1941, Serial No. 395,103
2 Claims. (Cl. 113—82)



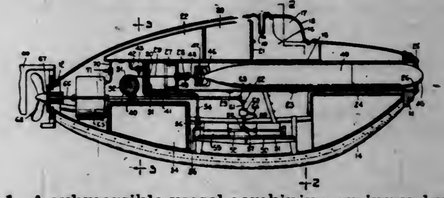
1. In a machine for solder tipping vent holes in containers, the combination of a casing enclosing a chamber maintained in a vacuumized condition, a universal joint in a wall of said casing, a manually operable soldering iron slidably mounted in said universal joint and projecting into said chamber for solder tipping a container located in said chamber, a cable secured at an end thereof to said soldering iron, a pulley over which the cable operates, a weight attached to the opposite end of said cable for counter-balancing the weight of said soldering iron and for drawing said iron towards said casing wall, and a plurality of diametrically opposed tension springs each secured at one end to the inner side of said casing and secured at its opposite end to the inner end of said soldering iron for centering the latter in normal depending position and for drawing said iron away from the container upon said iron being released after a solder tipping operation.

2,361,948
ASSORTING APPARATUS
Ernest A. Krueger, Chicago, Ill., assignor to White Cap Company, Chicago, Ill., a corporation of Delaware
Application February 24, 1941, Serial No. 380,188
10 Claims. (Cl. 226—88.1)

7. In apparatus for arranging flat circular articles of like size, a hopper having an inclined back plate for supporting therein the articles which are to be arranged, a gauge ring overlying and inclined with said back plate and spaced therefrom sufficiently to admit between them only such of said articles as are disposed flat against the back plate, the gauge ring and back plate being associated to provide between them a clearance space in which the articles may be moved, a discharge passage being provided leading from said clearance space in a direction away from the hopper, and flights for impelling articles in said clearance space upwardly to said discharge passage, said flights being spaced from one another sufficiently to permit articles between them to pass one another en route to the discharge passage.

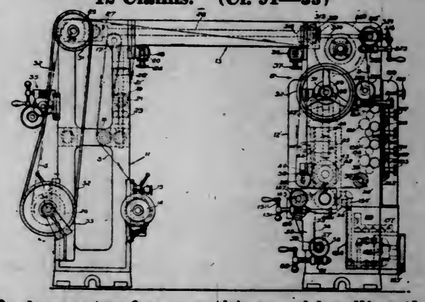


2,361,949
TORPEDO CARRIER AND DISCHARGER
Jesse D. Langdon, Downey, Calif.
Application January 20, 1942, Serial No. 427,397
7 Claims. (Cl. 114—17)



1. A submersible vessel combining an inner hull comprising a supporting frame, an outer flexible hull substantially surrounding said inner hull and made of material flexible enough to deform and capable of assuming original form after being deformed, said outer hull subject to being inflated for surface navigation and deflated to submerge the vessel, and ballonets encased within said outer flexible hull and capable of holding said outer flexible hull to form.

2,361,950
COATING APPARATUS
Russ B. Leech, Chicago, Ill., assignor to Standard Process Corporation, Chicago, Ill., a corporation of Delaware
Application April 15, 1941, Serial No. 388,694
12 Claims. (Cl. 91—33)



3. Apparatus for smoothing and levelling thermoplastic coating material which has been de-

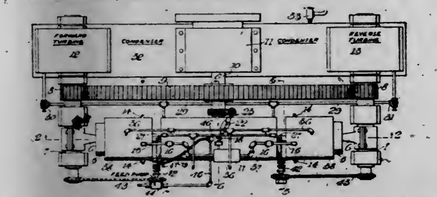
posited upon a sheet or web surface comprising a plurality of thin flexible heated blades with which the coated surface is successively contacted under pressure, at least two of said blades being of different flexibility and the final blade to contact said surface being more flexible than any other blade.

2,361,951
TRAILER FOR BOATS
Carl R. Livermon, Roxobel, N. C.
Application February 15, 1943, Serial No. 475,991
10 Claims. (Cl. 9—1)



1. A floatable trailer for boats comprising a frame having wheels for supporting said frame, means for supporting a boat on the frame for transporting the boat along a road bed and beach and into the water, guides projecting upwardly from the frame for positioning the boat on the frame, and means adjustably mounted on certain of the guides for floating the frame in the water so that the guides will extend above the level of the water with the frame sufficiently below the water level that the boat can be floated into or away from the frame and guides.

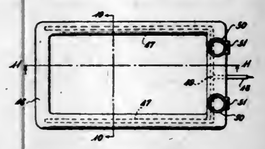
2,361,952
PRIME MOVER
Peter James McAndrews, Jamaica, N. Y.
Application December 3, 1941, Serial No. 421,476
12 Claims. (Cl. 60—11)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



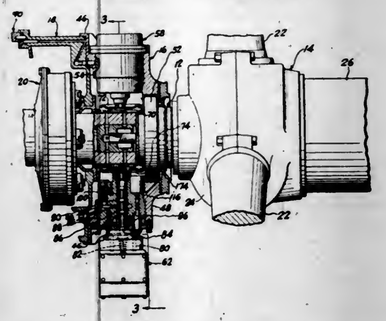
1. In a prime mover for operating a drive shaft, the combination of a double acting engine having a pair of opposed pistons, means to admit steam pressure to actuate said pistons for a portion of their stroke and internal combustion means to return said pistons, a pair of crankshafts driven by said pistons, dual turbines, one of each of said turbines connected to one of each of said crankshafts, means to drive only one of either of said turbines by the entire exhaust steam discharged from said double acting engine, with the particular turbine being driven depending on the forward or reverse running of said engine and the undriven turbine having a flywheel effect, and means connecting said crankshafts to said drive shaft.

2,361,953
RADIO RECEIVER
Eugene F. McDonald, Jr., Chicago, Ill.
Application July 10, 1941, Serial No. 401,826
4 Claims. (Cl. 250—14)

2. In a portable radio receiving set of such size to be conveniently carried by a person and provided with a self contained capacity antenna and operative under normal conditions to receive radio signals, the improvement which comprises means for enhancing reception of said signals under abnormal conditions when said set is positioned within a shielding structure having an opening therein, said means comprising an elongated flexible member electrically connecting said capacity antenna to said set and vacuum cups carried by said capacity antenna for quickly attachably and detachably securing the same to surfaces, including vertical surfaces, in any one of a plurality of positions relative to said opening and apart from said set, said capacity antenna having a large confined area relative to its largest linear dimension and comparable to the surface area of a side of said set, said capacity antenna being arranged to be placed entirely within the confines of said opening such that elemental parts of said antenna are near the center of said opening in the shielded structure where signal reception is optimum.

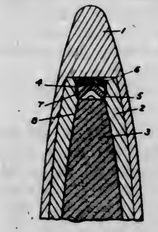


2,361,954
PROPELLER CONTROL MEANS
Erle Martin, West Hartford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application December 13, 1939, Serial No. 308,994
6 Claims. (Cl. 170—163)



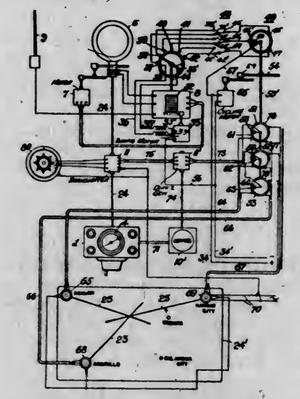
2. In combination with a hydro-controllable propeller and a propeller driving engine having a casing and a propeller shaft projecting from said casing, a unitary control for said propeller comprising, an auxiliary casing attached to said engine casing surrounding said propeller shaft, a pump carried by said auxiliary casing for supplying pitch changing fluid under pressure to said propeller, a governor actuated valve carried by said auxiliary casing and hydraulically interposed between said pump and said propeller, a governor carried by said auxiliary casing for controlling said valve, a propeller feathering and unfeathering pump carried by said auxiliary casing, and means within said auxiliary casing for automatically blocking the connection between said first-mentioned pump and said governor operated valve and simultaneously connecting said feathering pump with said propeller through said governor operated valve when said feathering pump is rendered operative.

2,361,955
EXPLOSIVE BULLET
Wiley T. Moore, United States Army, Laverne, Okla., and Richard N. Nelson, Black River Falls, Wis.
Application June 27, 1941, Serial No. 400,040
1 Claim. (Cl. 102—56)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



A bullet comprising a jacket, a hollow metal core nested in the jacket and containing an explosive charge, said core being provided with a bore at its forward end in communication with said explosive charge, a primer cup in said bore and containing a primer charge at its forward end, an anvil tightly fitted in said cup and constituting an inertial element adapted to move forward to fire the primer charge upon impact of the bullet, and means in the bore to prevent rearward movement of the primer cup upon set back.

2,361,956
AUTOMATIC POSITION INDICATING SYSTEM
Francis L. Moseley, Pelham, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application December 9, 1938, Serial No. 244,734
7 Claims. (Cl. 250—11)

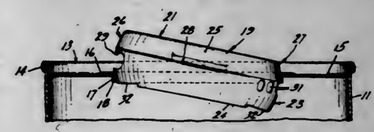


2. In an automatic position indicating system, a directional antenna, motive means for orienting said antenna, a radio receiver fed from said antenna, motive means for tuning said receiver, commutating means for controlling said last named motive means, and means associated with said commutating means for tuning said receiver in sequence to a plurality of stations, said first named motive means acting to turn said directional antenna toward said stations in sequence and for predetermined periods in respective synchronism with the tuning-in of these stations.

2,361,957
LUBRICANTS
John M. Musselman, South Euclid, and Herman P. Lankelma, Shaker Heights, Ohio, assignors to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application September 29, 1939, Serial No. 297,178
3 Claims. (Cl. 252—48)

1. A lubricant comprising an oil of lubricating viscosity and a small amount of the reaction product of phosphorus pentasulphide and naphthenic acid, and brucine.

2,361,958
CONTAINER
Robert Nyden, Manhasset, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application August 21, 1941, Serial No. 407,835
1 Claim. (Cl. 222—556)

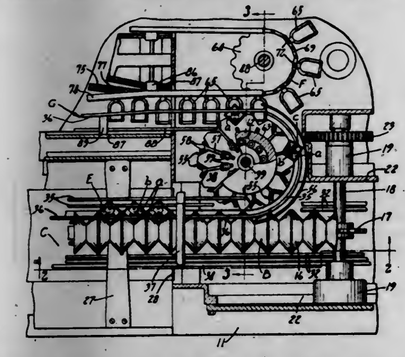


A friction plug container comprising a container body having an end member secured thereto, said end member having an annular depending friction seat wall defining an opening, a tiltable friction plug seated within and normally closing said opening when the plug is in horizontal position, said plug having an annular depending friction seat wall sealingly engaging the friction seat wall of said end member, a dispensing opening in said friction seat wall of said plug, said plug also having a pair of opposed substantially flat elongated fulcrum projections disposed at intermediate peripheral portions thereof for pivotal engagement against the outer surface of said end member, said opposed fulcrum projections being located on said plug friction seat wall in a horizontal plane spaced vertically above the upper edge of said dispensing opening so that the container will be sealed when the plug is in normal substantially horizontal position on and relative to said end member, said dispensing opening of the plug being elevated and exposed for dispensing the container contents therethrough when pressure is exerted on the plug at a point opposite to said dispensing opening to rock said plug on its said fulcrum projections on and relative to said end member.

2,361,959
COATING MACHINE
Nicholas Pelosi, Newark, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application November 23, 1940, Serial No. 366,921
2 Claims. (Cl. 91—55)

1. In a machine for coating containers with paraffin and the like, the combination comprising means for applying an excessive amount of coating material to containers, means for draining substantially all excess coating material from said containers, a setting course whereon congelation is effected of coating material remaining on the walls of said drained containers, a conveyor operable along said course, cages secured to and movable with said conveyor and adapted to receive containers from said draining means, each

of said cages being provided with prongs adapted to support with minimum contact a coated and drained container, parallel upper and lower track sections adjacent said conveyor and having twisted portions along said course, guiding devices substantially parallel to said twisted track portions for retaining the containers within said



cages when moving along said course, and rollers mounted on said cages and operable on while positively constrained by said tracks to support and guide the moving cages whereby oscillation back and forth of said cages and containers therein is effected by said twisted track to distribute said coating evenly while setting on the walls of said containers.

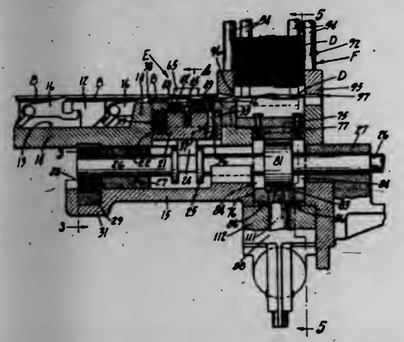
2,361,960

SORTING DEVICE FOR CONTAINER MAKING MACHINES

Nicholas Pelosi, Newark, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey

Application January 24, 1941, Serial No. 375,837

6 Claims. (Cl. 209—81)



5. In a detecting and stacking mechanism for composite fibre container parts each secured together with an electric current conducting wire staple, the combination of a support for the container part to be tested, a staple detector element arranged adjacent said support and having spaced electric current conducting portions engageable with opposite ends of said staple for conducting an electrical current through the staple, a magazine for container parts disposed adjacent said support, a normally active reciprocating stacking element arranged adjacent said magazine for moving properly stapled container parts into the magazine, feeding devices for shifting the container parts from said detector element to said stacking element, means for reciprocating said stacking element through a stacking stroke and thence through a return stroke, and electrically controlled instrumentalities including a normally closed electric circuit connected with said detector element current conducting portions for controlling movement of said stacking element and operable when said electric circuit is broken by the detection of an imperfect container part by said detector element to hold said stacking element against movement through a stacking stroke to prevent stacking of such imperfect container part when a staple is missing or broken therein.

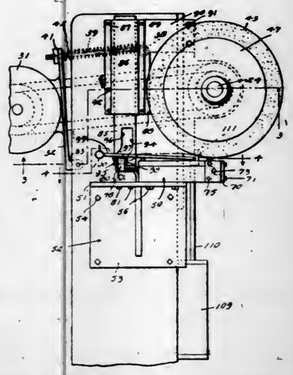
2,361,961

UNIVERSAL CUTTING MACHINE

Harvey E. Pruitt, Flint, Mich., assignor, by mesne assignments, to Emery M. Rice, Hanna, Ind.

Application August 21, 1942, Serial No. 455,664

15 Claims. (Cl. 51—98)



1. A bar cutting machine comprising a supporting standard, a work clamping means carried by said support, rotary cutting means, means supporting said cutting means for movement toward or away from said clamping means, means correlated with said cutting means and said clamping means for moving the latter to clamping position simultaneously with movement of said cutting means toward the work and means operable by movement of said cutting means toward the work prior to the effectiveness of said clamping means for locking the work against endwise movement.

2,361,962

METHOD OF METAL-CLADING

Bela Ronay, Annapolis, Md.

Application June 11, 1942, Serial No. 446,617

5 Claims. (Cl. 117—22)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



5. In a method of metal-clading a metal surface, spraying a clad-metal in the desired thickness on the metal surface, applying a suitable deoxidizer by painting, then preheating the entire

combination and then progressively remelting the metal coating by means of applied heat sufficiently concentrated to fuse the coating to the surface of the metal without dwelling long enough in one place to cause a metallurgical change in the base metal or to disturb the original contour and thickness of the coating.

2,361,963

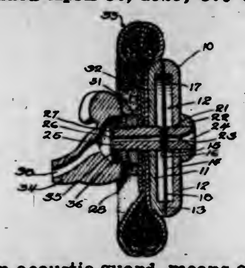
ACOUSTIC GUARD

Maurice C. Rosenblatt, New York, N. Y.

Application March 8, 1943, Serial No. 478,464

18 Claims. (Cl. 181—22)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In an acoustic guard, means adapted to substantially close the human ear, a sound passage through said means communicating with the ear and the atmosphere, a sound-responsive vibrating element in said passage adapted to be energized by sound waves in the atmosphere, and means responsive to the vibratory movement of said vibrating element to restrict said sound passage.

2,361,964

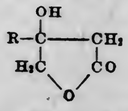
LACTONES OF THE SATURATED AND UNSATURATED CYCLOPENTANOPOLYHYDROPHENANTHRENE SERIES AND PROCESS OF PREPARING SAME

Leopold Ruzicka, Zurich, and Tadeus Reichstein, Basel, Switzerland, assignors, by mesne assignments, to Ciba Pharmaceutical Products, Incorporated, Summit, N. J., a corporation of New Jersey

No Drawing. Application September 19, 1939, Serial No. 295,696. In Switzerland September 15, 1938

3 Claims. (Cl. 260—239.5)

1. A compound of the formula:



in which R is an organic radical containing a carbon atom directly attached to the —OH substituted carbon atom of the lactone ring.

2,361,965

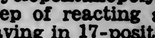
LACTONES OF THE SATURATED AND UNSATURATED CYCLOPENTANOPOLYHYDROPHENANTHRENE SERIES AND PROCESS OF PREPARING SAME

Leopold Ruzicka, Zurich, and Tadeus Reichstein, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Incorporated, Summit, N. J., a corporation of New Jersey

No Drawing. Application August 27, 1941, Serial No. 408,550. In Switzerland September 15, 1938

26 Claims. (Cl. 260—239.5)

1. A process for the manufacture of lactones of the saturated and unsaturated cyclopentanopolyhydrophenanthrene series, comprising treating a compound of the said series having in 17-position the radical



in which R stands for a member of the group consisting of an esterified and etherified hydroxyl group, with a member of the group consisting of α- and β-halogen fatty acid esters.

2,361,966

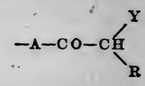
LACTONES OF THE SATURATED AND UNSATURATED CYCLOPENTANOPOLYHYDROPHENANTHRENE SERIES AND PROCESS OF PREPARING SAME

Leopold Ruzicka, Zurich, Switzerland, assignor to Ciba Pharmaceutical Products Inc., Summit, N. J., a corporation

No Drawing. Application April 29, 1942, Serial No. 441,032. In Switzerland May 31, 1941

20 Claims. (Cl. 260—239.5)

1. In a process for the manufacture of a lactone of the cyclopentanopolyhydrophenanthrene series, the step of reacting a compound of the said series having in 17-position the radical



wherein A stands for an aliphatic hydrocarbon radical containing at least one and no more than 4 carbon atoms, Y is a member of the group consisting of hydrogen and alkyl, and R stands for a member of the group consisting of free, esterified and etherified hydroxyl, with a member of the group consisting of the esters, amides and nitriles of the α- and β-halogen fatty acids, in presence of a metal condensing agent.

2,361,967

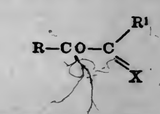
PROCESS FOR PREPARING LACTONES OF THE SATURATED AND UNSATURATED CYCLOPENTANOPOLYHYDROPHENANTHRENE SERIES

Leopold Ruzicka, Zurich, Switzerland, assignor to Ciba Pharmaceutical Products, Incorporated, Summit, N. J., a corporation of New Jersey

No Drawing. Application April 29, 1942, Serial No. 441,033. In Switzerland May 31, 1941

11 Claims. (Cl. 260—239.5)

1. In a process for the manufacture of a compound of the saturated and unsaturated cyclopentanopolyhydrophenanthrene series, the step of reacting a compound of the formula



wherein R represents a radical containing the cyclopentanopolyhydrophenanthrene ring structure, R^1 represents a member of the group consisting of hydrogen, a hydrocarbon radical and a carbalkoxy group, and X represents a member of the group consisting of oxo, thio, isonitroso, acetal, mercaptal and diazo groups, with a member of the group consisting of α- and β-halogenated fatty acid esters, amides and nitriles, in the presence of a metal condensing agent, whereby the residue of the said member of the group

consisting of α- and β-halogenated fatty acid esters, amides and nitriles which remains upon subtracting the α- or β-halogen atom is directly attached to the C atom of the



group.

2,361,968

LACTONES AND PROCESS OF MAKING SAME

Leopold Ruzicka, Zurich, Switzerland, assignor to Ciba Pharmaceutical Products, Inc., Summit, N. J., a corporation

No Drawing. Application May 20, 1942, Serial No. 443,837. In Switzerland June 10, 1941
6 Claims. (Cl. 260—239.5)

1. A process for the manufacture of a lactone, which comprises reacting a member of the group consisting of saturated and unsaturated lactones which are substituted by halogen, with a carbonyl compound selected from the class consisting of aldehydes and ketones, in presence of a condensing agent selected from the class consisting of metals, metallic alcoholates and amides, whereby the carbon atom of the carbonyl group of the said carbonyl compound becomes attached to the halogen-bearing carbon atom of the lactone and the halogen is eliminated.

2,361,969

SELENIUM RECTIFIER

Otto Saslaw, Lyndhurst, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware

Application July 16, 1943, Serial No. 495,022
6 Claims. (Cl. 175—366)



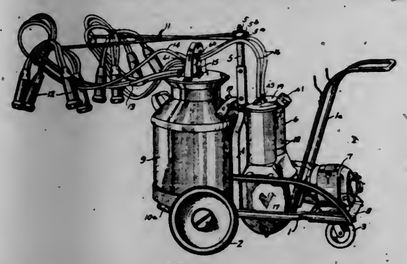
1. A method of preparing selenium rectifier elements having a selenium layer mounted on a base plate which comprises exposing the surface of the selenium layer to fumes of the type present immediately above hot concentrated sulfuric acid, applying a counter-electrode to the fumed surface and electro-forming the element.

2,361,970

MILKING APPARATUS

John A. Schmitt, Milwaukee, Wis., assignor to The Universal Milking Machine Company, Waukesha, Wis., a corporation of Wisconsin

Application August 2, 1940, Serial No. 349,578
10 Claims. (Cl. 31—73)



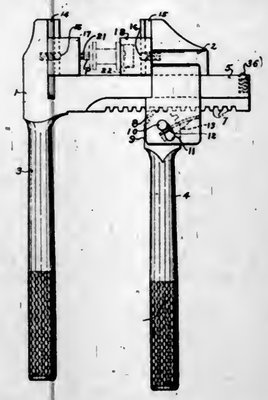
1. In a portable milking apparatus, a carriage including a frame, a pair of oppositely disposed carrying wheels adjacent the front of the frame, a support at the rear of the frame, an upright contiguous to the carrier wheels, a support at the forward side of the upright for a milk receiver, crane arms carried by the upright for supporting milk and air conduits, a milk receiver, an air pump and an electric motor supported on the frame on a substantially common level approximately coincident with the horizontal axial plane of the carrying wheels, the milk receiver on said support extending forwardly of the carrying wheels, the electric motor at the rear of the frame disposed substantially over said rear support, the air pump being located intermediate the milk receiver and electric motor, the arrangement and disposition of the milk receiver, air pump and electric motor being such as to afford a stable structure having a low center of gravity, upwardly and rearwardly extending handle arms connected to the frame, a teat cup cluster of the pneumatic vibratory type, a milk conduit connecting the interior of the teat cups directly to the milk receiver, a pulsation control unit mounted on top of the milk receiver, and air conduits connecting the pneumatic pulsating chambers of the teat cups through said pulsation controller directly with the pump.

2,361,971

CHAIN REPAIR TOOL

Walter G. Shipman, Iowa Park, Tex.

Application March 4, 1942, Serial No. 433,401
17 Claims. (Cl. 59—7)



17. A chain repair tool comprising a pair of jaws, one of said jaws having a handle connected therewith and having a laterally extending guide connected therewith and slidably receiving the other jaw thereon for movement toward and from the first-mentioned jaw, said guide having teeth thereon along an edge thereof, gearing means having interengagement with said teeth and mounted on said second-mentioned jaw for movement into and out of engagement with said teeth, and a handle connected with said gearing means for operating the same when in engagement with the teeth to move the jaws relatively toward each other.

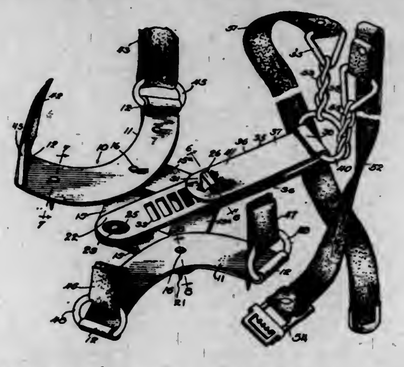
2,361,972

ICE CREEPER

Harvey N. Smith, Washington, D. C.

Application April 5, 1944, Serial No. 529,606
11 Claims. (Cl. 36—62)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. An ice creeper including a frame having separate plates, ground-engaging cleats extending from the plates, links pivotally secured to the plates and to each other, means for rigidly securing the links in different positional relations to each other to thereby adjust the frame



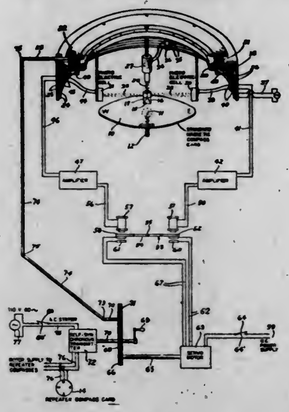
to fit shoes of different sizes, and straps secured to the frame and adapted to engage the upper portion of the shoe to thereby secure the frame to the shoe.

2,361,973

MAGNETIC COMPASS REPEATER

James Moses Smith, United States Navy

Application June 4, 1943, Serial No. 489,665
3 Claims. (Cl. 33—226)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



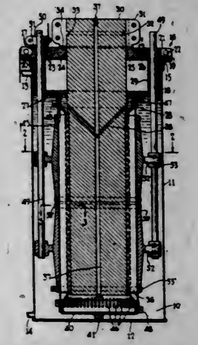
1. A follow up for a magnetic compass having a card comprising a double prism support, said double prism support being mounted on said compass card, double prism means carried by said support, a light source directing a light beam at said double prism means, said double prism means dividing said light beam into two separated light beams, a pair of photo electric cells, one of said photo cells being in the path of one of said divided light beams and the other of said photo electric cells being in the path of the other of said divided light beams, and means controlled by differential energization of said photo electric cells when the light beam to one of said photo electric cells is diminished or discontinued by the movement of the double prism support on said compass card to cause said light source to move correspondingly.

2,361,974

ELECTROLYTIC CELL

James Norman Smith, Montreal, Quebec, Canada, assignor, by direct and mesne assignments, of one-fourth to John A. Rietmann, Norwalk, Conn., and one-fourth to George F. Händel, New York, N. Y.

Application February 7, 1940, Serial No. 317,682
7 Claims. (Cl. 204—260)



1. In an electrolytic cell of the character described, a central electrode having a plurality of substantially vertical channels and immersed in electrolyte, a diaphragm surrounding and contacting said electrode between said channels, a gas collector associated with said central electrode and said diaphragm, and means to prevent flooding said gas collector, said means comprising passageways within said electrode to permit the flow of electrolyte from above said channels to below said electrode.

3. In an electrolytic cell of the character described, wherein a foraminous diaphragm of insulating material is disposed between a cathode and an anode, an electrode assembly including an anode comprising an electrically conductive member having a plurality of electrically conductive projecting portions so arranged that adjacent projecting portions form a series of unbroken vertical channels, and a cathode comprising an electrically conductive member having a plurality of electrically conductive projecting portions so arranged that adjacent projecting portions form a second series of unbroken vertical channels, the projecting portions on the cathode and anode being directly opposed in substantial linear alignment and of substantially the same width, the vertical side faces of the projecting aligned portions on the cathode and anode being in substantial planar alignment, and the tips of each of said projecting portions having a layer of insulating material secured to its face and in contact with said diaphragm whereby a very small distance between the anode and cathode surfaces is maintained.

2,361,975

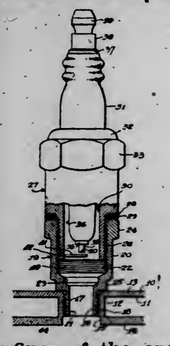
SPARK PLUG

Murray J. Sobel, Detroit, Mich.

Application August 14, 1941, Serial No. 406,765
2 Claims. (Cl. 123—169)

1. A spark plug of the character described comprising a hollow shell having an external threaded end portion of reduced size capable of being received in a miniature spark plug receiving bore of an engine, said reduced portion having a bore of restricted diameter and said shell having an upper internally threaded chamber of enlarged diameter adapted to receive a

threaded electrode shell of increased size, an insulator extending into said upper chamber, a first electrode extending through said insulator and terminating a distance short of the open end of the threaded electrode shell, and a second electrode extending from said electrode shell



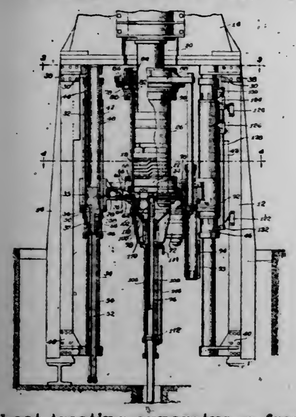
within the confines of the open threaded end thereof and projecting beneath said first electrode, said electrode being located and spaced remote from the entrance to said restricted diameter end portion and said electrode shell having an outer diameter contiguous with the outer diameter of the hollow shell.

2,361,976

HEAT TREATING APPARATUS

Howard E. Somes, Detroit, Mich., assignor to Budd Induction Heating, Inc., Philadelphia, Pa., a corporation of Michigan

Application August 2, 1940, Serial No. 349,400
17 Claims. (Cl. 219—13)



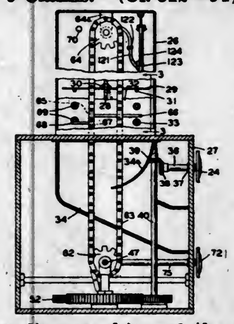
1. In a heat treating apparatus, a frame having spaced upright parallel supports, a heat treat head centrally supported with respect to said supports, a pair of spaced apart parallel piston and guide rods vertically secured to said supports at each end, a piston on said rods intermediate the ends thereof, a cylinder reciprocable upon each of said rods, a work table secured to said cylinders having a revolvable work holder therein, means carried by the table for rotating said work holder, a second work holder spaced from said table, means for rovolvably supporting said second holder, and being reciprocably carried by said table, and means for supplying fluid to opposite sides of said pistons to elevate or lower said table.

2,361,977

MERCHANDISE AND PREMIUM VENDING MACHINE

Troy E. Stair, Cleveland, Ohio

Application January 11, 1941, Serial No. 374,038
9 Claims. (Cl. 312—94)



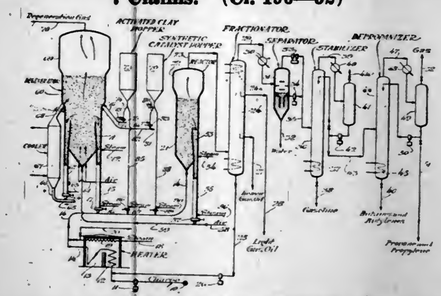
7. In a vending machine of the type wherein an article of merchandise is dispensed responsive to each successive insertion of a coin therein, a unit for intermittently dispensing a premium distinct from such article of merchandise, means in said premium dispensing unit for releasably retaining said premium, and means responsive to a predeterminable number of said coin insertions and operatively associated with said premium retaining means, whereby said premium retaining means is rendered inoperative at each such response and a premium is delivered after each such predeterminable number of coin insertions.

2,361,978

CATALYTIC CRACKING SYSTEM

John E. Swearingen, Whiting, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana

Application February 28, 1942, Serial No. 432,831
7 Claims. (Cl. 196—52)



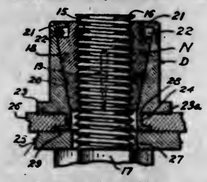
1. In a catalytic process of hydrocarbon conversion wherein a powdered cracking catalyst is suspended in and contacted with vapors of a hydrocarbon oil in a contacting zone for producing product components of various molecular weights and boiling ranges, wherein powdered catalyst is withdrawn from the contacting zone and suspended in and contacted with an oxygen-containing gas in a regeneration zone for regenerating said catalyst and wherein catalyst from the regeneration zone is then resuspended in further hydrocarbon vapors in said contacting zone, the method of controlling product distribution which method comprises introducing into said system a powdered catalyst having the property of repressing the formation of volatile hydrocarbons such as butanes and butylenes, introducing into the same system another powdered catalyst having the property of producing large amounts of volatile hydrocarbons such as butanes and butylenes, and controlling the product distribution in the system by varying the relative proportion of said catalysts introduced therein.

2,361,979

NUT LOCK CONSTRUCTION

Lawson Tarwater and Wendell R. McKenzie, Los Angeles, Calif., assignors, by mesne assignments, to Bank of America National Trust and Savings Association, Los Angeles, Calif., a national banking association

Application June 2, 1942, Serial No. 445,440
5 Claims. (Cl. 151—19)



1. In a nut lock construction; a lock nut having a thread for engaging the thread of screw-bolt extended through two sheets of metal, the outer end of said nut having a non-circular portion and the inner end having a cone portion; a locking ring having an inner periphery of cone form receiving the cone portion of said nut, said nut being split along its cone portion to allow constriction thereof; and a member having means for fixedly securing the same to one of said sheets to receive the shank of the screw-bolt, said member receiving said nut and said ring and having a non-circular opening receiving the non-circular portion of said nut to hold the latter against rotation relative to said member and yet permit movement of said nut axially of said member.

2,361,980

METHOD AND MEANS FOR EXTINGUISHING FIRES

Leslie L. Tirrell, Benton Harbor, Mich.

Application July 5, 1941, Serial No. 401,172
12 Claims. (Cl. 169—15)



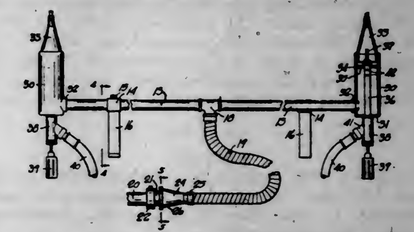
1. The method of producing a foaming fire extinguishing medium comprising the steps of subjecting to a pressure of from 500 to 1000 pounds per square inch a liquid constituting a mixture of from one to four pounds of calcium chloride, approximately one-half pound of a material of the class including aluminum sulphate and potassum sulphate, approximately one ounce of a powdered material of the class including soap bark, licorice root and alfalfa root, and approximately one-half ounce of soy bean flour, per gallon of water; subjecting to a pressure of from 45 to 100 pounds per square inch a liquid constituting approximately one pound each of bicarbonate of soda and sodium chloride per gallon of water; adding from two to six ounces of sulphuric acid per 200 gallons of the first mentioned liquid; discharging said liquids into a mixing chamber in a manner whereby the high pressure liquid exerts a feeding negative pressure upon the intake of the low pressure liquid, and discharging said liquids from said mixing chamber within a small fraction of the time required to produce foaming thereof.

2,361,981

METHOD AND MEANS FOR DEFROSTING AIR

Leslie L. Tirrell, Benton Harbor, Mich.

Application September 15, 1941, Serial No. 410,904
11 Claims. (Cl. 47—2)



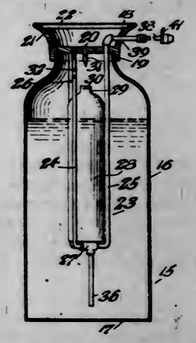
5. In an apparatus for combating an impending frost condition, the combination with a mobile unit including a tractor having an internal combustion engine and an exhaust manifold, a liquid storage tank, and means for subjecting liquid in said tank to high pressure, of an upwardly directed spray nozzle mounted on said unit, a conduit connecting said nozzle with said tank, and conduit connecting said nozzle with said exhaust manifold, said last named portion having an opening therein and including a Venturi portion juxtaposed to said opening.

2,361,982

APPARATUS FOR MAKING CELLULAR MASSES

Radcliffe Morris Urquhart, Montgomeryville, Pa.

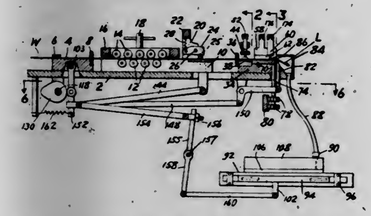
Application June 21, 1940, Serial No. 341,938, which is a division of application Serial No. 144,885, May 26, 1937. Divided and this application January 15, 1943, Serial No. 472,519
3 Claims. (Cl. 261—76)



1. Apparatus for making a cellular mass comprising a main container adapted to receive a foam forming liquid and having an open top; a cap for closing said open top; an auxiliary container filled with compressed gas and having a frangible portion; means carried by said cap for normally, slidingly supporting said auxiliary container in an inoperative position in the liquid in said main container and comprising a cage formed by a proportioner, a liquid supply conduit adapted to discharge liquid into said proportioner and having an inlet opening into said main container to receive said foam forming liquid, a foam discharge conduit and a removable member; a conduit opening into said main container and connected to said proportioner for supplying a gas to said proportioner; means for puncturing

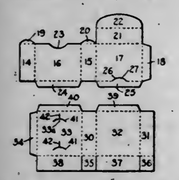
the frangible portion of said auxiliary container so as to release said gas within said main container; a handle adapted to be grasped by an operator for inverting said main container to its operative position thereby puncturing said auxiliary container and releasing said gas whereupon said liquid and said gas flow through their respective conduits under the influence of the gas pressure and through said proportioner where they commingle to form a foam which is discharged into said foam discharge conduit; and means for directing the resulting foam to the desired point.

2,361,983
MACHINE FOR FORMING RESISTOR LEADS
Hugh N. Veley, St. Marys, Pa., assignor to Speer Resistor Corporation, St. Marys, Pa., a corporation of Pennsylvania
Application June 2, 1942, Serial No. 445,460
15 Claims. (Cl. 140—71)



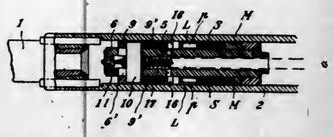
1. In combination, a pair of clamp elements, means for feeding a wire between said clamp elements, means for effecting engagement of the wire by said clamp elements, a third clamp element cooperating with one of the first mentioned clamp elements to deflect a portion of the wire to one side of the portion located between the first mentioned clamp elements, means for engaging the end of the wire beyond said third clamp element to bend the same in a direction opposite said deflection effected by the third clamp element, and means for controlling the third clamp element and the last mentioned means to effect in sequence said deflection and completion of the bending.

2,361,984
TELESCOPIC BOX
Marshall I. Williamson, New York, N. Y., assignor to National Folding Box Company, New Haven, Conn., a corporation of New Jersey
Application October 28, 1941, Serial No. 416,779
2 Claims. (Cl. 229—23)



1. A folding box comprising a plurality of telescopically related box sections, each hollow-formed from foldable sheet material, said sections being adapted for telescopic movement relative to one another, limit-stop flap means integrally secured to one of said telescopically related sections along a fold line, limit-stop flap means integrally secured to the other of said telescopically related sections and adapted for interengagement with the first-named limit-stop flap means, tongue means integral with the limit-stop flap means of one of said telescopically related sections, at the fold line and extending in the opposite direction therefrom, and slit means positioned in the other of said telescopically related sections, said tongue and said slit means being arranged for mutual interlocking to positively maintain the said telescopically related sections in desired telescopic position relative to each other, said slit means comprising a tongue-receiving slit and a guide slit extending transversely to said tongue-receiving slit.

2,361,985
ABSORBING MEANS ESPECIALLY FOR FIREARMS
Marc Birkigt, Versoix, near Geneva, Switzerland
Application April 24, 1940, Serial No. 331,472
In France October 14, 1939
1 Claim. (Cl. 42—3)



In an automatic fire arm including a breech box and a breech block slidably mounted in said breech box for movement to and from firing position, a firing pin assembly carried by said breech block normally to move therewith, said firing pin assembly including a pair of slide members disposed on the sides of the breech block, said breech block having a transverse opening and said slide members being connected by a transverse bar disposed through said opening, the opening being of greater width than the width of said bar, whereby the firing pin assembly may move forwardly a slight distance to fire a cartridge after the breech block has engaged the cartridge in firing position, a spring acting against the firing pin assembly for urging said assembly and the breech block forwardly, temporary locking means for locking said slide members and said breech block together when the latter is not in its full forward position and for locking the breech block with respect to the breech box when the breech block is in full forward position, said locking means being actuated to its last named locking position by continued forward movement of said slide members after the breech block has reached the limit of its forward movement, and means for assuring the continued locking of the breech block with respect to the breech box in the event of a hang fire, said means comprising a mass mounted in a chamber in one of said slide members for sliding movement in the direction of forward movement of said breech block, a piston engaging the front end of said chamber and a spring disposed between the piston and said mass and urging said mass in a rearward direction.

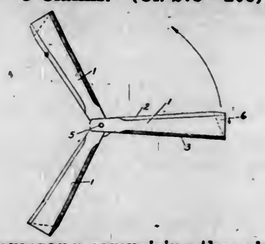
2,361,986
COMPOSITE PIGMENTS AND PROCESS OF PRODUCING SAME
James E. Booge, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 1, 1941, Serial No. 391,313
7 Claims. (Cl. 106—300)

1. An improved titanium oxide-calcium carbonate composite pigment, free of soluble salts and the calcium carbonate content thereof consisting of small, discrete calcite crystals and being characterized by having a specific surface area of between about 5 and 20 square meters per gram, and an oil absorption value between about 12 and about 20.

2,361,987
TITANIUM PIGMENT PRODUCTION
James Eliot Booge, Wilmington, Del., and Leland Stewart, St. George, Staten Island, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 2, 1940, Serial No. 364,038
10 Claims. (Cl. 23—202)

1. A process for producing an improved titanium oxide pigment possessing essential tinting strength and hiding power without calcination treatment, which comprises subjecting an aqueous suspension of a purified raw pigment titanic acid precipitate recovered from the hydrolysis of a dilute titanium salt solution to heat and pressure treatment, in a closed container, at an elevated temperature ranging from substantially 375° C. to 500° C. and at a pressure generated by the fluid at the temperature employed.

2,361,988
BOOMERANG
West B. Bonnifield, Sioux City, Iowa
Application August 31, 1942, Serial No. 456,831
3 Claims. (Cl. 273—106)



1. A boomerang comprising three blades tapering in width from one end toward the other, said blades being perforated adjacent their narrower ends and having a pivot member extending through the perforations and holding the blades together moderately tightly but loosely enough to permit them to be turned about the pivot to be substantially evenly spaced, angularly, said blades being substantially flat upon one face but having a diagonal bevel at one of the corners remote from the pivot, the second face being mostly flat but having its two longitudinal edges beveled, one of them having a flat bevel and the other a rounded bevel.

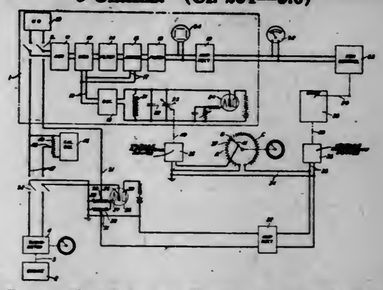
2,361,989
PUMPING MECHANISM
Chalon E. Bridwell, Detroit, Mich.
Application October 13, 1941, Serial No. 414,742
5 Claims. (Cl. 103—158)

1. In a mechanism of the class described, adapted for use with a pump structure, a tubular member mounted on the upper end of the pump structure and projecting upwardly therefrom in alignment therewith and in communication therewith for providing a conduit for conducting liquid from said pump structure; a plurality of valve seats in said tubular member; a valve slidably mounted in said tubular member and movable relatively thereto and in unison therewith, below and engageable with one of said valve seats, for controlling the flow of fluid through said tubular member and movable to open and closed positions; a stem connected to said valve and projecting upwardly therefrom outwardly of the upper end of said tubular member; and a valve structure carried by said stem above said valve for cooperating with one of the valve seats in said tubular member for controlling the flow



of fluid through said tubular member and, upon movement of said stem in the direction for closing said first-named valve, engageable with its seat prior to the closing of said first-named valve, and upon movement of said stem in the opposite direction for opening said first-named valve disengageable from its seat subsequent to the opening of said valve.

2,361,990
VIBRATION ANALYZER
William J. Brown, West Englewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application April 15, 1943, Serial No. 483,129
9 Claims. (Cl. 234—5.6)



6. In a vibration analyzer for the analysis of mechanical vibrations as functions of the rotational speed of a vibration producing agency, means for indicating said rotational speed, means for translating said vibrations into electrical waves, means for isolating frequency components of said waves and means controlled by said speed indicating means for varying the frequency of the component isolated by said isolating means in a selected ratio to said rotational speed.

2,361,991
BALE BAND BUCKLE
James W. Buckley, Weatherford, Tex.
Application September 1, 1943, Serial No. 500,847
1 Claim. (Cl. 24—23)

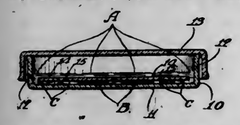
In a bale band buckle, a rectangular body constructed of sheet metal material, said body having an opening formed therein, the opening being

elongated longitudinally of the body and arranged intermediate the side edges thereof, portions of the body along the longitudinal edges thereof being extended upwardly and outwardly in opposite



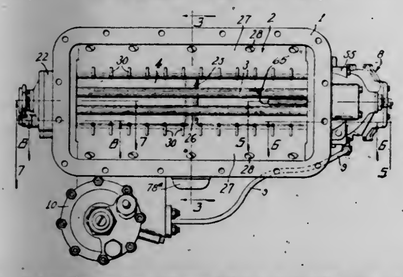
directions, presenting sharp steel band engaging edges, and a substantially flat bale band engaging bottom, and said body being formed with a cutaway portion extending inwardly to the elongated opening from the edge of the body.

2,361,992
APPARATUS FOR THE GROWTH OF MICROORGANISMS
Abraham Cantor, Philadelphia, Pa.
Application October 1, 1940, Serial No. 359,298
10 Claims. (Cl. 195—139)



8. In apparatus for simultaneously culturing micro-organisms which require varying ranges of oxidation-reduction potential and carbon dioxide tension, a Petri dish, comprising a shallow solid-bottomed receptacle and a removable horizontal baffle in slightly spaced relation to the bottom of said receptacle and adapted to be submerged in a culturing medium.

2,361,993
CARBURETOR
Milton E. Chandler, New Britain, Conn., assignor to Chandler-Evans Corporation, a corporation of Delaware
Application August 14, 1941, Serial No. 406,776
12 Claims. (Cl. 261—69)

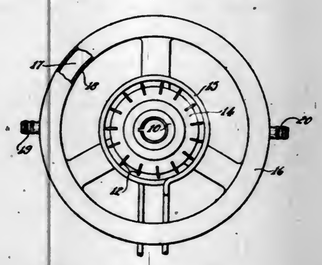


1. A carburetor comprising a body or casing having a through opening or passage of generally rectangular cross section extending from a face having an enlarged inlet or scoop to an opposite face at which a manifold connection is made, the carburetor being provided within said passage with bars providing a plurality of narrow substantially rectangular Venturi passages and being provided beyond the discharge of the Venturi passages with a pair of throttle bars adapted to be turned to a closed position and to various open positions and adapted when in an open position to provide between them a restricted passage, and the carburetor also having in its main passage in a region close to and somewhat beyond said restricted passage in the direction of air flow a fuel bar extending lengthwise of said restricted passage, shield plates arranged to provide a flaring scoop portion adjacent the entrance of the main passage having inner edges in proximity to the air-receiving ends of the marginal Venturi bars and having outer edge portions attached to the body wall, and a relatively deep septum crossing the main passage transversely of the Venturi bars adjacent the discharge sides of said bars, said septum having clearance notches receiving substantial portions of the respective Venturi bars, said septum carrying intermediate bearings for said throttle bars and providing an intermediate support for said fuel bar, and said septum further providing within it in a location forwardly of the throttle bars a chamber and an auxiliary fuel pump within the chamber, said pump having a discharge intermediate the ends of the septum, and the septum having auxiliary fuel discharge ports at its side faces in locations forwardly of the throttle bar axes and between said axes.

2,361,994
MANUFACTURE OF ESTERS
Frank O. Cockerille, Albemarle County, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 24, 1943, Serial No. 503,656
4 Claims. (Cl. 260—498)

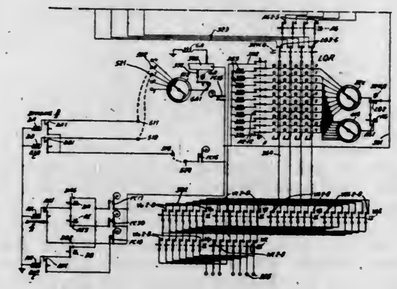
1. In the manufacture of vinyl and ethylidene esters wherein acetylene is reacted with a carboxylic acid whereby to form said esters, the improvement which comprises reacting the acetylene and carboxylic acid in the presence of a small amount of cacodyl oxide.

2,361,995
METHOD OF MAKING METAL CUTTING TOOLS
Frank W. Curtis, Springfield, Mass., assignor to Van Norman Company, a corporation of Massachusetts
Application September 28, 1942, Serial No. 459,917
1 Claim. (Cl. 148—10)



A method of making a cutting tool which comprises embedding a plurality of unhardened steel blades in a matrix of a hardened organic plastic with portions of the blades projecting beyond the surface of the matrix with their peripheries in the form of a surface of revolution, locating the assembly within a conducting coil conforming to the peripheral boundary of the cutter blade series but spaced radially therefrom, passing a high-frequency current through the coil for a length of time sufficient to heat the outer portions of the blades to the temperature necessary for the hardening process, and quenching said blades before said heat can warm the embedded portions of the blades to a temperature injurious to said plastic.

2,361,996
RECORD CONTROLLED COMPUTING MACHINE
Arthur H. Dickinson, Scarsdale, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application May 1, 1943, Serial No. 485,316
7 Claims. (Cl. 235—61.7)



1. In a record controlled machine with record feeding means for feeding in a card feed cycle, separate records in succession through the machine to select and control computations each of which computations requires a succession of computing cycles following a card feed cycle, each separate record bearing designations for representing amounts for controlling computations and also bearing computation selection designations for selecting the type of computation to be performed under control of the same record, record sensing means for sensing in one card feed cycle said amount designations on one record for controlling computations to be effected in the subsequent computing cycles and other means for sensing in the same card feed cycle the computation selection designations on a following record, a plurality of master computation control means, each when selected for operation for causing the related type of computation to be performed, a corresponding number of setup means controlled by said other sensing means and set up within a card feed cycle in accordance with the designation sensed, and each when set up for selecting the related master computation control means, means controlled by the setup means which is set up for maintaining it set up during the successive computing cycles the computation is being effected under control of a record previously sensed by the amount sensing means and of the type determined by the computation selection designation it bears, and means controlled by the setup means which is set up for selecting at the termination of said computing cycles the related master computation control means for causing the associated type of computation to be effected under control of said following record.

2,361,997
PRODUCTION OF ORGANIC COMPOUNDS
Henry Dreyfus, London, England, assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application October 1, 1941, Serial No. 413,195. In Great Britain August 22, 1940
4 Claims. (Cl. 260—449.6)

1. Process for the production of hydrocarbons by reacting carbon monoxide and hydrogen, which comprises introducing the reactant gases into a reaction medium prepared by dissolving in a hydrocarbon fraction boiling above the reaction temperature a salt of a metal selected from the group consisting of nickel, cobalt and iron catalytically active in the process and soluble in the reaction medium, and distilling the products from the reaction medium as they are formed.

2,361,998
ELECTRICAL APPARATUS
Brian Clifford Fleming-Williams, London, England, assignor to A. C. Cossor Limited, London, England, a company of England
Application August 20, 1941, Serial No. 407,687
In Great Britain June 12, 1940
6 Claims. (Cl. 315—30)



1. The method of deflecting elemental parts of a ribbon cathode ray beam successively in response to a voltage variation, which consists in applying the voltage variation to a pair of electrodes attached to one end of a bar of piezoelectric material which is located beside and parallel to the width of the ribbon beam, whereby a stress wave is caused to travel along the bar, the resultant potential waves along one side of the bar being utilised to deflect successively the elemental parts of the cathode ray beam, and preventing reflection of said stress wave by damping means at the other end of said bar.

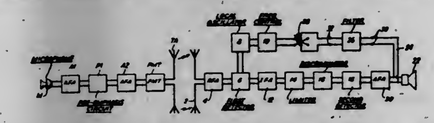
2,361,999
PROCESS OF MANUFACTURING TEXTILE YARN
Henry Frey, Kingston, Pa.
No Drawing. Application December 3, 1941, Serial No. 421,522
8 Claims. (Cl. 57—157)

1. A novel process of throwing a continuous filament yarn which comprises twisting the yarn in one direction and subsequently twisting the yarn in the opposite direction without setting the first twist, the number of turns per inch imparted to the yarn in the second twist exceeding twice the number of turns per inch in the yarn prior to the second twist.

2,362,000
RECEPTION OF FREQUENCY MODULATED WAVES
Harry Tunick, Rye, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application December 20, 1941, Serial No. 423,763
14 Claims. (Cl. 250—20)

1. The method of receiving and translating a wave which has been modulated with a pre-

distorted signal, pre-distorted in such a way that only a band of high frequencies of the signal is modified in such a way that the amplitudes of the frequencies of the band increases with an increase of signal frequency which includes receiving the modulated wave, beating the received wave with locally generated waves, deriving the signal from the resulting energy of beat frequency, emphasizing the derived signal in substantially the same manner as it was emphasized at the transmitter, and utilizing the emphasized, derived signal energy to angular velocity modulate the locally generated waves.



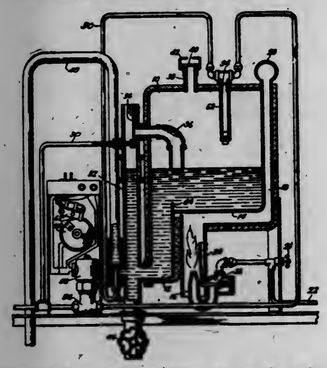
2,362,001

HUMIDIFIER

Francis A. Furlong, River Forest, Ill., assignor to Autogas Company, Chicago, Ill., a corporation of Illinois

Original application July 14, 1941, Serial No. 402,287. Divided and this application February 22, 1943, Serial No. 476,731

5 Claims. (Cl. 122—451.1)



5. A humidifier comprising a tank adapted to contain water, heating means associated with said tank to vaporize the water therein, means operated by flow of heated vapor from the tank to atmosphere to control the admission of water thereto to maintain a predetermined level of water in the tank, a vapor outlet from the upper portion of the tank separate from the last named means, and a valve normally closing said outlet and opening in response to a predetermined vapor pressure higher than atmospheric in the tank to insure the flow of vapor through the means for maintaining a predetermined level of water in the tank.

2,362,002

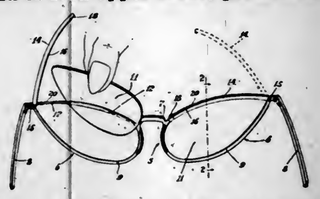
INTERCHANGEABLE FRAME FOR EYEGLASSES

Milton Gluck, New York, N. Y.

Application April 29, 1943, Serial No. 484,984

2 Claims. (Cl. 88—47)

1. A mounting for eyeglasses comprising two separate oval-shaped frames for removably supporting two independent oval-shaped lens members and a bridge member integrally connecting said frames, each frame including a lower frame portion adapted to embrace more than half of the edge of its respective lens member and being formed with a U-shaped groove for receiving said edge of the lens member, an upper curved integral frame portion, and a movable latching bar forming a complementary member for said upper frame portion and having one end hinged to the outer end of said upper frame portion on an axis



disposed at right angles to the plane of the lens member, said upper frame portion and said latching bar when in latching position forming a U-shaped groove for receiving the remainder of the edge of the lens member and a spring finger member formed on the inner free end of said latching bar adapted to engage the upper frame portion for releasably holding the latching bar in operative position.

2,362,003

TRIETHANOLAMINE HYDROCHLORIDE COMPOSITION FOR COCCIDIOSIS

Paul D. Harwood, Ashland, Ohio, assignor to Dr. Hess & Clark, Inc., Ashland, Ohio, a corporation of Ohio

No Drawing. Application September 8, 1942, Serial No. 457,652

3 Claims. (Cl. 167—53.1)

1. A poultry food having as an ingredient thereof triethanolamine hydrochloride.

2,362,004

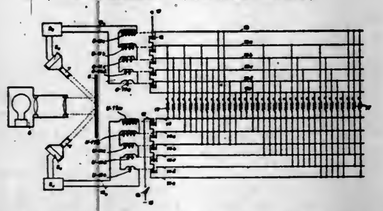
ANALYZING DEVICE

Willy Heidinger, Pocking, Germany, assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application May 28, 1940, Serial No. 337,663

In Germany May 31, 1939

6 Claims. (Cl. 235—61.6)



3. The combination with a controlled device adapted to be set to any one of a number of different conditions corresponding, respectively, to different characters, and setting control means therefor, of means for analyzing records whereon different characters are designated by different combinations of graduated marks placed in one or more of a plurality of different fields of the record, said analyzing means comprising means for illuminating the record, and a plurality of light responsive devices, one for each field of the record, each light responsive device being arranged to analyze only its own field of the record, said graduated marks being adapted to impart correspondingly graduated light reflecting properties to the areas of the fields containing them analyzed at one time by their respective light responsive devices; a number of groups of selectively operable devices, one group for each light responsive device, the devices of each group being selectively controlled by the related light responsive device in accordance with the light reflecting properties of the related area of the field; and means controlled jointly by the operated devices of said groups for controlling the operation of said setting control means, to cause said controlled device to take a setting in accordance with the analyzed character designating marks.

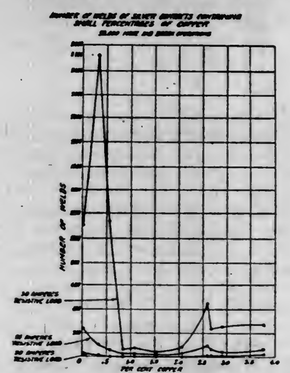
2,362,005

ELECTRIC CONTACT

Vernon E. Heil, Indianapolis, Ind., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware

Application December 7, 1943, Serial No. 513,231

4 Claims. (Cl. 200—166)



1. An electric contact containing 0.85 to 2.05% copper, balance silver.

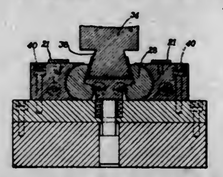
2,362,006

FLANGE FORMING APPARATUS

Karl Herzog, North Tonawanda, N. Y., assignor to Curtiss-Wright Corporation, a corporation of Delaware

Application April 12, 1943, Serial No. 482,793

5 Claims. (Cl. 153—12)



1. In a flange forming apparatus, a stationary die block having an opening formed therein, a roller mounted in said block at one side of said opening, said roller being rotatable about a fixed axis and being formed with an axially extending channel having side and bottom walls, a yieldingly-supported pad which is located in said opening and upon which a blank may be arranged, and a forming punch which is movable to engage said blank and to force said pad with said blank into said opening, said pad being engageable with the bottom wall of said channel to rotate said roller and thereby cause the side wall of said channel to bend a portion of said blank around said forming punch.

2,362,007

METHOD OF MAKING SINTERED COPPER CHROMIUM METAL COMPOSITION

Franz R. Hensel and Earl I. Larsen, Indianapolis, Ind., assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware

No Drawing. Application March 23, 1943, Serial No. 480,214

6 Claims. (Cl. 75—22)

1. The method of making a sintered copper-chromium metal composition which comprises mixing powders to form a mixture containing copper, chromium, phosphorus and a metal hydride, then pressing and sintering said mixture.

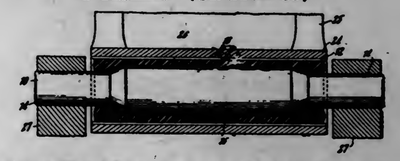
2,362,008

RESILIENT BEARING

Heston H. Hile, Riverside, Conn., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey

Application May 1, 1942, Serial No. 441,329

4 Claims. (Cl. 287—85)



1. A resilient bearing comprising an outer cylindrical shell, an inner cylindrical member, a cylindrical rubber bushing interposed between said outer shell and inner member, said bushing having thicker walls in its end portions than in its intermediate portion between the thicker end portions, the walls of said intermediate portion of said bushing being of substantially uniform thickness from end to end, the walls of said intermediate portion extending throughout its length completely around said inner member, and the walls of said intermediate portion of said bushing having considerably greater bearing surface than the total bearing surface of said end portions, said walls being subjected to greater initial radial pressure than said end portions of said bushing so as to cause said walls of said intermediate portion to support substantially all of the load imposed on said bearing, and the end walls of said bushing having circumferential grooves formed therein prior to the application of said radial pressure and the rubber being forced into said grooves by said pressure.

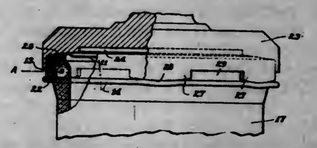
2,362,009

METHOD OF APPLYING CLOSURES TO CONTAINERS

Emerson E. Hogg, New Kensington, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania

Application August 2, 1940, Serial No. 349,745

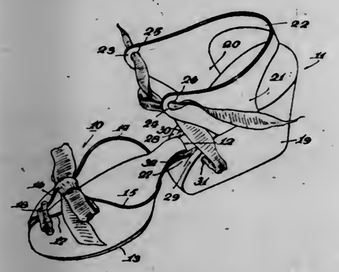
4 Claims. (Cl. 226—80)



1. In a method of affixing a cap including a resilient sealing gasket and a cup-like shell terminating in a beaded edge to a container having an annular mouth bead comprising a portion outwardly divergent from the crest of the mouth

rim and a portion convergent towards the body portion of the container, the steps comprising deflecting both said shell and said sealing gasket about said divergent bead portion by pressure applied against the top of said shell, applying pressure downwardly against a plurality of portions of said beaded edge, and, while maintaining said pressures, deforming said beaded edge inwardly at a plurality of points intermediate the aforesaid stressed beaded edge portions to form lugs gripping said convergent bead portion.

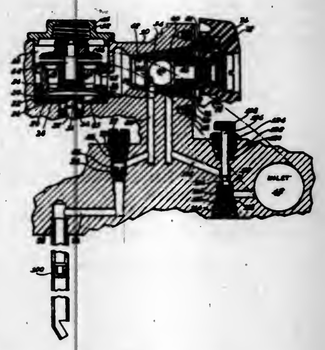
2,362,010
SHOE
Basil D. Huff, New York, N. Y., assignor to Edna S. Payne, New York, N. Y.
Application December 15, 1942, Serial No. 469,063
4 Claims. (Cl. 36—2.5)



1. In shoe construction, in combination, a heel-counter unit having a rigid heel of water-resistant material substantial in height and extending from the rear of the wearer's foot beneath the wearer's instep so as to act as a support for the wearer's arch, the forward part of said heel having side walls forming a groove therebetween, each of said side walls having a hole formed therein, a vamp unit separable from said heel-counter unit and also formed of water-resistant material, said vamp unit having separable side portions, means for adjustably securing said side portions together, a tongue formed in the rear of the sole of said vamp unit and extending therefrom and adapted to be disposed between said heel side portions within said groove, and a tie member extending through said holes in said heel side portions and through the bite of said tongue and adapted to extend about the wearer's foot whereby said heel-counter unit and said vamp unit may be adjustably secured together and whereby said heel-counter unit and said vamp unit as an entity may be secured to the wearer's foot.

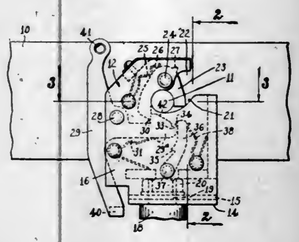
2,362,011
SAFETY CONTROL FOR GASEOUS FUEL BURNERS
Thomas H. Jeffers, Lynwood, Calif., assignor to Grayson Heat Control, Ltd., Lynwood, Calif., a corporation of California
Application October 31, 1941, Serial No. 417,304
12 Claims. (Cl. 158—117.1)

1. A safety control for gaseous fuel burners having main and pilot burners, comprising in combination, a safety valve controlling a common passage for fuel to both the main and pilot burners, a main control valve having a port adapted to communicate with said passage, separate outlets for fuel to the burners under control of said main control valve, said main control valve being adjustable to a position permitting flow of fuel through said port and one of said outlets to the pilot burner when the safety valve is in closed position and preventing flow of fuel to the main burner in said position, means communicating with said port and said one outlet for by-passing fuel around said safety valve to



the pilot burner when the main control valve is in said position, and means responsive to the presence of a flame at the pilot burner for opening the safety valve for flow of fuel through said common passage and through said port and said one outlet to the pilot burner instead of by way of the by-pass while said main control valve remains in said position.

2,362,012
PIVOTAL MOUNTING
George H. Kendall, Darien, Conn., Samuel Oxhandler, Flushing, N. Y., and Herbert W. Brooks, West Haven, Conn., assignors to Sargent & Company, New Haven, Conn., a corporation of Connecticut
Application October 11, 1943, Serial No. 505,864
4 Claims. (Cl. 248—183)



1. A mounting for a pivotally supported member comprising spaced standards having trunnion receiving slots opening through the edges thereof, a retaining element movably mounted adjacent each slot and adapted to be moved across said slot to close the latter and hold the trunnion therein, said element also being movable to an inoperative position in which said slot is opened, means for releasably holding said element in its inoperative position, said element comprising a yoke pivoted above the slot and having spaced legs to embrace a trunnion, means engaging a part of said yoke to hold it in a position operative to close said slot, and a manually operable member to move said holding means to inoperative position.

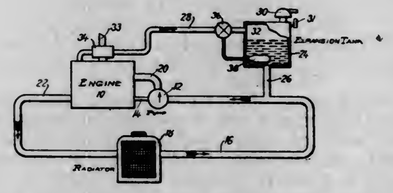
2,362,013
STABLE COLLOIDAL SOLUTIONS CONTAINING LECITHIN AND CHOLESTEROL AND PROCESS OF PREPARING SAME
Carl Ludwig Lautenschläger and Fritz Lindner, Frankfort-on-the-Main, and Adolf Mager, Niedernhausen in Taunus, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application April 23, 1941, Serial No. 389,952. In Germany May 7, 1940
10 Claims. (Cl. 252—311)

1. The process of preparing stable and highly colloidal solutions of lipins which comprises mixing a solution of lecithin in an alcohol of at most 4 carbon atoms and a solution of at least one member of the group consisting of cholesterol and its esters of oleic acid and palmitic acid in a solvent of the group consisting of ketones and carboxylic acid esters of at most 4 carbon atoms with water by means of a nozzle and in countercurrent at a slightly raised temperature and subsequently evaporating the organic solvents under reduced pressure.

2,362,014
PRODUCTION OF CITROUS FEED
Arthur W. Lissauer and Julius Credo, Louisville, Ky., assignors, by mesne assignments, to Citrus Processes, Inc., Louisville, Ky., a corporation of Kentucky
No Drawing. Application December 24, 1941, Serial No. 424,238
7 Claims. (Cl. 99—2)

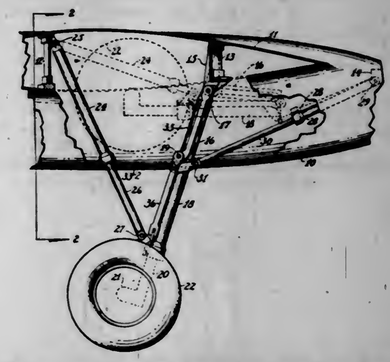
1. An improvement in the lime-dewatering process, wherein slimy unpressable acidic citrous waste is converted by an alkaline reagent into a watery, pressable waste which is separated into a watery effluent and wet solids and the wet solids dried, comprising: treating the water forming the effluent with an alkaline material to render the effluent definitely alkaline; evaporating the alkaline effluent, at a temperature low enough to avoid appreciably caramelizing its carbohydrates, to form a syrupy alkaline concentrate; acidifying the alkaline concentrate to bleach it; and mixing the bleached concentrate with the wet solids before the solids drying operation.

2,362,015
ENGINE COOLING SYSTEM
Wilton G. Lundquist, Hohokus, N. J., assignor to Wright Aeronautical Corporation, a corporation of New York
Application March 22, 1943, Serial No. 480,123
13 Claims. (Cl. 123—174)



1. In a sealed liquid cooling system for an internal combustion engine, a pump for circulating liquid through a jacket for said engine, an expansion tank for said liquid connected to the inlet side of said pump, and a heater utilizing the engine exhaust gases for heating the liquid in said expansion tank.

2,362,016
RETRACTABLE LANDING GEAR
William P. McKinnie, Kenmore, N. Y., assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application June 24, 1941, Serial No. 399,442
8 Claims. (Cl. 244—102)



6. In an aircraft retractable landing gear, a landing gear strut hinged at its one end to the aircraft and carrying a wheel at its other end, said strut having a hinge joint intermediate its ends, a telescoping strut hinged at one end to the aircraft and at its other end to said landing gear strut adjacent said hinge joint, a second telescoping strut hinged at one end to the aircraft and at its other end to said landing gear strut near the wheel carried thereby, and means to extend and retract both said telescoping struts coincidentally.

2,362,017
DRAWER CONSTRUCTION
Frank P. May, Rochester, N. Y.
Application June 24, 1941, Serial No. 399,517
6 Claims. (Cl. 45—7)



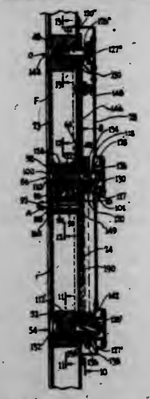
2. A drawer comprising a bottom, side and end walls, a panel providing a movable false bottom normally supported above said bottom in a plane substantially parallel to said bottom, said panel and said side walls being slidably related to restrain said panel against removal by lifting, and one of said walls containing an opening permitting sliding movement of said panel therethrough to a position beyond that normally occupied by said panel.

2,362,018
HEAT-HARDENABLE OIL-CONTAINING PHENOLIC RESINS
Arthur P. Mazzucchelli, Bloomfield, N. J., assignor to Bakelite Corporation, New York, N. Y., a corporation of New Jersey
No Drawing. Application August 3, 1940, Serial No. 351,217
9 Claims. (Cl. 260—19)

1. An oil-containing composition, reactive with a hardening agent to form a heat-hardening binder in a dry-process molding material, comprising a resin, prepared by an acid-catalyzed reaction of formaldehyde with an excess over equimolecular proportions of phenol that con-

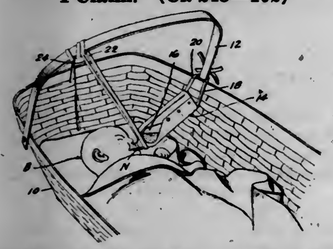
tains from zero to 20 per cent of its weight of a cresol, and reacted at a temperature not in excess of 175° C., to retain as reactants in the resin the free phenol and intermediates boiling above that temperature, with an amount of oil constituting from 10 to 60 per cent of the resin and oil composition, said oil being selected from the group consisting of fatty drying oils having conjugated double bonds and blown fatty drying and semi-drying oils.

2,362,019
MOTION-PICTURE PROJECTOR
Daniel G. Moore, Brooklyn, N. Y., assignor to Willard B. Kapper, New York, N. Y.
Application August 24, 1940, Serial No. 354,131
8 Claims. (Cl. 88—17)



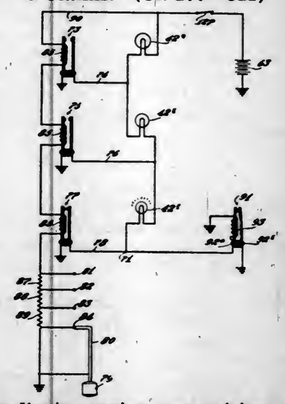
1. A film cartridge for use with a motion picture projector having a motor and single actuating means driven by said motor, said actuating means being accessible from the exterior of said projector, said cartridge comprising a housing adapted for demountable attachment to said projector, said housing having a side wall and peripheral edge walls, a cover for said housing, a casing mounted on said cover, film take-up and film supply spindles journalled in said housing and said casing and passing freely through said cover, a film advancing sprocket journalled in said side wall and said casing and passing freely through said cover, and a developed motion picture film carried by said spindles.

2,362,020
NURSING BOTTLE HOLDER
Louise Morrow, Kane County, Ill.
Application September 7, 1942, Serial No. 457,622
1 Claim. (Cl. 248—102)



A nursing bottle holder constructed of cloth adapted to be fastened about a nursing bottle to secure said bottle therein, said holder having a pair of straps extending from the bottom end of the same, a pair of straps extending from the end adjacent the neck of the bottle, the shape of said nursing bottle holder being such that when it is fastened about the bottle a portion of the bottle adjacent the end will be exposed so that the quantity of the contents therein can be observed.

2,362,021
ELECTRIC DASHBOARD INSTRUMENT
Nicholas Nazar, Newton, Mass., assignor to Waltham Watch Company, Waltham, Mass., a corporation of Massachusetts
Original application November 10, 1937, Serial No. 173,873. Divided and this application April 10, 1941, Serial No. 387,901
3 Claims. (Cl. 177—311)

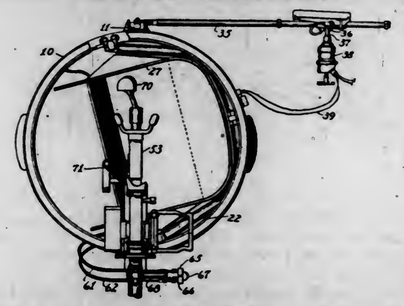


1. An indicator system comprising a plurality of devices in a series circuit, said devices including a plurality of lamps and an automatic flasher following the last lamp, a source of current in the circuit for energizing the lamps, a branch circuit connected to said circuit between each pair of adjacent lamps and between said flasher and last lamp for shunting part of said devices, and a controller for selectively closing said branch circuits to shunt said devices successively, said devices being selectively responsive to different degrees of current from said source, the responsiveness decreasing in the direction away from the flasher, the most responsive device being shunted first and the next succeeding device responding when each device is shunted, whereby said last lamp flashes when all said branches are open and lights continuously when the branch between the flasher and last lamp is closed.

2,362,022
PURIFICATION OF WATER
Hubert L. Olin, Iowa City, Iowa
No Drawing. Application October 9, 1941, Serial No. 414,279
20 Claims. (Cl. 210—23)

1. The process of clarifying water which comprises, preparing a sol of sodium bentonite in a minor body of water containing unsubstantial amounts of ionizable substances, incorporating said sol in a major body of water to be clarified, permitting the sodium bentonite to form a first flock and to entrain negative dispersoids in said water, separating the water from said first flock and entrained material, adding to said separated water polyvalent, ionizable material in quantity sufficient to effect flocculation of bentonite subflocs, and separating a purified water from the second flock.

2,362,023
FLEXIBLE GUN MOUNT
John C. Parkin and Bruce G. Eaton, Buffalo, N. Y., assignors to Curtiss-Wright Corporation, a corporation of Delaware
Application March 20, 1941, Serial No. 384,318
12 Claims. (Cl. 89—37.5)



1. A gun mount for aircraft comprising a track trunnioned at opposed points thereof upon the aircraft structure for tilting movement, a carriage movable along the track, means to lock the carriage to the track, means to lock the track in available positions of tilt, an element controlling each said locking means on the carriage, a seat carrying structure carried by and movable both with and with respect to said carriage around the track, and means selectively operable to lock the carriage and seat structure to one another for joint movement or to release the seat structure for independent movement.

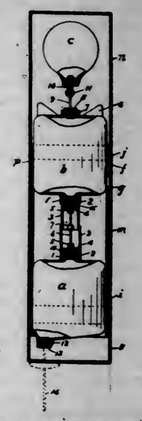
2,362,024
OVERALL BUCKLE
Edward F. Pavek, Stillwater, Minn.
Application August 25, 1941, Serial No. 408,205
7 Claims. (Cl. 24—248)



1. An overall buckle comprising an elongated loop having substantially parallel sides and ends, outwardly bowed arcuations in said sides connecting said sides to said ends, a spring plate pivotally secured to one end of said loop, a curved end on the opposite end of said plate designed to engage the other end of said loop under spring tension.

2,362,025
APPARATUS FOR ADMINISTERING BLOOD PLASMA
Alison Howe Price, St. Davids, Pa.
Application January 26, 1943, Serial No. 473,584
7 Claims. (Cl. 128—214)

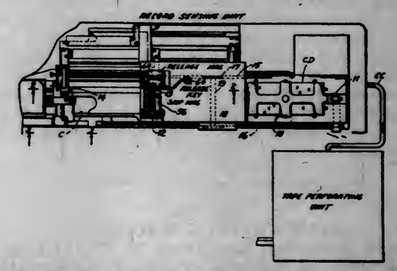
1. An apparatus for administering blood plasma which comprises two vessels one adapted to contain dried plasma and adapted to be put into fluid connection with the body of the recipient, the other vessel being adapted to contain a suitable liquid, the opposing ends of said vessels having openings, puncturable stoppers sealing said openings, a shell enclosing said vessels, means to hold one of said vessels in fixed relation to the shell, mutually engaging means carried by the other vessel and the shell adapted to allow longitudinal movement of the last named vessel within the shell and hold it in either longitudinal position, and a hollow needle extending between said stoppers and of such length as to clear both stoppers when the movable vessel is at its greater distance from the fixed vessel but penetrate both stoppers in the movement of the movable vessel toward the fixed vessel.



2,362,026
POLYVINYL ALCOHOL COMPOSITION
James D. Quist, Detroit, Mich., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application December 12, 1941, Serial No. 422,722
6 Claims. (Cl. 260—90)

1. A process of improving the water resistant characteristics of plasticized polyvinyl alcohol which comprises incorporating in the plasticized polyvinyl alcohol a substantially water insoluble secondary aromatic amine, and a chloride of an amphoteric metal.

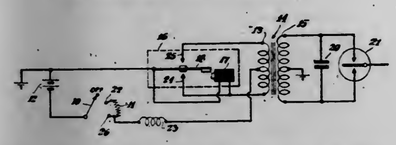
2,362,027
COMMUNICATION APPARATUS
Edward J. Rabenda, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application November 13, 1943, Serial No. 510,156
1 Claim. (Cl. 164—115)



In apparatus for converting records in a statistical code having a separate code designation for each character, into records in a telegraphic code having code designations of alternatively alphabetical or numerical class significance, as determined by associated key signals, the statis-

tical code records being on separate cards whereon the code designations of different characters are placed in different columns and "spaces" are denoted by blank columns; record card reading means comprising card holding means and card sensing means relatively reciprocable to cause the columns of a record card to be sensed in sequence; telegraphic code recording means including a group of code elements operable singly and in various combinations to record the telegraphic code signals; translating means controlled by said reading means to operate said code elements selectively, to record in telegraphic code the characters read from said record cards; supervisory means controlled by said sensing means and differently responsive to the sensing on the record cards of characters of the two different classes; designating means adapted to control said code elements, said designating means being controlled by said supervisory means to cause said code elements to record either of two different key signals, depending upon the class of character sensed; said supervisory means including auxiliary means to render the same responsive to the sensing of a blank column, to cause said designating means to control said code elements so as to record a key signal; and means to render said auxiliary means effective only when said sensing means senses a particular column, other than the last column, of the record cards.

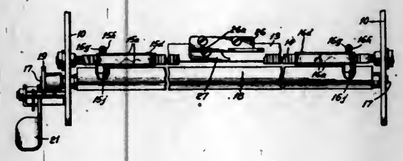
2,362,028
VIBRATOR POWER SUPPLY SYSTEM
Theodore N. Rosser and Robert J. Aust, Indianapolis, Ind., assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
Application October 23, 1942, Serial No 463,098
9 Claims. (Cl. 171—97)



1. A vibrator power supply system wherein a current source in the primary circuit of a transformer supplies electric current to the midpoint of the primary winding of said transformer and a vibratory interrupter in said circuit driven by said source independently of the load current in said primary alternately closes the circuit through the two halves of said primary to thereby generate an alternating voltage across the secondary winding of said transformer and a switch under control of an operator is located in said primary circuit for controlling the energization of said circuit, characterized by the fact that there is combined with said primary circuit a current limiting resistance and switching contacts for effectively introducing said resistance in said primary circuit when said switch is actuated to energize said circuit.

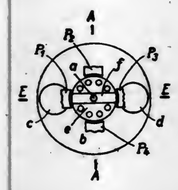
2,362,029
TYPEWRITING MACHINE
Albert B. Schuyler, Rochester, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application May 18, 1942, Serial No. 443,393
4 Claims. (Cl. 197—63)

1. In combination with the carriage of a typewriting machine, a marginal stop rack mounted on the carriage; right and left hand marginal stops slidably mounted on said rack, each of said stops including a latch member for locking the marginal stops to the rack, each of said latch members carrying a pin for releasing its latch member; means common to both marginal stops and engageable with both of said pins to disengage said latch members from said rack, an



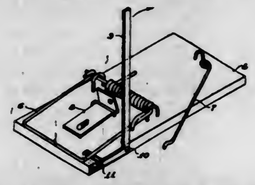
operating member for the disengaging means, and means operative when either of the latch members are released with the marginal stops in the margin defining position to engage the pin for the released latch member and hold the marginal stop for the released latch member against movement while the carriage is moved to a new marginal position.

2,362,030
ARRANGEMENT OF ROTARY SHUTTERS FOR STEREOPHOTOGRAMMETRIC PLOTTING
Johannes Seemann, Jena, Germany; vested in the Alien Property Custodian
Application February 4, 1941, Serial No. 377,337
In Germany February 9, 1940
3 Claims. (Cl. 88—16.6)



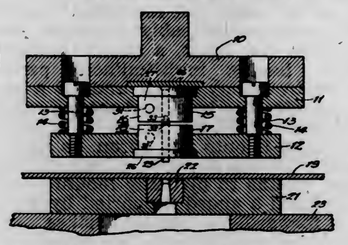
1. An arrangement of rotary shutters for stereophotogrammetric plotting by means of two projectors for alternately throwing stereopictures of a landscape on a screen and an observation device for alternately obscuring the right and the left field of observation and thus enabling an observer looking on said screen to view a plastic model of the landscape, said arrangement containing two pairs of rotary shutters, each of the two shutters of one pair being mounted at one of said two projectors and controlling the light emission of said one projector, each of the two shutters of the other pair being mounted at said observation device and controlling the light entrance to one of the two eyes of the observer, four multiple phase (n-phase) current synchronous motors for driving said shutters, the rotor of each of said motors having two pronounced poles and being fixed to one of said shutters, each of said shutters having n light transmitting openings displaced relatively to each other by $360°/n$, each of said shutters having such a position relative to the appertaining projector or eye, respectively, that the plane containing the axis of rotation of said shutter and the axis of said projector or eye, respectively, is inclined at an angle of $90°/n$ towards the central axis of that pole of the stator of the appertaining motor which lies nearest to said plane.

2,362,031
ANIMAL TRAP
Esther M. Smith, Pittsburgh, Pa., assignor of one-half to Archworth Martin, Pittsburgh, Pa.
Application May 31, 1943, Serial No. 489,124
5 Claims. (Cl. 43—81)



1. The combination with a mouse trap having a base, a U-shaped striker jaw pivotally mounted intermediate the length of the base, a trigger and a latch, of a lifting lever for the striker jaw, of L formation, having an arm substantially vertically-extending relative to the base and a foot portion normally lying in parallel relation to and at the outer side of one edge of the base, the intersection of the arm and foot being pivoted on the edge of the base, at a point intermediate the pivot of the jaw and the base of the U when the jaw is in released position, said foot having an extension therefrom projecting inwardly from said edge of the base, said base having a groove therein and said foot extension being normally positioned within the groove and underlying a part of the U shaped jaw.

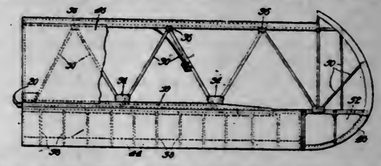
2,362,032
PUNCH MOUNTING
Jacob A. Smith, Chicago, Ill., assignor of one-half to Claude A. Benjamin, Chicago, Ill.
Application June 5, 1942, Serial No. 445,843
7 Claims. (Cl. 164—124)



1. A punch mounting comprising a pair of supporting members having axially extending interfitting parts slidably engaging each other, each of said members being formed by a plurality of blocks connected side by side with a groove in the meeting faces of one of the blocks to form an opening through the member, a punch extending through the openings in the members, said interfitting parts lying on opposite sides of the opening and engaging and laterally supporting the sides of the punch.

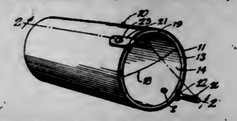
2,362,033
AIRCRAFT CONSTRUCTION
Charlie W. Snyder, Washington, D. C., assignor to Engineering and Research Corporation, Riverdale, Md., a corporation of Maryland
Application June 3, 1939, Serial No. 277,215
3 Claims. (Cl. 244—123)

1. An airplane wing construction, comprising a spar extending longitudinally of the wing adjacent its leading edge, a second spar extending longitudinally of the wing adjacent its trailing edge, the upper and lower edges of the spars being formed with flanges lying substantially in the upper and lower wing surfaces respectively, a plurality of reinforcing members extending alternately in opposite acute angular directions between said spars to provide a triangulated truss structure, the ends of the reinforcing members being overlapped and secured to the webs of the



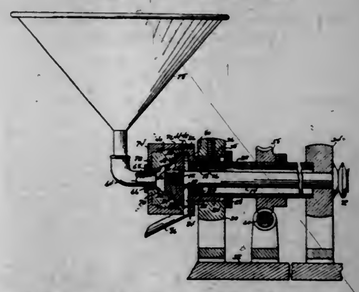
spars and the upper and lower portions of the members extending between and being secured to the flanges and the edges of the reinforcing members being shaped to provide an airfoil wing section, and continuous flexible skins secured at their opposite edges to the flanges on the spars respectively and overlying and secured to the edges of the reinforcing members between the spars.

2,362,034
SHIELD FOR ELECTRICAL CURRENTS
William F. Stahl, Evanston, Ill.
Application June 25, 1941, Serial No. 399,643
5 Claims. (Cl. 174—35)



1. A self-sustaining shield for electrical currents, comprising a rigid tubular casing of ferrous metal, a pair of spaced tubular sheets of non-ferrous metal of low electrical resistance disposed within said casing, a carrier for said tubular sheets which is of nonconducting material and to which each of said tubular sheets is adhesively secured, and means for electrically connecting said sheets of non-ferrous metal with said tubular casing.

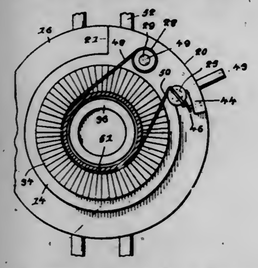
2,362,035
DISPERSION MILL
Frank A. Sullivan, Salem, Mass., assignor to Tri-Homo Corporation, Salem, Mass., a corporation of Massachusetts
Application September 8, 1942, Serial No. 457,659
2 Claims. (Cl. 83—13)



1. In a mill of the character described, a rotor, said rotor being formed with circumferential faces at each end and on its intermediate portion, said faces having a decreasing taper toward the front end of the rotor, said end faces proximat-

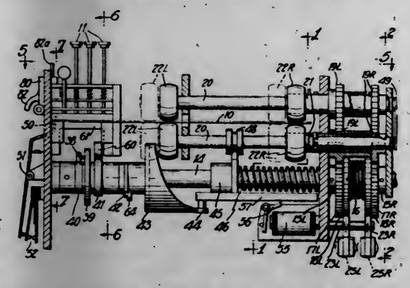
ing cylindrical surfaces and the intermediate face having a comparatively abrupt taper proximating a plane transverse to the axis of the rotor, a stator adapted to assume complementary relation with the rotor having its interior shaped to provide faces corresponding to said faces of the rotor and adapted to assume co-acting relation with the latter, the co-acting faces being formed so that in any selected clearance adjustment of the rotor the co-acting intermediate faces will be spaced apart a distance substantially greater than the distance between the co-acting faces at each end, whereby matter passing axially between the co-acting faces is subjected to dispersion in the relatively enlarged chamber provided between the intermediate faces.

2,362,036
PIPE REAMING AND CLEANING DEVICE
Benjamin F. Tade, Canon City, Colo.
Application July 26, 1943, Serial No. 496,220
8 Claims. (Cl. 51—181)



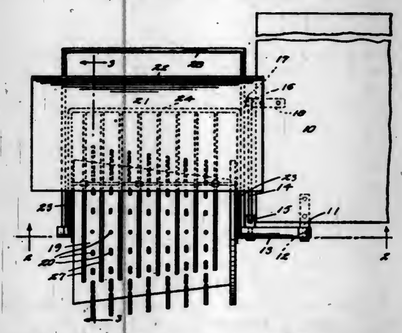
1. A device comprising a body having a guide projecting from one side thereof, a disk mounted on the body for rotation thereabout, a spool rotatably mounted on the body and extending therefrom laterally of the guide, and a stud projecting from the disk and extending in the direction of and parallel to the said spool, the arrangement being such that rotation of the disk about the body will cause the stud carried thereby to unroll an abrasive material from the spool, the said material being normally wound about the spool and having one end secured to the stud.

2,362,037
PUNCHING MACHINE
Thomas J. Watson, New Canaan, Conn., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application December 28, 1943, Serial No. 515,885
10 Claims. (Cl. 164—111)



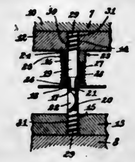
1. In a record controlled perforating or like machine, means to feed a record linearly along a normal line of feed, a pair of spaced fingers positioned and spaced on a line transverse to the line of feed and engageable by the leading edge of the record, means controlled by said fingers when both are engaged by the leading edge of the record for interrupting said feeding means, further means controlled thereby for effecting a lateral shift of said record, means controlled by the record for interrupting said lateral shift when an edge of the card parallel to the line of feed reaches a predetermined position, and means for thereafter recording upon the positioned record.

2,362,038
BALED HAY LOADING APPARATUS
William Way and Norman J. McLeod, Boulder City, Nev.
Application September 2, 1943, Serial No. 500,964
3 Claims. (Cl. 214—83)



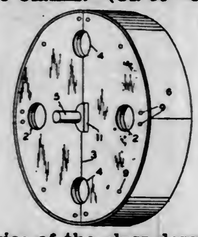
1. A device of the class described comprising a beam, means pivotally to mount said beam at the rear of a truck, pull rod means pivoted to said beam, means detachably to connect the pull rod means to the truck, a drum journaled on said beam having multitudinous peripheral spikes whereby it may engage and lift a bale, an apron to receive the bale, and means extending from the apron over the drum to dislodge the bale and move it onto the apron, as it is lifted by the drum, means to support said apron from said beam, means to pivotally mount the beam on a truck, and a guard supported by the beam extending forwardly of the said spikes.

2,362,039
PUNCH AND DIE ASSEMBLY
Lawrence V. Whistler and Sanford A. Whistler, Kenmore, N. Y.
Application December 15, 1943, Serial No. 514,583
11 Claims. (Cl. 164—124)



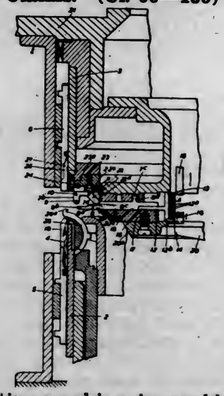
1. In combination, a comparatively thick mounting having a cylindrical opening of micrometrically determined diameter therein, and an element of a punch device having a cylindrical securing portion exteriorly concentrically true to its axis and adapted to tightly but removably fit said opening with close contact at all points of its entering region, said opening being provided with an internal screw thread having its convolutions spaced apart to provide cylindrical contact regions therebetween and said entering region being provided with an exterior screw thread and having spaced-apart contact regions providing cylindrical portions corresponding to the spaced-apart regions of said first-mentioned convolutions, the screw threads of said entering region fitting the screw threads of said opening in a comparatively loose manner and serving only to retain said element in said opening without disturbing the axial and concentric relationship between said entering region and the wall of said opening.

2,362,040
PORTABLE BULLET SHIELD
John S. White, St. Louis, Mo.
Application April 29, 1942, Serial No. 440,929
5 Claims. (Cl. 89—36)



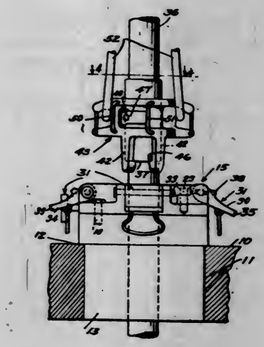
1. In a device of the class described, a plurality of semi-circular plates each provided with a base and a firing opening, thereby forming a protective shield, means for securing said plates together to provide a circular member, a detachable stand for each segment to support the same on its base in inclined position, and a wheel carried by the stand, said wheel being out of contact with the ground when the shield is in operative position but contacting therewith upon tipping of the shield.

2,362,041
MACHINE FOR PRODUCING KNITTED FABRIC
Edwin Wildt, Henry Harold Holmes, and John Cyril Herbert Hurd, Leicester, England, assignors to Wildt and Company Limited, Leicester, England, a company of Great Britain
Application April 2, 1943, Serial No. 481,607
In Great Britain March 16, 1942
10 Claims. (Cl. 66—135)



1. In a knitting machine, in combination, needles, means for feeding yarn to said needles and for causing the latter to draw loops of said yarn, wrap mechanism including individually operable thread guiding elements adapted to feed thread to and wrap it around desired needles, and mechanism including individually operable loop transferring elements adapted to transfer loops to needles, the elements being arranged suchwise that there is a thread guiding element and a transferring element for each needle required to co-operate in the production of fancy effects, and said elements being formed at their operative ends with laterally offset portions, for the purpose specified.

2,362,042
ELEVATOR AND TABLE SUPPORT FOR DRILL PIPES
Walter A. Abegg, Los Angeles, Calif., assignor to Abegg & Reinhold Company, Ltd., Los Angeles, Calif., a corporation of California
Application September 19, 1942, Serial No. 458,980
2 Claims. (Cl. 294—90)

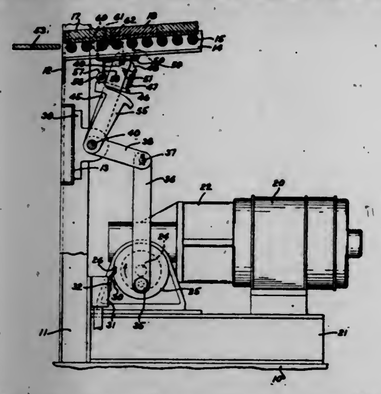


1. A tubing elevator adapted to dispose a tubing in a position of rest upon a plurality of circumferentially arranged and spaced supports on a rotary table, said elevator including a split collar, and means for securing said collar in an embracing position around the coupling portion of a tubing, said collar portions carrying downwardly extending fingers, each formed with an inner horizontal shoulder upon which the lower shoulder of the tubing coupling may rest, said fingers being designed to pass downwardly and between the circumferentially arranged supports on the rotary table, whereby the tubing may be lowered to a position to dispose the lower shoulder of the tubing coupling upon said circumferential supports.

2,362,043
ARTICLE HANDLING APPARATUS
Ezra J. Beaulieu, Downers Grove, and Milton J. Christiansen, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application April 10, 1942, Serial No. 438,440
4 Claims. (198—26)

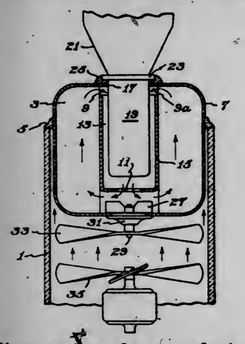
1. An article transfer apparatus comprising means for supporting articles to be transferred, a pusher arm having a pivotable upper member which advances the articles to be transferred,

a cam operated pawl associated with said pusher arm, and a pivotable member operated by said



pawl for retaining and retracting non-transferred articles.

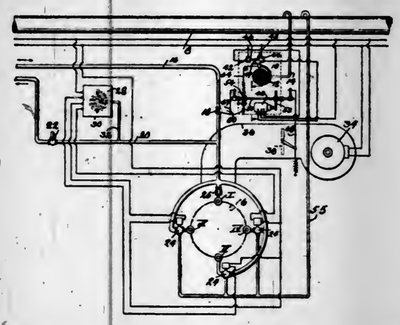
2,362,044
COOLING SYSTEM
Felix C. Blancha, Manoa, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application December 31, 1941, Serial No. 425,245
4 Claims. (Cl. 250—27.5)



1. A cooling system for an electron discharge tube comprising an open receptacle for a coolant and adapted to be closed upon the reception therein of the part of said tube to be cooled, a rotatable shaft extending through a wall of said receptacle, an impeller fixed on said shaft within said receptacle for moving said coolant about said tube part, a propeller fixed on the exterior portion of said shaft, and means for producing a circulation of air adjacent said propeller whereby to drive said propeller and hence said shaft and impeller.

2,362,045
OIL BURNING EQUIPMENT AND CONTROLLING MECHANISM THEREFOR
Harold D. Bliss, South Salem, N. Y., assignor to Theodore Nagel, Brooklyn, N. Y.
Application September 11, 1942, Serial No. 458,000
6 Claims. (Cl. 236—8)

5. An oil fired system for generating steam, comprising in combination a plurality of pressure atomizing nozzles at the firing opening of a furnace, an electrically operated oil valve for each of said nozzles, an oil supply line for said nozzles, an oil flow regulating valve in said line, a reversible electric motor connected to said oil flow regulating valve, switch mechanism for said motor under the direct control of the pressure of the steam generated to vary the setting of the oil flow regulating valve, an oil return line connected to the oil supply line at the discharge side



of the said oil flow regulating valve, and switch mechanism for said electrically operated nozzle valves connected to said oil return line, whereby variations in the setting of said oil flow regulating valve due to operation of said electric motor will vary the number of nozzles in operation.

2,362,046
GRAPHITIC STEELS
Frederick R. Bonte, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio
No Drawing. Application October 30, 1943, Serial No. 508,382
5 Claims. (Cl. 75—123)

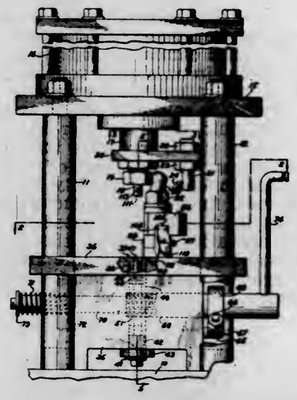
1. As a new article of manufacture, a hot worked and heat treated alloy steel article formed from steel containing about 0.5 to 2 per cent of carbon, about 0.5 to 6 per cent molybdenum, about 0.5 to 1.5 per cent of silicon, about 0.25 to 2.0 per cent of titanium, and the remainder effectively iron, and characterized by high surface hardness, by containing graphite and carbides dispersed finely through the structure, and by high resistance to wear.

2,362,047
DESK CONSTRUCTION
Charles I. Center and Wilson E. Tarr, South Bend, Ind.
Application February 27, 1941, Serial No. 380,858
14 Claims. (Cl. 45—90)



7. The combination, with a desk base having a drawer column with sliding drawers therein, of a typewriter support including parallel sides guided into position in said column in place of the uppermost drawer, an angle member on the inner end of said support, means for securing said member to the inner wall of said column, a courtesy shield secured to and depending from one lateral edge of said support, and means for securing the lower edge of said shield rigidly to the under surface of the column base.

2,362,048
MOLDING PRESS
George L. Cherry, Western Springs, Joel R. Johnson, Chicago, and Walter J. Scott, Hinsdale, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application April 7, 1943, Serial No. 482,082
7 Claims. (Cl. 25—84)



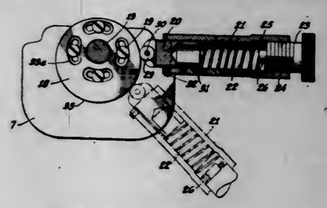
1. In a molding apparatus, movable and stationary molding dies, means for directing a blast of air to clean the movable die, means for normally holding said blast directing means in an inoperative position, and a cam member movable with the movable die for moving said blast directing means to operative position.

2,362,049
METHOD OF PREPARING ALPHA-ARYL ACRYLONITRILES
Albert M. Clifford, Stow, and John R. Long, Akron, Ohio, assignors to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
No Drawing. Application July 9, 1940, Serial No. 344,546
12 Claims. (Cl. 260—465)

1. A method of preparing acrylonitriles containing an aromatic substituent in the alpha position which comprises treating the corresponding aromatic methyl ketone with hydrogen cyanide, acetylating the cyanhydrin so formed and then de-acetylating the acetate to produce the alpha aromatic substituted acrylonitrile.

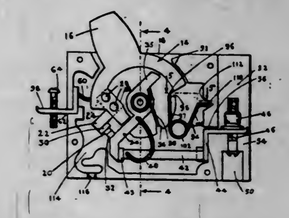
2,362,050
SPRING COUNTERBALANCE FOR DRAFTING MACHINES
Russell H. Cole, San Gabriel, and Perry F. Glover, Pasadena, Calif., assignors, by mesne assignments, to Vard, Inc., Pasadena, Calif., a corporation of California
Application September 16, 1941, Serial No. 410,996
8 Claims. (Cl. 33—79)

7. In a spring counterbalance for a drafting machine including an anchor member defining a fixed axis pivotally supporting an arm member of a parallel motion mechanism, the combination of: a cam secured to one of said members and defining a cam surface; means on the other of said members defining a tubular housing directed toward said cam surface; a cam engaging element slidably mounted in said housing and extending out of one end thereof to engage said cam surface; closure means closing the other end



of said housing; and compression spring means confined in said housing between said element and said closure means for forcing said element into engagement with said cam surface.

2,362,051
CIRCUIT BREAKER
Thomas M. Cole, New York, N. Y., assignor to Cole Electric Products Co. Inc., Long Island, City, N. Y., a corporation of New York
Application September 26, 1941, Serial No. 412,356
3 Claims. (Cl. 200—116)



3. In an electric circuit breaker, the subcombination comprising an operating member adapted to be mounted for pivotal movement, a contact member carried by said operating member in fixed relation thereto, said operating member having an axial opening, a pin passing through said opening axially of said operating member, an arm pivotally mounted on said pin at one side of said operating member and held against axial movement by a part of said pin and the adjacent side of said operating member, the other side of said operating member having a cylindrical part projecting therefrom axially thereof and provided with a recess in registry with said opening, said pin having a part thereof secured in said recess for preventing axial movement of said pin, and a contact member carried by said arm and movable by the latter into and out of engagement with said first mentioned contact member.

2,362,052
DISTILLATION OF VOLATILE WATER-INSOLUBLE MATERIALS FROM AQUEOUS POLYMER DISPERSIONS
David Craig, Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application September 23, 1943, Serial No. 503,536
10 Claims. (Cl. 202—46)

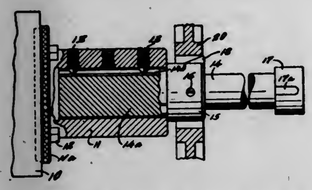
1. In a process of removing volatile substances from a soap-containing aqueous polymer dispersion by distilling said substances from said dispersion, the method of reducing the formation

of foam during the distillation which comprises including in said dispersion a water-soluble polyvalent metal salt and an alkali metal phosphate of the empirical formula

$$(Alk_2O)\frac{x}{2}(P_2O_5)\frac{y}{2}$$

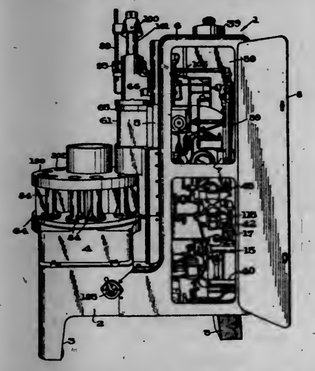
wherein Alk represents an alkali metal, x and y are small integers and the ratio of x to y is not less than 1:1, the concentration of the said alkali metal phosphate being sufficient to prevent coagulation of the said dispersion by the said water-soluble salt.

2,362,053
QUICK-CHANGE STRUCTURE FOR BORING BARS
Ephraim R. Danielson, St. Paul, Minn.
Application March 4, 1943, Serial No. 477,960
8 Claims. (Cl. 77—58)



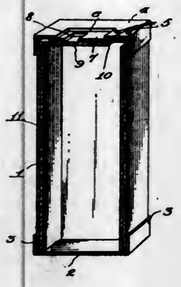
1. A device for holding a tool for doing precision work having in combination, a member supporting a cutting tool, a carrier member for said member, one of said members having a bore and the other having a portion received in said bore, one of said parts having circumferentially spaced cylindrical surfaces forming the engaging means for said bore and portion and disposed well to one side of a diameter of said bore, said cylindrical surfaces and said portion being very accurately finished to a certain diameter and said portion and bore fitting more loosely at the other side of said diameter and means for pressing said members together at said surfaces.

2,362,054
HYDRAULIC PRESS
William C. Denison, Jr., Columbus, Ohio, assignor to The Denison Engineering Company, Columbus, Ohio, a corporation of Ohio
Application November 7, 1941, Serial No. 418,154
14 Claims. (Cl. 86—37)



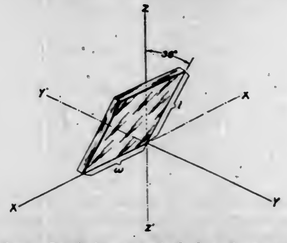
1. In hydraulic press mechanism, a head having a pair of cylindrical chambers, one of said chambers being of greater diameter than the other, a ram piston slidably positioned in said chambers and conforming to the diameters thereof, means operable when the piston is elevated to admit fluid under pressure into the chamber of smaller diameter to produce initial downward movement of the piston, valve mechanism automatically actuated following predetermined downward movement of said piston to admit fluid into the chamber of larger diameter in order to increase the effective fluid pressures applied to said piston, a third cylindrical chamber in said head, a ram-elevating piston slidably positioned in said third chamber and connected with said ram piston for movement in unison therewith, means responsive to a predetermined increase in the fluid pressures applied to said ram piston to arrest the application of fluid pressure thereto and divert the flow of fluid under pressure into said third chamber, effecting the elevation of said pistons, a work supporting-table rotatably mounted beneath said head, fluid pressure means for rotating the table, and a fluid-actuated interlocking mechanism operative to effect the rotation of the table when the pistons are idle and to retain said table against rotation during reciprocation of said pistons.

2,362,055
POWDER BOX
Beatrice Densen, New York, N. Y.
Application January 6, 1943, Serial No. 471,393
1 Claim. (Cl. 222—561)



A paper container of the character described comprising a box body closed at its top and bottom by top and bottom caps permanently secured directly to the body, the lower of which caps is imperforate and the upper of which is provided near one end with dispensing perforations in spaced relation to which is a finger opening, a dispensing slide plate entirely flat throughout and positioned beneath and in face abutting relation with the top cap and slidable with respect to the perforations in the latter to seal and unseal said perforations, a backing plate entirely flat throughout and positioned beneath and in face abutting relation with the slide plate and loosely seated in face abutting relation upon the upper edge of the body to hold the backing plate in engagement with the slide plate and the slide plate in engagement with the top cap, said backing plate being free from direct attachment to the top cap and said slide plate having an opening therein adapted to be engaged by the finger of the operator extended through the finger opening in the top cap to move the slide plate into and out of sealing relation with respect to the perforations in the top cap, and a liner positioned within the body of the box and conforming to the side walls of the box body with the lower edge of the liner seated on the interior of the bottom cap and the upper edge of the liner seated against the under side of said backing plate to assist the box body in supporting the backing plate.

2,362,056
PIEZOELECTRIC CRYSTAL
William F. Drews, River Forest, and Andrew E. Swickard, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application March 9, 1943, Serial No. 478,504
7 Claims. (Cl. 171—327)



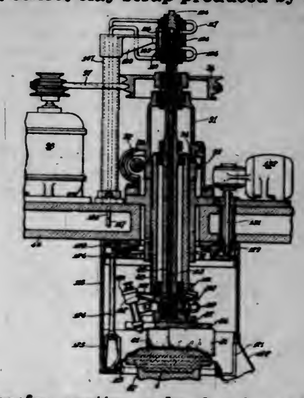
1. A piezoelectric crystal having a face shear mode of vibration of a frequency in the range from 370 kc. to 473 kc. and a thickness dimension on the order of .0160'' to .0175''.

2,362,057
PROCESSES FOR PRODUCTION OF THIONYL CHLORIDE
John P. Edwards, Niagara Falls, N. Y., assignor to Hooker Electrochemical Company, Niagara Falls, N. Y., a corporation of New York
No Drawing. Application August 11, 1943, Serial No. 498,261
7 Claims. (Cl. 23—203)

2. The process for preduction of thionyl chloride, hydrogen chloride and sulphur dioxide which comprises gradually adding free chlorine and oleum, consisting of anhydrous sulphuric acid having dissolved therein not less than one mol of sulphur trioxide per mol of sulphuric acid, to a body of reagent of the group consisting of sulphur monochloride, sulphur dichloride and mixtures of the two, with agitation and cooling to maintain the temperature of the reaction mixture at not over 45° C., while venting off the gaseous products, and recovering the thionyl chloride from the resulting liquid reaction mixture.

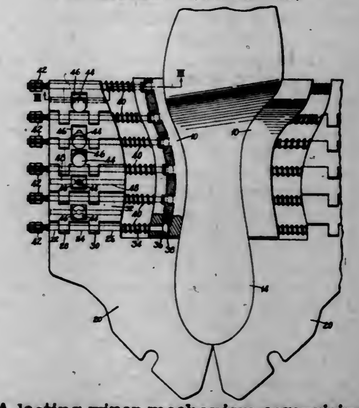
2,362,058
JIGGERING APPARATUS
Walter H. Emerson, East Liverpool, Ohio, assignor to The Homer Laughlin China Company, Newell, W. Va., a corporation of Delaware
Original application April 9, 1940, Serial No. 328,638. Divided and this application May 8, 1943, Serial No. 486,170
14 Claims. (Cl. 25—26)

1. Jiggering apparatus comprising a support provided with a vertical opening, a vertical sleeve mounted in said opening, means for adjusting the sleeve vertically, a shaft rotatably mounted in said sleeve and projecting from the ends thereof, means for rotating the shaft, a profiling tool carried by the lower end of the shaft, a casing suspended from said support and surrounding the tool and having an open bottom for receiving a clay-covered mold, the casing being formed to catch and collect clay scrap produced by the tool,



and means for continuously cleaning said scrap from the casing.

2,362,059
LASTING MECHANISM
Andrew Eppler, Jr., Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application March 30, 1943, Serial No. 481,115
27 Claims. (Cl. 12—12)



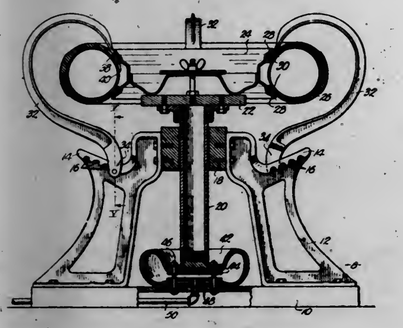
1. A lasting wiper mechanism comprising a wiper carrier constructed and arranged for advancing and retracting movements, and a resilient wiper so mounted on the carrier that the carrier exerts a direct thrust against the wiper advancing it bodily to perform an overwiping operation, said carrier and wiper being arranged for relative movement in the direction of the over-wiping movement of the wiper during the overwiping operation.

2,362,060
PLASTERBOARD
Joseph John Etridge, Norton-on-Tees, John Briscoe Sandford, Saltburn, and Victor Lefebure, London, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application September 29, 1941, Serial No. 412,896. In Great Britain February 22, 1938
9 Claims. (Cl. 154—45.9)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)

1. A composite board comprising a layer of set

water-setting cement bonded on both sides to liners of fibrous material, said cement comprising between 40 and 60 parts by weight of calcium sulphate, between 60 and 40 parts by weight of blast furnace slag, and between 1 and 15 parts by weight of an exciter comprising available lime.

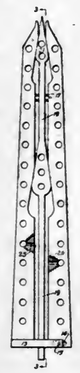
2,362,061
TIRE AND WHEEL SEPARATING APPARATUS
Melvin H. Ewing, Sabetha, Kans.
Application March 2, 1942, Serial No. 432,953
1 Claim. (Cl. 157—6)



In apparatus of the character described having a base, upstanding brackets on said base and a plurality of tire-engaging hooks swingably anchored to the base, a bearing having a circular opening; means for supporting said bearing in spaced relation above the base; a vertical standard of circular cross section journalled for longitudinal movement in the bearing relatively to said base; a table on the upper end of the standard for supporting a tire, the diameter of said bearing opening being greater than the diameter of the standard to permit limited lateral movement of the standard under uneven pressure of said hooks on the tire; a bellows at the lower end of the standard between said brackets and adapted, while being inflated, to lift the standard, and means for supplying fluid under pressure through the base to said bellows to inflate the same, said bellows comprising a hollow annulus having a continuous slot formed along that periphery of its wall having the smallest radius, a plate secured to each of the marginal edges of the annulus created by said slot, one of said plates being anchored to the base, the other of said plates being secured to the lower end of the standard.

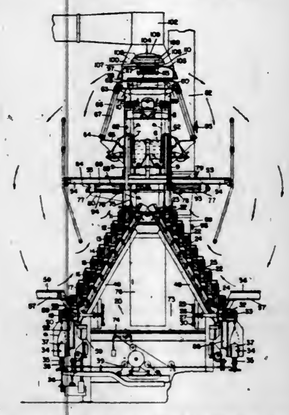
2,362,062
PELT STRETCHER
Philip F. Fishbeck, near Denver, Colo.
Application October 18, 1943, Serial No. 506,771
5 Claims. (Cl. 45—24)

2. A pelt stretcher comprising a pair of longitudinally-tapered, complementary elements each formed with a narrowed tip portion terminating in a longitudinally-projecting point, means for connecting said elements in laterally-shiftable, longitudinally-fixed, coplanar relation, said means comprising a yoke fixed to and extending laterally from a wider end of one of said elements in slidably-embracing relation with the wider end of the other element, a slot in and elongated laterally of the wider end of said slidably-embraced element between the arms of said yoke, a pin fixedly engaging between the yoke arms in traversing relation with said slot, a recess in and opening through the inner margin of one of said elements toward the narrower end thereof, a second yoke fixed at its open end in and projecting from the inner margin of the other element for slidable reception within said



recess, a pin fixedly traversing said recess between the arms of said second yoke, and a wedge-equipped member slidably supported by said yokes in the plane of and in separating relation between said elements and shiftable longitudinally for variation in the lateral separation of said elements.

2,362,063
METHOD OF AND MEANS FOR VENTILATING THREAD PROCESSING APPARATUS
Louis S. Fryer, Cleveland, and Richard F. Bergmann, Lakewood, Ohio, assignors to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware
Application December 20, 1941, Serial No. 423,826
11 Claims. (Cl. 18—8)



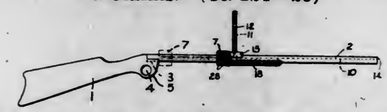
1. The method of maintaining a constant flow of fresh air across the operating face of thread-processing apparatus characterized by a plurality of operating levels comprising the steps of providing a constant supply of fresh air, discharging the air substantially directly above the uppermost operating level of the apparatus, distributing at least a portion of the supply of fresh air to each of the several operating levels comprising the apparatus, and withdrawing air at each of the several operating levels.

2,362,064
PLAY BALL
Mathilde Giesinger, New York, N. Y.
Application May 11, 1942, Serial No. 442,473
1 Claim. (Cl. 273—58)



A play missile comprising a substantially spherical hollow body formed of rubber-like material and having its walls of an even thickness at all points, spaced portions of its walls being projected outwardly to form protuberances, the said protuberances being evenly spaced from each other about the surface of the body and each being of substantially hemispherical shape and at its base merging with portions of the spherical surface of the body between the protuberances, and said protuberances being arranged in pairs disposed in opposite diagonal positions upon the spherical body, the protuberance of each pair being in substantially axial alignment with each other and having their bases substantially in the parallel planes of opposite sides of a parallelogram.

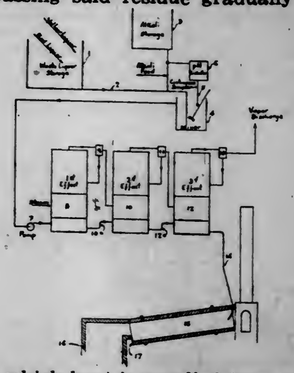
2,362,065
TOY GUN
Charles H. Hagopian, New York, N. Y.
Application June 25, 1943, Serial No. 492,261
5 Claims. (Cl. 124—26)



1. In a toy gun, a stock and barrel secured to said stock, said barrel having a groove at the top and a groove under the barrel, and an operator slidable on and encircling said barrel, and tension means secured to said barrel in the groove under the barrel, said tension means having one end secured to the barrel and its other end secured to said operator to move said operator along said barrel in one direction and a grip secured to said barrel and covering a part of said tension means, a magazine base secured to said barrel covering a part of said top groove, the end of said base and said grip stopping the travel of said operator.

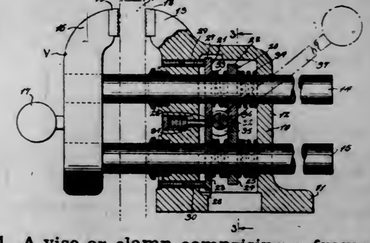
2,362,066
PROCESS FOR TREATMENT OF NITROTOLUOL WASTE LIQUORS
Ralph A. Hales, Ernest G. Almy, Aubrey A. Young, and Carl D. Pratt, Tamaqua, Pa., assignors to Atlas Powder Company, Wilmington, Del., a corporation of Delaware
Application November 7, 1940, Serial No. 364,682
9 Claims. (Cl. 110—7)

2. A process for the disposal of aqueous waste liquor obtained in the manufacture of nitrotoluene which comprises evaporating a major portion of the water from the said waste liquor while maintaining the hydrogen ion concentration of said liquor sufficiently low by means of added caustic alkali that a pH greater than 7 is maintained under the conditions of evaporating rate and temperature employed, and that the pH of condensate from the evaporating liquor is maintained at a value of at least 6, continuing said evaporating until the residue obtained contains at least 30% total solids, but a water content such that it is unignitable, and incinerating said residue by passing said residue gradually through



a zone to which heat is supplied from an outside source and in which said residue is further dried and is ignited, the temperature of said zone being maintained such that the said residue is ignited as soon as it becomes ignitable and while still moist whereby burning of a dry residue with explosive violence is avoided.

2,362,067
QUICK-ADJUSTABLE VISE
Robert O. Heinrich, Racine, Wis.
Application July 3, 1943, Serial No. 493,351
3 Claims. (Cl. 81—26)

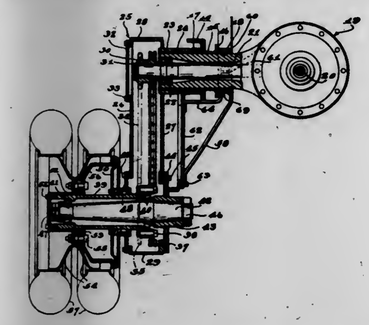


1. A vise or clamp comprising a frame, a fixed jaw on the frame, a pair of freely slidable vise beams engaging the frame, a movable jaw rigidly secured to the beams, a tiltable clamp plate for each beam, the inner ends of the clamp plates being arranged in overlapping relation, spring means engaging the plates on one side for normally urging the plates to a substantially right angular position relative to the beam, and a manually actuated member engaging the overlapping portions of the plates on the other side for rocking said plates against said spring means in the direction of the movement of the beams and movable jaw to a work clamping position.

2,362,068
TANDEM WHEEL ASSEMBLY
Hubert Hollmann, Findlay, and William G. Van Voorhis, Columbus, Ohio, assignors to The Buckeye Traction Ditcher Company, Findlay, Ohio, a corporation of Ohio
Application February 24, 1943, Serial No. 476,926
2 Claims. (Cl. 180—22)

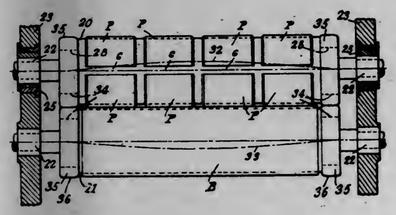
1. A machine of the class described, a main frame, a transversely disposed operating shaft,

a differential for driving said shaft and including a housing, a sleeve support forming a part of said differential housing and enclosing said operating shaft, the end portion of said operating shaft projecting beyond said sleeve support, a generally triangularly shaped tandem housing mounted for rocking movement upon said sleeve support and adapted to be slid therefrom, sprocket means fixed for rotation with said operating shaft, the parts being so proportioned that the tandem housing can be slipped from said sleeve support without removing said sprocket



means, detachable means embracing said sleeve support and connected to said housing for retaining said tandem housing in place on said sleeve support but enabling rocking movement of the tandem housing, a pair of axles carried by and rigid with the lower portions of said tandem housing on opposite sides of said sprocket means, wheel hubs rotatable respectively on said axles, sprockets fixed to said wheel hubs, chain connections between said last sprockets and said sprocket means respectively, and wheels carried by said hubs respectively.

2,362,069
PRINTING CYLINDER BEARER
William F. Huck, Richmond Hill, N. Y., assignor to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York
Application June 1, 1942, Serial No 445,334
11 Claims. (Cl. 101—216)



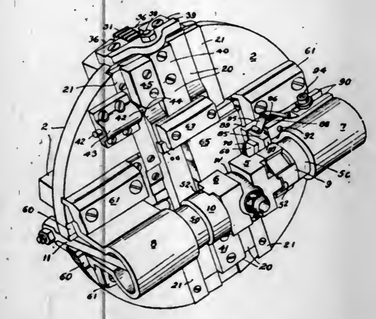
1. The combination with coacting printing cylinders, of coacting bearers supported by the cylinders in rolling engagement, each bearer having a cylindrical bore forming an inner surface to engage its supporting cylinder, annular surfaces at each end of the bore and a peripheral face in concentric relation with the bore, the thickness of the bearer as defined by the radial distance between the bore and the peripheral face being greatest at an axially intermediate portion and this thickness gradually reduced at each side of the point of greatest thickness.

2,362,070
PREPARATION OF ISOCYTOSINE
Martin Everett Hultquist, North Plainfield, N. J., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application May 15, 1941, Serial No. 393,669
8 Claims. (Cl. 260—251)

1. A method of producing isocytosine which comprises mixing an alkali metal formylacetic ester, a guanidine salt and an alkali metal hydroxide together and reacting said compounds under such conditions so as to produce isocytosine and separating the isocytosine formed.

2. A method of preparing isocytosine which comprises mixing an ester of formic acid, an ester of acetic acid and an alkali metal alkoxide to form alkali metal formylacetic ester and adding to said reaction mixture a guanidine salt and then adding an alkali metal hydroxide and reacting said compounds under such conditions so as to form isocytosine and separating the isocytosine.

2,362,071
INDEXING CHUCK
Fred Hunziker, Cleveland, Ohio, assignor of one-half to The W. J. Schoenberger Company, Cleveland, Ohio, a corporation of Ohio
Application March 19, 1943, Serial No. 479,760
17 Claims. (Cl. 279—5)

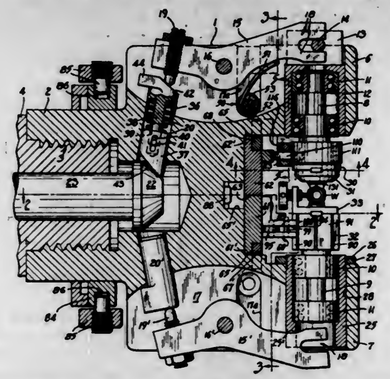


1. An indexing chuck having a gripping jaw assembly rotatable on an axis transverse to the main axis of rotation of the chuck for enabling indexing of the work, a slide movable transverse to said main axis during rotation of the chuck, a fluted head on the jaw assembly providing radially disposed arms spaced equally about the axis of the head, means on the slide arranged to index the work by intermittent engagement with the arms, said means including a follow-up rigid indexing and locking means which engages relatively leading and trailing surfaces of adjacent arms of the head to lock the head in indexed position against turning in opposite directions.

2,362,072
INDEXING CHUCK
Fred Hunziker, Cleveland, Ohio, assignor of one-half to The W. J. Schoenberger Company, Cleveland, Ohio, a corporation of Ohio
Application October 15, 1943, Serial No. 506,414
23 Claims. (Cl. 279—5)

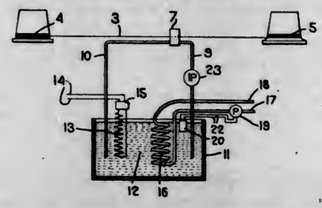
1. An indexing chuck comprising a rotary head provided with work supporting means indexable on an axis extending at right angles to the rotational axis of the head, an indexing slide on the head, a ratchet wheel on the work supporting

means, and plural indexing pawl means on the slide in spaced relation lengthwise thereof for selective indexing operations on the ratchet wheel



different angular distances corresponding to different distances of reciprocation of the slide, and means for reciprocating the slide such different distances.

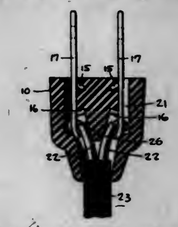
2,362,073
WIRE DRAWING
Charles D. Johnson, Worcester, Mass., assignor to Johnson Steel & Wire Company, Inc., Worcester, Mass., a corporation of Massachusetts
Application February 5, 1943, Serial No. 474,856
6 Claims. (Cl. 205—13)



1. A wire-drawing apparatus comprising a drawing die, a chambered holder therefore, means to circulate a heated liquid through the chamber of said holder, and means responsive to changes in the temperature of said liquid to maintain the temperature thereof within a predetermined temperature range which is best suited for the wire-drawing operation regardless of the amount of heat generated by the drawing of the wire through the die or the heat loss from the die due to radiation.

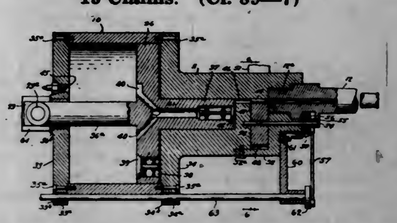
2,362,074
CONNECTOR PLUG
Carl H. Judisch, New Haven, Conn., assignor to The Whitney Blake Company, New Haven, Conn., a corporation of Connecticut
Application August 30, 1941, Serial No. 408,976
2 Claims. (Cl. 173—361)

1. A connector plug of the type described, comprising a one-piece body of resilient material having a pair of passages extending inwardly from one side thereof and converging to form a cavity open at the opposite side of said plug, the adjacent walls of said passages having spaced transversely extending notches formed therein, the opposite wall of each passage being formed with a longitudinally extending groove coextensive therewith; a pair of contact prongs each having a conductor secured thereto, said contact prongs being simultaneously insertable through the cavity and into said passages; and tangs spaced longitudinally of the contact prongs fitting in said notches for locking the contact prongs in said passages when the same are in the proper assembled position in the body, the passages being of such size and shape relative to the size and shape of said cavity as to permit a pair of pulling members having prong mounting means on the outer



faces thereof to enter the plug by said grooves and pass through the plug in converging straight line paths of movement without distorting the material thereof whereby said prongs may be mounted to said mounting means and pulled back into proper assembled position in said passages as the pulling members are retracted in diverging straight line paths of movement, the mounting means riding in said grooves during at least a portion of the movements of said pulling members.

2,362,075
ORDNANCE
Frank S. Keahey, Jr., Detroit, Mich., assignor of eighty-five one-hundredths to Eunice M. Keahey, eight one-hundredths to Paul Oren, and seven one-hundredths to Edward M. Apple, all of Detroit, Mich.
Application March 25, 1941, Serial No. 385,126
13 Claims. (Cl. 89—7)

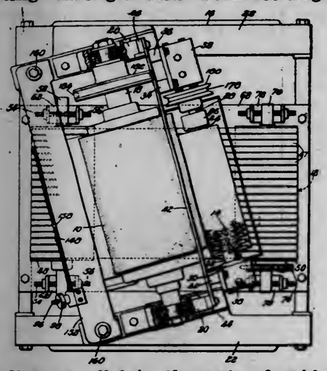


1. In a gun of the character described, the combination of a large primary cylinder, a comparatively small secondary cylinder, a piston in said primary cylinder having an extension forming a piston for said secondary cylinder, an exhaust outlet for said secondary cylinder, means adapted to charge the said primary cylinder with an explosive mixture, and a controlled passageway connecting said primary and said secondary cylinders and arranged to permit the entrance of an explosive charge into said secondary cylinder from said primary cylinder.

2,362,076
BUFFING MACHINE
Norwood H. Knowlton, Rockport, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application September 8, 1943, Serial No. 501,551
8 Claims. (Cl. 51—76)

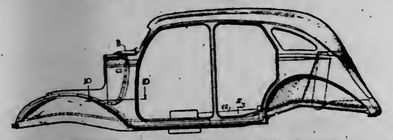
1. A buffing machine, comprising a buffing roll, flexible work-feeding means driven in a direction

oblique to the axis of said buffing roll, and a plurality of individually yieldable members engaging and acting through said work-feeding means



along a line parallel to the axis of said buffing roll for causing the work-feeding means to press the work against the buffing roll.

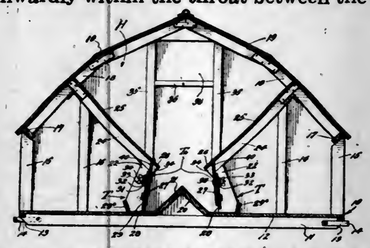
2,362,077
VEHICLE CONSTRUCTION AND METHOD OF ASSEMBLING SAME
Joseph Ledwinka, George Trautvetter, and John W. Kelly, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Original application April 20, 1936, Serial No. 75,374. Divided and this application February 20, 1941, Serial No. 379,762
5 Claims. (Cl. 296—28)



1. In a vehicle body, in combination: a wheel housing; a first panel forming at least part of the skirt and the crown of said wheel housing; a second panel; said first panel having an integral portion which extends, when viewed from the interior of the wheel housing outwardly beyond the confines of the wheel housing proper for a distance at least several times greater than the width of a mere connecting flange; said first panel and its extension supporting and being covered by said second panel constituting part of the outer body surface; and means for removably securing said second panel to said first panel in a region spaced from the confines of the wheel housing proper.

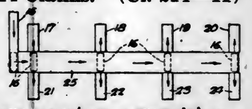
2,362,078
GRAVITY FEED ANIMAL FEEDER
Elmer S. Lee, Woodbine, Iowa
Application October 31, 1942, Serial No. 464,077
3 Claims. (Cl. 119—53)

1. A grain feeder for animals comprising a flat floor structure, an upstanding camel back extending along the floor structure, a hopper structure including downwardly converging bottom walls, the lower edges of said bottom walls being spaced apart and arranged at opposite sides of and in a plane above the high point of the camel back of the floor structure, throat walls positioned at opposite sides of the camel back and extending from the lower extremities of the bottom walls of the hopper to points spaced above the floor structure, said throat walls being in downward divergence, the bottom walls of the hopper having their lower portions extending beyond the top edges of the throat walls and forming eaves spaced from the throat walls and projecting downwardly within the throat between the throat



walls to provide feed breakers, the throat between the throat walls being short, the high point of the camel back being at a point not less than the vertical center of the throat, said throat walls immediately adjacent to the bottom walls of the hopper being provided with air openings, the space between the lower margins of the throat walls and the floor structure constituting trough mouths, and an upstanding trough wall carried by the floor structure outwardly of each throat wall and spaced therefrom.

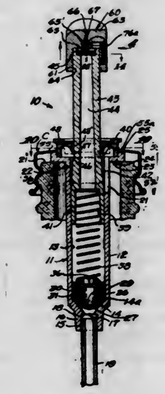
2,362,079
CONVEYER APPARATUS
Paul S. McCann, La Grange, and Alexander N. Todoroff, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application December 12, 1942, Serial No. 468,790
14 Claims. (Cl. 214—11)



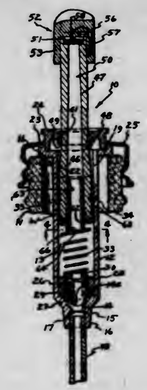
1. A conveyer system comprising a main conveyer and a cross conveyer, a sereis of processing stations positioned in pairs on opposite sides of said cross conveyer, means for feeding articles from the main conveyer to the cross conveyer, means adjacent each pair of processing stations for blocking movement of articles beyond said processing stations, means operable in either of two directions for feeding articles off the cross conveyer to the processing stations on opposite sides of the cross conveyer, a plurality of call buttons, one adjacent each processing station, an electrical switching mechanism operable under control of said call buttons to register the sequence of operation of the call buttons, and means controlled by said switching mechanism for controlling the feeding of articles from the main conveyer to the cross conveyer and for controlling the direction of operation of the means for feeding the articles off the cross conveyer to the processing stations.

2,362,080
DISPENSING DEVICE
Andrew M. Martin, Los Angeles, Calif., assignor to Wilco Company, Los Angeles, Calif., a copartnership composed of Andrew M. Martin and James A. McNeill
Application October 26, 1942, Serial No. 463,420
4 Claims. (Cl. 222—321)

3. In a pump unit of the character described, a pump barrel, a plunger within the barrel and having a stem portion extending outwardly beyond the end of the barrel, an external annular flange at said one end of the barrel, an upstanding annular flange on the last named flange, a centrally apertured container cap overlying the upstanding flange with the cap aperture in substantial register with the inner wall of the upstanding flange, a retainer ring encircling the stem portion of the plunger and fitting within the upstanding annular flange, and an external annular flange on the retainer ring and overlying that part of the container cap which overlies the upstanding flange.

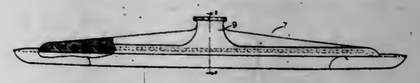


2,362,081
PUMP UNIT FOR SPRAY OR JET DEVICES
Andrew M. Martin, Los Angeles, Calif., assignor to Wilco Company, Los Angeles, Calif., a copartnership composed of Andrew M. Martin and James A. McNeill
Application April 26, 1943, Serial No. 484,533
9 Claims. (Cl. 103—188)



1. In a pump unit of the character described, a vertically extending, cylindrical pump barrel, a pump plunger within and slightly annularly spaced from the barrel, the barrel and plunger being made of relatively hard material, and a relatively soft and pliable sealing circular washer applied to the lower end face of the plunger and extending into peripheral engagement with the barrel.

2,362,082
TROLLEY EAR
Samuel S. Matthes, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application May 29, 1943, Serial No. 489,248
9 Claims. (Cl. 191—43)



1. A conductor support comprising an elongated metal body having spaced lips forming a groove to receive a trolley wire and connected at each end by a bight, the bights for a limited distance from each end of the body conforming in shape and size to the trolley wire, the portion of the body between said bights being raised with respect to the said limited portions whereby the inner surface of said raised portion is spaced from a longitudinal plane coinciding with the inner surface of said bights whereby a continuous channel is formed within said body by said raised portion, a plurality of openings extending through the body along the said raised portion and communicating with the said channel, the openings being of less width than that of the channel opening and a metal support secured to said raised portion by casting the support along the outer surface of said raised portion and throughout the entire length of said channel and integrally united by cast metal extending through said openings.

2,362,083
ICE COLOR PRODUCING COMPOSITIONS
Jerry Michael Mecco, Somerville, N. J., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application September 10, 1942, Serial No. 457,859
7 Claims. (Cl. 8—45)

1. A stable dry composition capable of producing ice colors comprising an ice color coupling component, a mono alkali metal aluminate and an ice color diazo compound having the following formula:

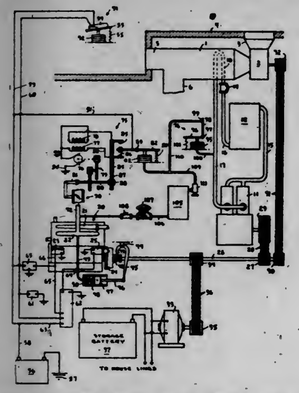
$$R—N=N—R'$$

stabilized against azoic coupling in alkaline medium in which R is the residue of the ice color diazo component, R' is the residue of a stabilizer linked to the azo group through a nitrogen atom.

2,362,084
AIR CONDITIONING SYSTEM
Leo B. Miller, Milwaukee, Wis., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Original application July 16, 1937, Serial No. 154,023, now Patent No. 2,284,914, dated June 2, 1942. Divided and this application November 3, 1941, Serial No. 417,601
5 Claims. (Cl. 62—4)

1. In an air conditioning system, in combination, a heat exchange device, means for passing air into heat exchange relationship with said device for a conditioning action, means for causing a flow of heat exchange medium through said device comprising a compressor, an internal combustion engine for driving said compressor, said engine having an intake manifold, a variable speed controller for said internal combustion engine, a fluid actuated device for causing movement of said variable speed controller, means for supplying actuating fluid to said fluid actuated

device, said last mentioned means including a fluid flow controlling device responsive to a load condition on the system for controlling the supply of actuating fluid to said fluid actuating device, and a connection to the intake manifold of the engine for inducing flow of said actuating fluid.

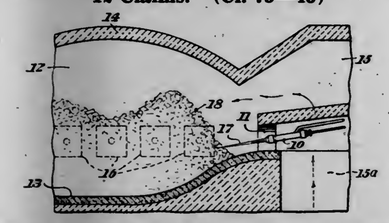


2,362,085

METHOD OF HEATING OPEN-HEARTH FURNACE CHARGES

Guy J. Morgan, Poland, Ohio

Application April 13, 1942, Serial No. 438,704
12 Claims. (Cl. 75—43)



12. In a method of heating an open-hearth furnace charge, the steps including fusing a small area on a pile of scrap in the furnace by a sharp, oxidizing flame, discharging a jet of compressed primary air centrally of said flame thereby blowing a hole into the pile, adjusting the flame to heat the pile interiorly, then, when the scrap is melted, adjusting the air supply to convert the flame to a soft luminous flame effective on the bath for working the charge during the addition of other components and finally converting the flame to a highly reducing flame effective on the bath for holding the charge toward the end of the heat.

2,362,086

VOLUME STABILIZED ACID ABSORBING RESIN

Robert J. Myers, Elkins Park, and John W. Eastes, Philadelphia, Pa., assignors to The Resinous Products & Chemical Company, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application August 26, 1941, Serial No. 408,326
18 Claims. (Cl. 260—9)

1. In the process of preparing resins from a methylol-forming phenol, formaldehyde, and a non-aromatic amine having hydrogen available for substitution on the amino nitrogen, said resins being suitable for the absorption of acidic constituents from fluids, the improvement which comprises reacting 90 to 60 parts of the water-soluble condensation product of said phenol, formaldehyde and said amine at about 80° C. to about 100° C. in an aqueous dispersion with 10 to 40 parts of a carbohydrate selected from a member of the class consisting of carbohydrates which reduce Fehling's solution and carbohydrates which yield reducing substances when heated in an aqueous solution of the said water-soluble condensation product, continuing reacting same until an aqueous gel is formed, and heating said gel between about 75° C. and about 135° C. until a water-insoluble resin is formed.

2,362,087

SULPHANILAMIDO-THIAZOLES

George Newbery, Hutton Mount, England, assignor to May & Baker, Limited, London, England, a company of Great Britain and Northern Ireland

No Drawing. Application May 29, 1939, Serial No. 276,416. In Great Britain June 3, 1938
14 Claims. (Cl. 260—239.6)

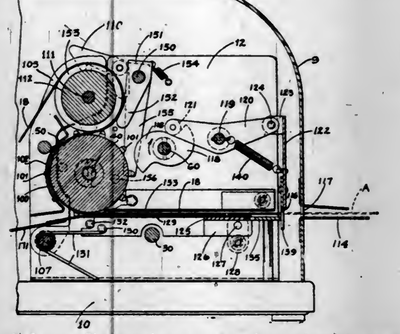
1. As a new chemical compound 2-(p-aminobenzene-sulphonamido)-5-methyl thiazole.

2,362,088

FORM DISPENSING APPARATUS

Walter B. Payne, Rochester, N. Y., assignor to The Todd Company, Inc., Rochester, N. Y., a corporation of New York

Application December 19, 1942, Serial No. 469,537
10 Claims. (Cl. 164—49)



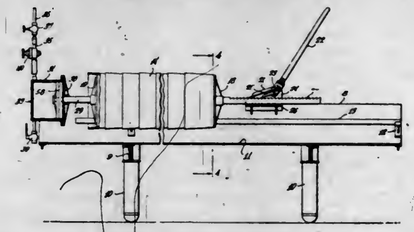
1. A form dispensing apparatus wherein a continuous strip of preprinted form material having longitudinally spaced feed apertures is advanced through predetermined distances to present successive forms in strip severing position and there transversely divided into a succession of individual forms, including a feeding device having spaced pins for positive engagement with the strip apertures and being adapted to intermittently advance the strip in one direction to severing position, an intermittently operated severing device for transversely dividing the strip progressively with its advancement, an oscillatable driving means, a full stroke mechanism associated with said driving means, ratchet drive mechanism connecting said driving means with said feeding device and being adapted to actuate the feeding device solely during the forward stroke of the driving means, a second ratchet drive mechanism connecting said driving means with said severing device and being adapted to actuate the severing device solely during the return stroke of said driving means, and manual means for oscillating said driving means.

2,362,089

CHEESE PRESSING APPARATUS

Norman J. Peters, Fond du Lac, Wis., assignor to Damrow Brothers Company, Fond du Lac, Wis., a corporation of Wisconsin

Application July 24, 1942, Serial No. 452,179
2 Claims. (Cl. 100—55)



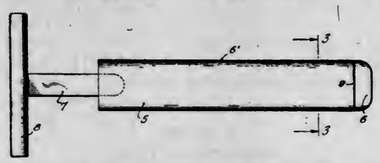
1. In a cheese pressing apparatus having a frame, a pressing head comprising a horizontally disposed hydraulic cylinder having laterally disposed anchoring lugs intermediate the top and bottom of said cylinder but offset from a horizontal plane passing through the axis of the cylinder so as to displace said axis farther or nearer to said frame, to which said lugs are secured, depending upon which side of said lugs are uppermost, a ram structure including a piston working in said cylinder, and means for supplying said cylinder with operating fluid for moving said piston.

2,362,090

CHEESE TRIER

Norman J. Peters, Fond du Lac, Wis., assignor to Damrow Brothers Company, Fond du Lac, Wis., a corporation of Wisconsin

Application November 21, 1942, Serial No. 466,517
2 Claims. (Cl. 30—115)



1. A cheese trier comprising a gouge-like body member for insertion into the cheese to cut out a plug and having rounded sides at its cutting end, and cutting means at the outer end portion of said body member projecting inwardly from points adjacent the top edges of the sides of said member back from its cutting edge to assist in removing the plug.

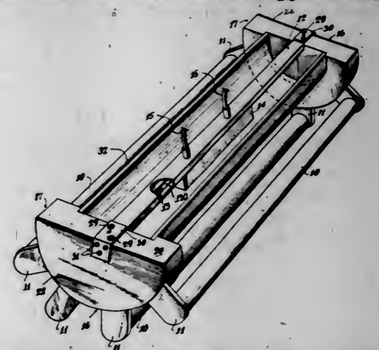
2,362,091

LIGHTING FIXTURE

Peter J. Parlato, Harrington Park, N. J.

Substituted for abandoned application Serial No. 414,438, October 10, 1941. This application April 24, 1943, Serial No. 484,439
3 Claims. (Cl. 240—78)

1. In a lighting fixture the combination comprising a pair of spaced-apart hollow end elements each having an enclosed chamber therein, reflector supporting ledges on said end elements, an elongated channel-shaped frame element extending between and secured to said end elements, said frame element having the channel therein permanently closed on the top side thereof and a longitudinally extending slot in the bottom side, removable plate means closing the slot, a ballast carrying casing mounted beneath said frame element and supported thereby, electrical conductors enclosed in said frame element by said plate means and extending from said ballast carrying casing into the chambers in said end elements, at least one pair of electric-light socket supports with one thereof anchored in each of said end elements and extending through a wall thereof, a pair of electric-light sockets with one thereof mounted on one of said socket supports and the other mounted on the other socket support exteriorly of said end elements for support therebetween of an electric-light tube below said frame element, said sockets being connected to said electrical conductors in the chambers through said socket supports, and a transversely curved reflector of sheet material removably supported directly upon and solely by said ledges beneath said frame element and said casing and between said frame element and a line extending through said sockets.



2,362,092

DECORATIVE ARTICLE

Marshall C. Phelps, East Orange, N. J.

Application July 12, 1941, Serial No. 402,248
4 Claims. (Cl. 41—10)



1. As an article of manufacture, a decorative unit comprising a flexible web of opaque metallic material, a co-extending flexible web of non-fibrous light-reflecting organic plastic material of width less than said opaque metallic material, so arranged that one edge of the web of said plastic material coincides with one edge of said opaque metallic material, at least a portion of the opposite edge of said opaque material being fringed, said decorative unit bearing indicia extending over the unfringed portion thereof, a supporting element attached to said unit adjacent to the marginal edge opposite said fringed portion and binding means to hold the webs together.

2,362,093

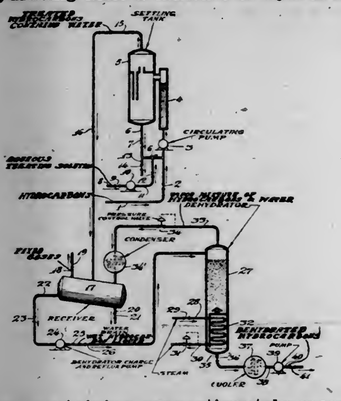
DEHYDRATION OF NORMALLY GASEOUS HYDROCARBONS

Robert Pyzel, New York, N. Y., and Clarence G. Gerhold, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application July 31, 1941, Serial No. 404,890
4 Claims. (Cl. 202—42)

1. A method for separating water from a mixture thereof with liquefied normally gaseous par-

affin hydrocarbons, which comprises introducing the water-containing hydrocarbon liquid to a settling zone and therein separating water from hydrocarbons, removing wet hydrocarbon liquid from said zone and introducing the same to a dehydrating zone, vaporizing from the liquid in the dehydrating zone a mixture of hydrocarbons

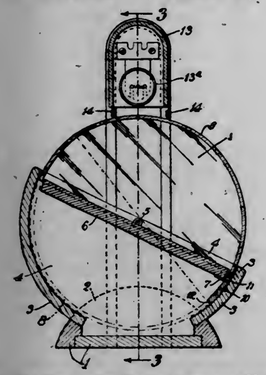


and water containing proportionately more water than the liquid charged to the dehydrating zone, condensing the vapor mixture from the dehydrating zone and introducing the condensed hydrocarbons and water to the settling zone, and removing dehydrated hydrocarbon liquid from the dehydrating zone.

2,362,094
POLYMERIC DIHALO-ETHYLENE COMPOUND
Mary W. Renoll, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application July 19, 1940, Serial No. 346,346
8 Claims. (Cl. 260—92.5)

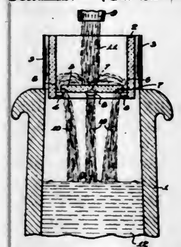
1. Polymeric 1-chloro-1-fluoro-ethylene.

2,362,095
COMBINED DISPLAY CASE AND LIGHT SOURCE THEREFOR
Paul M. Ressinger, Chicago, Ill.
Application July 10, 1941, Serial No. 401,776
3 Claims. (Cl. 240—6)



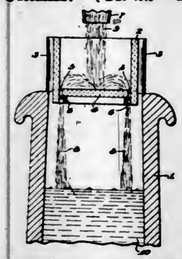
1. In a display device, a normally fixed base, display tray means mounted on said base, a light shade mounted in general vertical alignment with said display tray means, a light source in said shade, supporting means for said light shade located at the ends of the light shade and the base, said supporting means defining with the light shade a free space, and a transparent housing enclosing said display tray means and movably mounted on said base and extending into the free space defined by the light shade and the end supports for the light shade, and movable into and out of enclosing position without contacting said light shade, said transparent housing being formed entirely of transparent material.

2,362,096
INGOT CASTING
Andrew R. Rowe, McKeesport, Pa., assignor to Harbison-Walker Refractories Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application August 17, 1943, Serial No. 498,940
13 Claims. (Cl. 22—147)



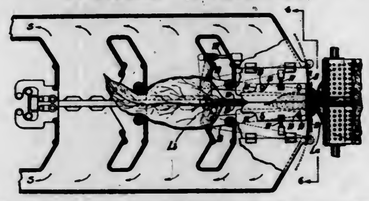
1. An ingot casting apparatus comprising a refractory tubular hot top having at its lower end an inwardly projecting member for carrying a plate member, a refractory plate member disposed within said hot top and adapted to rest upon said inwardly projecting member with its edges spaced from the walls of the hot top to provide substantial clearance for molten metal poured into the hot top to pass therebetween, and one of said members being provided with means providing for free drainage of metal into the mold from the space between the edges of said plate and the hot top walls.

2,362,097
INGOT CASTING
Andrew R. Rowe, McKeesport, Pa., assignor to Harbison-Walker Refractories Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application September 28, 1943, Serial No. 504,115
7 Claims. (Cl. 22—147)



3. An ingot casting apparatus comprising a tubular refractory hot top having at its lower end inwardly projecting spaced finger members adapted to support a plate member, a refractory plate member disposed within said hot top and adapted to rest upon said fingers with its edges spaced from the walls of the hot top to provide substantial clearance for molten metal poured into the hot top to pass therebetween.

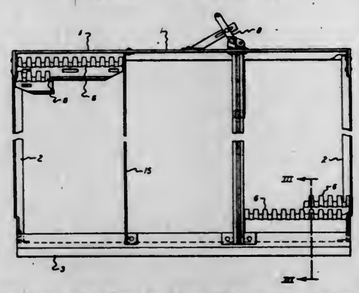
2,362,098
LEAF ENTERING AND CENTERING MECHANISM FOR TOBACCO STRIPPERS
Rupert E. Rundell, Rockville Centre, N. Y., assignor to International Cigar Machinery Company, a corporation of New Jersey
Application January 18, 1940, Serial No. 314,474
16 Claims. (Cl. 131—147)



1. In a tobacco leaf stripper, the combination with a suction spreader box having an air inlet through which the tobacco leaves emerge from the box, of members for gripping the stem butts of tobacco leaves and advancing them butt first through said box and out said air inlet, gates adjacent said air inlet, and mechanism for partially closing said gates while the tip end of the leaf is emerging through the air inlet, whereby the extent of the air inlet is reduced sufficiently to prevent deflection of the tip end of the leaf by the current of air entering said inlet.

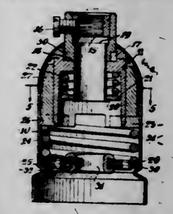
6. In a tobacco leaf stripper, the combination with an endless series of grippers, of mechanism for moving said grippers in an endless path, a conveyor for advancing tobacco leaves transversely of the path of said grippers, means for raising the stem butts of leaves advanced by said conveyor into a position extending lengthwise of the path of the grippers to be seized by said grippers, and a device for supporting the extreme tip of the stem butts to prevent dropping thereof below the range of action of the grippers and maintain the stem butts in a position parallel to the path of said grippers, said grippers being provided with members arranged to engage the top of the stem about to be gripped, to assure the desired position thereof parallel to the path of the grippers.

2,362,099
SIEVE FRAME
Donald E. Sargent, Jackson, Mich., assignor to Reynolds Spring Company, Jackson, Mich., a corporation of Delaware
Application November 12, 1942, Serial No. 465,327
2 Claims. (Cl. 209—394)



2. A sieve, chaffer or the like of the type when in use is supported substantially horizontally and air is blown upwardly through the separating elements whereby grain falls downwardly through the sieve by gravity, comprising a framework including side portions, said side portions having narrow upright portions located at the extreme outer limit of the side frame and presenting a narrow attachment flange at the top of the side portions, the lower portions of said side portions being triangular in cross section and constituting an integral part of said upright portions, one side of said triangular section constituting a grain deflector located on the inside of the side portions and extending downwardly and inwardly from a point adjacent said narrow upright portions, rods for supporting separating means supported at their opposite ends in said narrow upright portions, and separating means supported on said rods and filling the area between said side portions.

2,362,100
UNIVERSALLY ADJUSTABLE SWIVEL UNIT
Nathan Rodney Schwartz, New York, N. Y.
Application January 23, 1943, Serial No. 473,417
6 Claims. (Cl. 287—23)

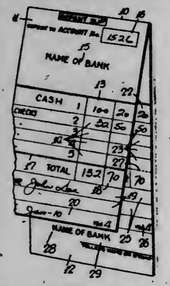


1. A swivel unit for attachment to a support having electric wires extending therefrom comprising a housing, a spherical member therein, a hollow conductor in said spherical member extending upwardly beyond said housing, a washer, said conductor terminating in means at one end retaining said washer and terminating in means at the other end engaging endwise against said spherical member, a compression spring on said washer cooperating with said spherical member tensionally retaining said conductor in frictional engagement in said spherical member, means formed at the lower end of said conductor to retain said spring in operative position, means in the upper end of said conductor for attachment of said swivel unit to a support, a compression spring to urge said swivel member upwardly in said housing, a washer on which said spring rests, means formed with said housing and washer to retain said washer in said housing, slots in said housing, said conductor adapted to be entered therein, said conductor adapted to be turned rotatively on its axis, means cooperating between said conductor and said spherical member to limit the rotative movement of said conductor, and a central vertical bore in said conductor and spring for the passage of electric wires therethrough.

2,362,101
BANKING DEPOSIT-TICKET DEVICE
Paris E. Shields, New York, N. Y., assignor to Checkmaster Plan Inc., New York, N. Y., a corporation of New York
Application February 15, 1944, Serial No 522,417
1 Claim. (Cl. 282—27)

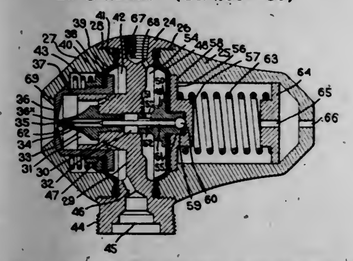
A banking deposit-ticket device comprising a flat element doubled upon itself to define superposed blanks of different lengths, the top blank having appropriately designated spaces on the upper region thereof to receive notations as to the cash and checks deposited, said blank having in the lower region thereof a single space for indicating the total deposit, as well as appropriately designated spaces to receive notations

as to the depositor's identity, the nether blank having substantially the same designated spaces in position for registry with the aforesaid spaces on the top blank, means between the blanks for automatically duplicating said notations on the corresponding spaces on the nether blank, and a weakened line on said nether blank arranged between (*a*) the spaces intended to receive the notations as to cash and checks deposited and (*b*) the spaces intended to receive the notations as to the depositor's identity and said single space for indicating his total deposit, whereby a separation of said blanks from each other and



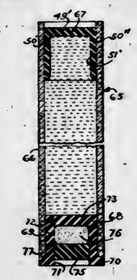
a splitting of the nether blank along said weakened line will provide correlated pieces constituting a deposit-ticket, a teller's record, and a depositor's receipt, the top blank being the deposit-ticket, the upper section of the nether blank being the teller's record of itemized deposits including a cash record, the lower section of the nether blank being the depositor's receipt, said depositor's receipt on the nether blank having a space projecting beyond the end of the top blank and bearing receipt-acknowledging indicia on said projecting portion to afford space for validation by the teller.

2,362,102
SELF-CLEANING ATOMIZER
Herman F. Simon, Lunenburg, Mass., assignor to Parks-Cramer Company, Fitchburg, Mass., a corporation of Massachusetts
Original application February 25, 1942, Serial No. 432,234. Divided and this application June 7, 1943, Serial No. 489,973
18 Claims. (Cl. 299—59)



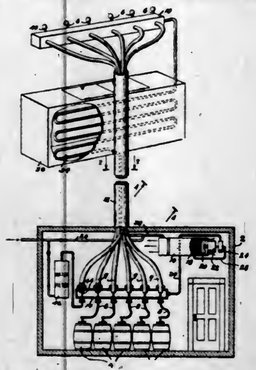
1. A self-cleaning atomizer comprising a head having chambers respectively for a liquid under superatmospheric pressure and for a gaseous fluid under a pre-determined correlated superatmospheric pressure provided respectively with outlets normally so positioned during the operation of the atomizer as to cause the liquid to be vaporized by the current of gaseous fluid, and cleaning means for the respective outlets operable respectively by interruption of the fluid pressures of the gaseous fluid and of the liquid to penetrate and clean the respective outlets.

2,362,103
AMPOULE
Arthur E. Smith, Los Angeles, Calif.
Original application January 4, 1941, Serial No. 373,127. Divided and this application November 13, 1942, Serial No. 465,433
1 Claim. (Cl. 128—272)



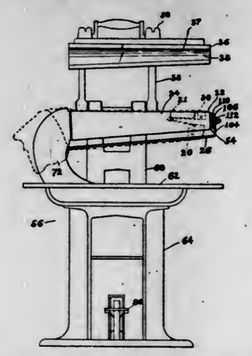
In an ampoule, an elongated cylindrical glass body having a plunger stopper in one end thereof, said plunger stopper being made of rubber and having a recess in one end thereof, a container stopper in the other end of said body, said container stopper comprising a body portion having an enlarged flange engaging the adjacent end of the ampoule body, said container stopper having an outwardly opening recess therein, the portion of the body at the bottom of the recess being severed substantially in alignment with the adjacent side wall of the recess except for a small hinge portion, thus forming a trap door, the severed portion of the trap door having a concave peripheral wall, and the portion of the container stopper body engaged by the trap door having a convex portion for engaging the concave periphery of the trap door, and a disk member seated in said container stopper recess, said disk member having a concave peripheral wall, said recess and said disc being of substantially the same diameter, so that upon said disc being seated in said recess said disc is compressed so that a portion of the side walls of said recess bulge into said concave peripheral wall to form a positive seal, and a medicament preparation adjacent the disk member and within the container stopper recess.

2,362,104
BEVERAGE DISPENSING APPARATUS
Leonard C. Smith, New York, N. Y.
Application May 13, 1942, Serial No. 442,743
2 Claims. (Cl. 225—40)



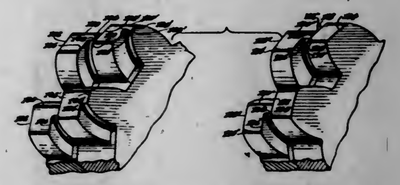
1. In apparatus for dispensing beverages, the combination of a cooling chamber, containers of cooled beverage therein, a dispensing point or station including a faucet for each container remote from the containers, a beverage tube extending from each of the said containers to the said faucets, a closed cooling conduit system independently surrounding each of said tubes and faucets, a cooling machine in said chamber, and a pump for circulating water through said cooling machine and conduits, about said faucets and back through the cooling machine.

2,362,105
APPARATUS FOR PRESSING GARMENT SLEEVES
Sander Steinberg, Altoona, Pa., assignor to said Steinberg and Chester A. Miller, copartners, doing business as Altoona Sanitary Laundry, Altoona, Pa.
Application May 15, 1941, Serial No. 393,576
4 Claims. (Cl. 38—12)



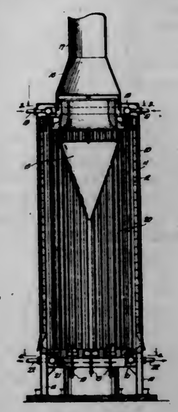
2. In a press for applying the pressure thrust of a pressing head platen movable only in a single plane substantially at right angles to a portion of a garment sleeve covering a buck platen movable only for rotation substantially in the same plane, a frame, a support projecting from one portion only of said frame having an axle portion, a buck platen having a periphery of the general configuration of a portion only of a garment sleeve mounted for rotation on said axle portion, and a stripping finger in the form of a substantially rigid rod rigidly mounted on said press to extend adjacent and parallel to said buck platen at a closely spaced distance therefrom so that a garment sleeve may be pulled over said buck platen and stripping finger from the free ends thereof to have the free end thereof rest over the free end of said buck platen, a pressing head platen having a concave pressing surface of substantially the configuration of a portion of said buck platen movable only in a single plane substantially at right angles to said buck platen and means to move said pressing head platen towards said buck platen in said single plane only to apply thrust pressure only against a then stationary portion of said garment sleeve mounted on the then stationary buck platen and away from said buck platen, whereby said rotatable buck platen and garment sleeve may be successively positively partially rotated to a plurality of set thrust pressure applying positions with the stripping finger positively stripping the pressed portion of said sleeve from said buck platen during such rotation between intermittent applications of thrust pressure by said pressing head platen until said buck platen is completely rotated and said garment sleeve completely pressed and stripped from said buck platen.

2,362,106
LAMINATED GEAR PUMP
Gustave A. Ungar, New Rochelle, and Joseph F. Keller, New York, N. Y., assignors, by direct and mesne assignments to Equi-Flow Inc., New York, N. Y., a corporation of New York
Application April 21, 1941, Serial No. 389,634
12 Claims. (Cl. 103—128)



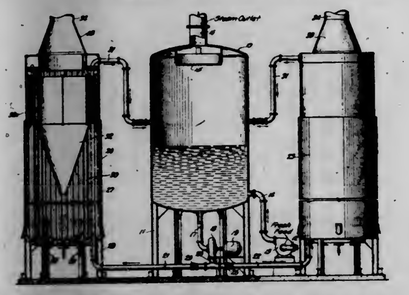
8. In a gear assembly, a driving and a driven gear, each constituted of a plurality of rotatively displaced laminations, the laminations of one gear being stepped to mesh with the corresponding laminations of the other gear, the meshing areas of the side faces of adjacent laminations having shallow depressions effective to eliminate interference in the meshing areas between the side faces of laminations of the driving gear and the side faces of the laminations of the driven gear.

2,362,107
APPARATUS FOR HEATING FLUIDS
John S. Wallis, Darien, and John W. Throckmorton, Wilton, Conn., assignors to Petro-Chem Process Company Incorporated, a corporation of Delaware
Application January 18, 1943, Serial No. 472,676
3 Claims. (Cl. 122—356)



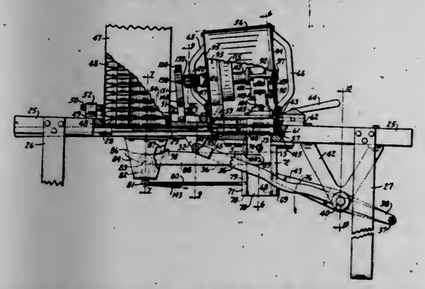
1. A heater construction comprising a cylindrical combustion chamber, a heat source within said chamber, vertical tube banks located adjacent the combustion chamber wall having inlet and outlet ends, an inlet distributor at the top and outside of the combustion chamber and an outlet accumulator, in the bottom, and located outside the combustion chamber said inlet ends connected to the distributor and said outlet ends connected to the accumulator, means for introducing fluid into said distributor, means for withdrawing heated fluids from said accumulator and means for introducing a quenching medium adjacent the outlet ends of said tube banks.

2,362,108
STEAM GENERATING SYSTEM
John S. Wallis, Darien, and John W. Throckmorton, Wilton, Conn., assignors to Petro-Chem Process Company Incorporated, a corporation of Delaware
Application January 23, 1943, Serial No. 473,370
1 Claim. (Cl. 122—406)



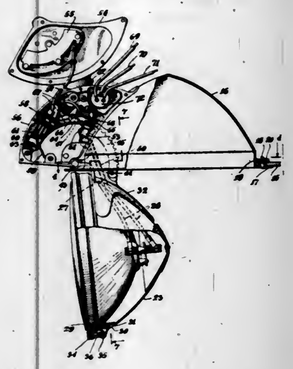
A steam generating system comprising a plurality of separate vertical cylindrical heating units each having a bank of vertical tubes arranged about its interior wall, said units fired centrally from below and having top flue gas outlets, central baffles in the units for diverting the combustion gases outwardly toward the tubes, a common steam liberating receptacle, separate vapor and liquid connections for circulating water from the liberating receptacle to the separate heaters and back to the liberating receptacle, a pump for supplying water to the liberating receptacle below the water level maintained therein and a discharge for withdrawing steam therefrom, located above the water level, a discharge from the receptacle constituting the sole means for withdrawing steam from the system, a single mechanical means in the connections between the liberating receptacle and heaters for simultaneously setting up forced feed circulation through the separate heaters, and means for cutting out the respective heaters from the system.

2,362,109
MAGAZINE LOADING MEANS
Robert M. Whitmore, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Application August 25, 1941, Serial No. 408,157
8 Claims. (Cl. 86—47)



1. In a device of the class described, in combination with a magazine for feeding cartridges into a repeating firearm and a container for holding cartridges to be transferred to the magazine, of a stand comprising a table portion to support the magazine and the container; means including a reciprocating member carried by the table for transferring the cartridges, one at a time, from the container to a point opposite the magazine; a lifting device for lifting each cartridge from the table into the magazine; means to maintain the lifting device in elevated position to support the cartrides in elevated position until the next fed cartridge has been moved partially under the elevated cartridges; and means to thereafter release the lifting device.

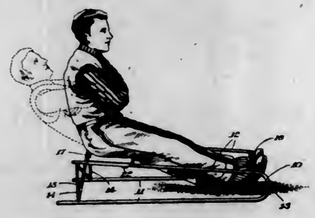
2,362,110
LAMP
Carl E. Meyerhoefer, Brooklyn, N. Y., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y., a corporation of New York
Application July 11, 1942, Serial No. 450,561
3 Claims. (Cl. 240—7.7)



1. A lamp assembly to normally be contained within an enclosing structure defined by a sheet of material formed with an opening, said lamp assembly including in combination a housing body, a flange extending from said body and to bear against the outer surface of said material sheet adjacent the opening thereof, the body of said housing extending through said opening and into said structure, a shell to receive an illuminable element, means for movably supporting said shell with respect to said housing, means for securing said housing against removal with respect to said sheet, a motor driven pinion rotatably connected to said housing, an arcuate rack member secured to said shell and in engagement with said pinion, and whereby—upon rotation of the latter—said shell may be retracted within said housing and structure and projected beyond the same, and said rack comprising a laminated body including a substantially central layer of relatively lightweight and quick-wearing material, and outer relatively thin and hard layers of wear-resisting material.

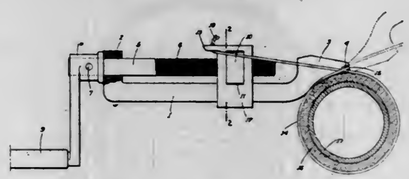
2,362,111
EXERCISING DEVICE
David E. Burns, Colfax, Wash.
Application December 11, 1941, Serial No. 422,569
1 Claim. (Cl. 272—58)

An exercising device comprising a pair of transversely spaced approximately U-shaped side sections, each of said sections including a longitudinal bottom bar having its front end curved arcuately upward and joining a top longitudinal bar, said top bar being disposed to assume an upwardly diverging relation from the front to the rear of the bottom bar and terminating short of the latter, a vertical bar secured to and extending between said top and bottom longitudinal bars inwardly of the rear end of the former, an X-shaped vertical brace disposed transversely between and connecting said sections, a foot bar secured to and extending between the front end portions of the respective top bars and disposed at a height sufficient to slide the feet of a user thereunder, a flat seat forming member mounted transversely across the top bars and



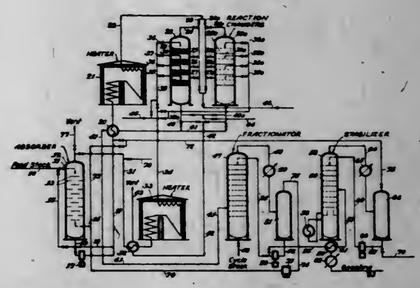
slidable longitudinally thereon, a pair of guide ribs fixed to the underside of the seat parallel with and in close proximity to the top bars to prevent transverse displacement of the seat, a clamp bar extended transversely of the underside of the seat and top bars, a pair of bolts depending from said ribs and extending through openings in the clamp bar, and a wing nut fitted on the outer end of each of said bolts for releasably forcing the clamp bar into gripping engagement with the top bars.

2,362,112
WIRE TIGHTENING TOOL
Benedetto G. Capra, Sacramento, Calif.
Application November 9, 1942, Serial No. 465,069
1 Claim. (Cl. 81—9.3)



A wire clamping tool comprising a shank of substantially rectangular cross section, a boss projecting upwardly from the rear end of the shank, a nose projecting forwardly from the front end of the shank and provided with wire engaging means at its outer end, a wire pulling unit including a rectangular cage surrounding the shank and adapted to travel longitudinally along the same, such cage having a transverse slot formed therethrough, an interiorly threaded nut removably mounted in the slot in non-turnable relation with respect to the cage, a rod projecting through the boss on the shank and held against forward movement relative thereto, threads on the outer end of the rod engaging the threads in the nut whereby rotation of the rod in one direction or the other will advance or retract the cage, and means to rotate the rod; the outer end of the rod being free so that it may be disengaged from the threads of the nut whereby the latter may be withdrawn from the slot and another nut substituted therefor.

2,362,113
CATALYTIC CONVERSION PROCESS
Morris T. Carpenter, Chicago, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Original application January 12, 1938, Serial No. 184,669. Divided and this application June 14, 1941, Serial No. 398,047
16 Claims. (Cl. 196—52)



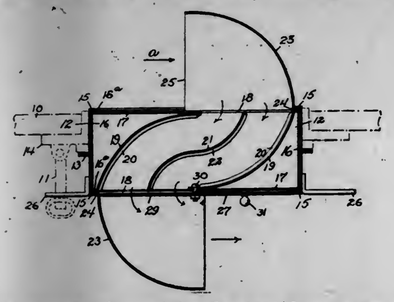
7. The method of converting a hydrocarbon charging stock for producing substantial yields of high quality motor fuel by endothermic reaction, which method comprises vaporizing and heating said charging stock to substantially conversion temperatures, passing said vapors through a series of contacting zones containing a solid conversion catalyst, separately heating a gas to a temperature above said conversion temperature, introducing at least a part of said heated gas into at least one of the series of contacting zones, initially maintaining the first zone of the series at said conversion temperature and the subsequent zones at a lower temperature, and subsequently maintaining other of said zones after the first, in succession, at said conversion temperature by the introduction of said separately heated gas.

16. The method of making a high quality gasoline fraction from a heavier hydrocarbon charging stock which method comprises contacting vapors of said charging stock at an endothermic conversion temperature by passing said vapors through a plurality of beds of a catalyst material for producing endothermic conversion with the deposition of carbonaceous deposits on the catalyst material, regenerating said catalyst material by passing hot oxygen containing gases through said catalyst beds in series whereby the carbonaceous deposits are burned with the liberation of heat, introducing cool gases between said beds in amounts sufficient to control the temperature of the catalyst therein, and utilizing heat developed by the combustion of said carbonaceous deposits for supplying heat in said endothermic conversion step.

2,362,114
BLACK-OUT VENTILATOR
Walter W. Carver, Millburn, N. J.
Application March 30, 1943, Serial No. 481,169
6 Claims. (Cl. 98—37)

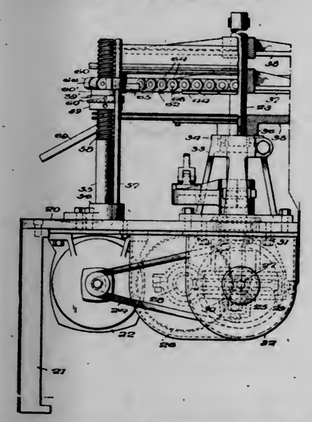
1. A black-out ventilator comprising a hollow casing of cylindrical form having end walls, one of said walls having a semi-circular opening on one side of the central plane passing through the end walls, and the other wall having a similar opening on the opposite side of the plane, each opening being substantially half the area of the

wall, inclined deflector plates forming air passages from one opening to the other opening, and



wind scoops of quadri-spherical form over each opening and facing in opposite directions.

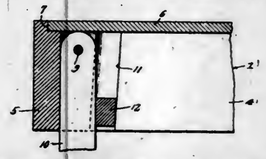
2,362,115
MACHINE FOR TRIMMING GLASS AMPOULES
Leon E. Cline, Vineland, N. J., assignor to Kimble Glass Company, Vineland, N. J., a corporation of Illinois
Application May 3, 1940, Serial No. 333,237
7 Claims. (Cl. 49—48)



1. In a machine for trimming glass containers, a conveyor for the containers, comprising a pair of spaced members, means for moving said conveyor, a plurality of spaced yieldable holding means on one of said members adapted to engage a portion of each container to urge the container against the other of said members, means engageable with both of said members for selectively varying the spaced relation of said members to accommodate containers of different sizes, a scorer positioned in the path of the containers for scoring the containers, means positioned in the path of said yieldable means and engageable therewith to release containers from the conveyor, and other means positioned in the path of the conveyed containers for ejecting containers from the conveyor.

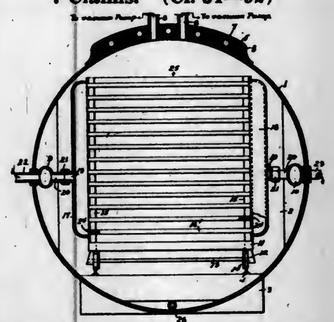
3. In a machine for trimming glass ampoules of the character described, a conveyor for the ampoules, means for moving the conveyor, scoring means positioned in the path of the conveyed ampoules, a breaking-off mechanism spaced from said scoring means in the direction of travel of said conveyor comprising a movable member, means for moving said member into and in a direction transverse to the path of the conveyed ampoules to engage and fracture a scored ampoule, and other means for oscillating said member in a direction parallel to said path of travel.

2,362,116
FOLDING FURNITURE
Ernest G. Covell, Springfield, Mo., assignor of one-half to Jesse W. Hogg, Springfield, Mo.
Application April 12, 1943, Serial No. 482,771
4 Claims. (Cl. 311—99)



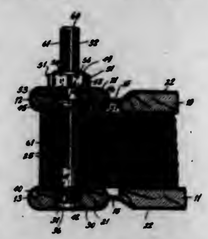
1. A table comprising an apron including end and side rails, a top mounted on the rails, the side rails having cam grooves therein, pivot bolts mounted on the side rails adjacent the grooves, folding legs journaled on said pivot bolts, said grooves and legs extending in the same general direction when the legs are open, and said grooves including a wall inclined downwardly in a direction toward an adjacent open leg, and arms pivotally mounted on the end rails for retaining the legs in open position, said arms having free ends adapted to travel in the cam grooves in engagement with the inclined wall thereof to force the arms against the legs and to force the legs against an adjacent end rail.

2,362,117
RETORT
Victor M. David, Vancouver, British Columbia, Canada
Application March 21, 1944, Serial No. 527,462
7 Claims. (Cl. 34—92)



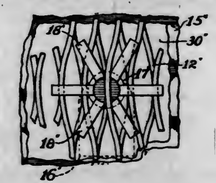
1. A tubular retort having closed ends, at least one of which is provided with a door, a track-way running lengthwise of the retort, a heating substance intake manifold along one side of the retort and a heating substance outlet manifold along the opposite side of the retort, each of said manifolds having suitably spaced connecting elements within the retort, means for heating the top or dome of the retort, and at least one truck having wheels to ride on said track-way and including a set of horizontal shelves disposed one on top of another and spaced apart, individual intake and outlet heating substance conducting manifolds for each truck, means for coupling said individual manifolds with the respective manifolds of the retort, and means to produce a suitable vacuum within the retort.

2,362,118
BINDING POST
James C. Dawson, Jr., Kirkwood, Mo.
Application February 18, 1943, Serial No. 476,271
2 Claims. (Cl. 129—12)



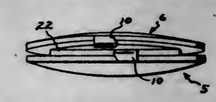
1. A binding post for a loose leaf book comprising means for locking one end immovably in a book cover, the main body of said post having two adjacent longitudinal segments, one of said segments being threaded, the other segment being grooved, and a means for locking another book cover in any position longitudinally of said post, said means comprising a large ring, a collar projecting therefrom, a dog projecting from said collar, said collar being grooved near the inner end, and a split lock washer having an inwardly projecting lip adapted to expand over the end of said collar and to spring into the groove thereof, said ring having an internal threaded portion, said portion having an angular width no greater than that of the grooved segment, whereby upon disposition of the portion in the groove the means may be displaced longitudinally on the post, the internal threads on said portion being larger than the threads on said post, the threads of said portion being engageable with the threaded segment upon angular movement of the ring about the post, said engagement being adapted to hold the ring against axial displacement on the post, and means limiting the angular movement of the ring on the post to the compass of said segment.

2,362,119
METHOD AND MEANS FOR INSULATING BULKHEADS
Dante J. De Stefano, New York, N. Y.
Application May 4, 1942, Serial No. 441,755
2 Claims. (Cl. 72—16)



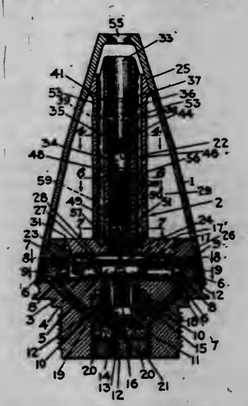
1. The method of installing insulating means to a wall having surface irregularities, which comprises the steps of securing to the surface a plurality of supporting clips; forcing a flexible and compressible insulating blanket upon said clips; conforming the flexible blanket to the contours of the surface of the wall, then applying a flexible metal covering provided with a plurality of openings to said clips, and thereafter locking said metal covering to said clips at the level of the blanket to fix the position of the metal covering with relation to the wall to which the insulation is applied in order to maintain the insulating blanket in uncompressed condition to avoid causing a loss in insulating efficiency.

2,362,120
COSMETIC CASE
Jan de Swart, Los Angeles, Calif., assignor of one-half to C. Bland Jamison, Beverly Hills, Calif.
Application January 31, 1944, Serial No. 520,474
3 Claims. (Cl. 220—55)



1. In a case of the class described, a base element and a lid element, means hingedly connecting together the peripheral edges of the elements for swinging movement relative to each other, a recess in the inner surface of one of the elements presenting a circular side wall, a circular flange carried by the other element and adapted to fit in the recess and circumferentially engage the side wall thereof, and means for yieldably latching the elements together at a point opposite the hinge, including a pair of radially disposed peripheral lugs carried one by each of the respective elements, each of said lugs having an end portion interengageable with the other lug.

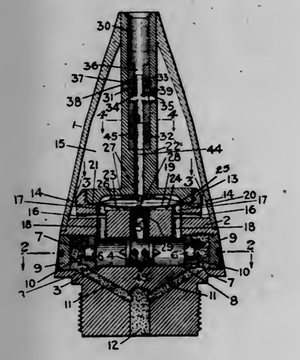
2,362,121
FUSE
Thomas B. Doe and Robert L. Kenngott, New York, N. Y., assignors to Ford Instrument Company, Inc., Long Island City, N. Y., a corporation of New York
Application August 8, 1940, Serial No. 351,893
6 Claims. (Cl. 102—70)



1. In a fuse for projectiles, the combination of a core and a firing cap therein, a firing hammer slidable in the core and adapted to strike the firing cap, a diaphragm in the core, a detent connected to the diaphragm for holding the hammer in a fixed position, a chamber adapted to be charged to a predetermined air-pressure and in communication with one side of the diaphragm, an opening in the nose of the fuse, a bore in the core extending axially from the opening and in communication with the chamber through a port, valve means in the bore for controlling the port, a second axial bore in the core, a passage in the core in communication at its upper end with the opening and at an intermediate point with the second bore through a port, a second passage in the core in communication with the second bore through a port and with the other side of the

diaphragm, a third passage providing communication between the second bore and the chamber, and a second valve means in the second bore for controlling the two said ports associated therewith and the said third passage, whereby in one position the second valve means places the second passage in communication with the chamber through the said third passage and in another position places the first two of said passages in communication with each other.

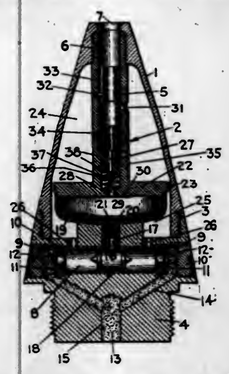
2,362,122
FUSE
Thomas B. Doe and Robert L. Kenngott, New York, N. Y., assignors to Ford Instrument Company, Inc., Long Island City, N. Y., a corporation of New York
Application August 8, 1940, Serial No. 351,894
6 Claims. (Cl. 102—70)



1. In a fuse for projectiles, the combination of a core and a firing cap therein, a firing hammer movable in the core and adapted to strike the firing cap, a diaphragm in the core, a detent connected to the diaphragm for holding the hammer in a fixed position, an air chamber formed in part by one side of the diaphragm, a bore in the core extending axially from an opening in the nose of the fuse, said bore being in communication with the other side of the diaphragm for applying thereto the nose air pressure representative of the velocity of the projectile, a port interconnecting the air chamber and the bore, and valve means in the bore for controlling said port, said valve means being effective in one position to seal said air chamber.

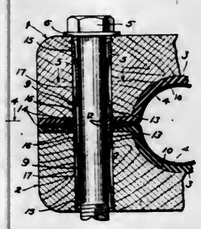
2,362,123
FUSE
Thomas B. Doe, New York, and Elliott P. Ross, Forest Hills, N. Y., assignors to Ford Instrument Company, Inc., Long Island City, N. Y., a corporation of New York
Application August 8, 1940, Serial No. 351,896
4 Claims. (Cl. 102—70)

1. In a fuse for projectiles, the combination of a core and a diaphragm therein, an air chamber formed in part by one side of the diaphragm, a pierceable disk, a second air chamber formed in part by the other side of the diaphragm and one side of the pierceable disk, an opening in the nose of the fuse, a passage in the core adapted to place said opening in communication with the other side of the disk, a port in the passage in communication with the first mentioned air chamber, a second port in the passage in communication with the second air chamber, valve



means for controlling the flow of air in the ports and means for piercing the disk upon the firing of the projectile.

2,362,124
CONDUIT SUPPORT
Herman Ray Ellinwood, Burbank, Calif., assignor to Adel Precision Products Corp., a corporation of California
Application August 18, 1942, Serial No. 455,193
8 Claims. (Cl. 174—135)



1. In a conduit support, a retaining block of rigid form and non-elastic material divided into opposed sections adapted to clamp a conduit therebetween, elastic compressible cushioning members on opposed surfaces of said sections to provide a cushioned seat for the conduit, said sections having bolt holes therein, a metallic bonding strip lying between said cushioning members, a headed metal sleeve inserted past said bonding strip and one of said cushioning members with its head in contact with said bonding strip and its body disposed in a bolt hole in one of said sections, and a bolt extending through said bolt hole and said sleeve in close electrical contact with said sleeve and adapted to be secured to a metallic support so that the conduit will be bonded thereto through the bonding strip, the sleeve and the bolt.

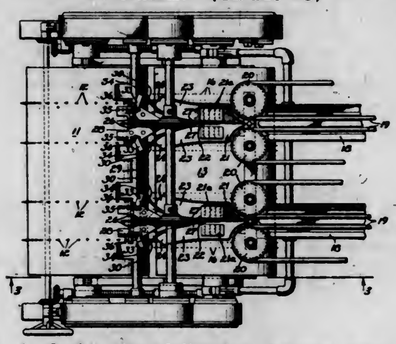
2,362,125
SEAL
Frederick Sydney Eves, Leamington Spa, England, assignor to Automotive Products Company Limited, Leamington Spa, England
Application April 2, 1943, Serial No. 481,622
In Great Britain January 16, 1942
2 Claims. (Cl. 286—26)

1. A packing device for preventing leakage of fluid in an axial direction between a pair of members which move angularly one within the other, said packing device comprising an annular sealing member of soft resilient material such as rubber and having a portion lying in the base of a circumferential groove formed in one of the relatively movable members which portion is spaced from the surface of the other of the relatively movable members, and at least one annular portion free to bear on the surface of said other member, and retaining means for clamping the



sealing member in a radial direction into firm engagement with the bottom of the circumferential groove, said retaining means lying within the confines of the circumferential groove and substantially filling the space between the first-mentioned portion of the sealing member and the other of the relatively rotatable members, whereby the annular portion of the sealing member is supported on both sides substantially up to the bearing surface of the latter.

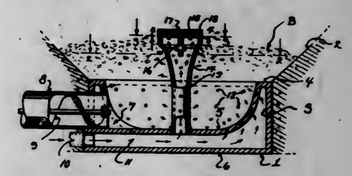
2,362,126
FRUIT CUTTING AND FEEDING DEVICE
Lawrence A. Fry, Hollywood, Calif., assignor, by mesne assignments, to General Foods Corporation, New York, N. Y., a corporation of Delaware
Application December 16, 1941, Serial No. 423,201
10 Claims. (Cl. 146—3)



1. A device for delivering halved fruit into predetermined paths of movement with the cut surfaces of the fruit halves facing in a predetermined direction comprising, a knife for cutting the fruit, means guiding the fruit onto the knife, means forming channels for conducting the fruit away from the knife, including a deflector on each side of the knife engageable with the cut surfaces of the fruit halves, each deflector extending from the knife to a point near a predetermined path of movement and curved to turn the cut surfaces to face in the desired direction, and means for altering the position of the last engaged portion of each of said deflectors in directions transversely of the plane of the knife to control the angles at which different sizes of cut fruit leave the deflectors.

2,362,127
STOKER
John Gehl, Denmark, Wis.
Application February 9, 1940. Serial No. 318,060
1 Claim. (Cl. 110—45)

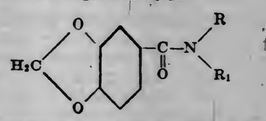
In a furnace having a circular combustion chamber, a stoker retort comprising a circular shell nested within the chamber and having a bottom wall, a flange extending inwardly from the top edge of the shell, a circular bowl depending from the flange and having a bottom wall terminating short of the bottom wall of the shell, said bowl having a plurality of air admission ports communicating with the air space between the shell and bowl, a fuel feed tube extending radially through the shell wall and communicating with the bottom portion of the bowl, a forced draft pipe communicating with the air space between the bottom of the shell and said bowl bot-



tom, a vertical combustion tube centrally mounted in the bowl bottom and communicating with the said air space and having air discharge ports therethrough, the last named tube in cross section opposite the said fuel feed tube being formed with a circular rear wall and tangential side walls extending forwardly therefrom and converging to a splitting point opposite the mouth of the fuel feed tube, whereby the fuel fed into the bowl is broken up as it flows past the pointed edge of the combustion tube to break and loosen the mass and form air passages throughout the same.

2,362,128
INSECTICIDE
Samuel I. Gertler and Herbert L. J. Haller, Washington, D. C., assignors to Claude R. Wickard, as Secretary of Agriculture of the United States of America, and his successors in office
No Drawing. Application July 28, 1942, Serial No. 452,614
16 Claims. (Cl. 167—24)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A method of destroying insects comprising contacting the insects with an insecticide in which an essential active ingredient is



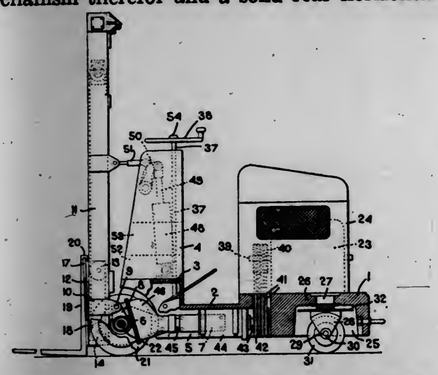
where R represents a member of the group consisting of hydrogen, an alkyl radical, an aryl radical, a halogenated aryl radical, a nitro-substituted aryl radical, a cycloaliphatic radical and an aralkyl radical, and R_1 is selected from an alkyl radical and an aralkyl radical.

2. The subject-matter of claim 1 in which the insecticide also contains pyrethrum.

2,362,129
POWER TRUCK
Albert H. Gfrorer, Bernardsville, N. J., assignor to Lewis-Shepard Company, Watertown, Mass., a corporation of Massachusetts
Application February 25, 1943, Serial No. 477,014
5 Claims. (Cl. 214—113)

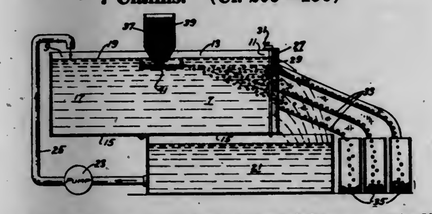
1. A power truck of the class described having a chassis provided with a wheel-supported base having mounted on the front end thereof spaced traction wheels and a pivotally supported

mast provided with load supporting means, and means for actuating the same, said base comprising a one-piece integral metal casting having a recessed front section to receive the mounting for the traction wheels and the driving mechanism therefor and a solid rear horizontal



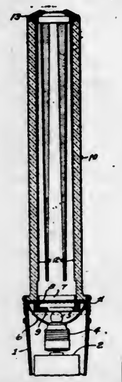
platform section of such thickness, extending downwardly from the upper surface thereof, as to position the center of mass of the truck so remote from the mast and the traction wheels and in such proximity to the wheel base of the truck as to overcome the weight of the mast and the load carried thereby.

2,362,130
GRADING APPARATUS
Dawrence S. Glenn, Davis, Calif.
Application April 28, 1941, Serial No. 390,647
7 Claims. (Cl. 209—156)



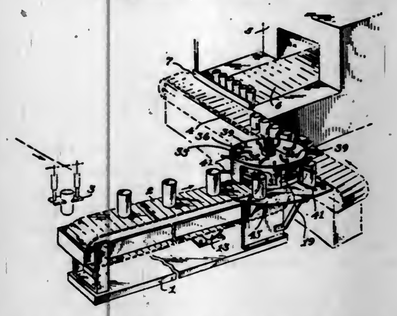
1. Grading apparatus comprising, a grading channel having a substantially uniform geometrical cross section, a continuous planar floor surface and an open end; means for maintaining a flow of liquid of substantially uniform depth and uniform cross-sectional velocity in said channel, said flow terminating in a discharge of liquid from said open end at various elevations above the floor of said channel, a pump adapted to convey liquid from a source of supply to said grading channel, and a reservoir in the flow path of said liquid from said pump to said grading channel and having an end opening communicating with said channel for substantially the entire height thereof, said reservoir having a cross section normal to said flow, substantially greater than the corresponding cross section of said grading channel, whereby said reservoir will absorb fluctuations in the input of said pump to preclude such fluctuations from being carried over into said grading channel; means for placing items to be graded into said grading channel adjacent the upper level of the flowing liquid therein; and means at the open end of said channel for segregating such items in accordance with their elevational position upon reaching the open end of said channel.

2,362,131
LUMINOUS BATON
John C. Haggart, Jr., Martinsville, N. J., assignor to Signal Service Corporation, a corporation of Delaware
Application December 11, 1942, Serial No. 468,607
5 Claims. (Cl. 177—329)



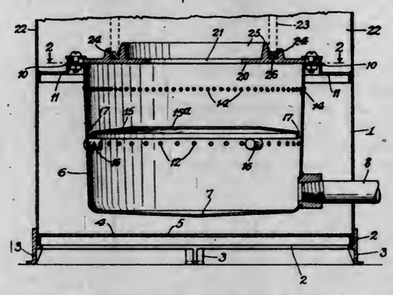
1. A baton or the like comprising a handle having an annular, light emitting slot in one end, a source of light in the handle, and a hollow rod of a translucent material having the property of conducting light in an axial direction by internal reflection secured to the handle with one of its annular ends opposing the light emitting slot, the outer surface of the rod being specular and the inner surface having alternate specular and mat longitudinal zones with the mat zones increasing progressively in width from the light source end.

2,362,132
GLASS TRANSFER MECHANISM
Edwin Haub, Zanesville, Ohio, assignor to Hazel-Atlas Glass Company, Wheeling, W. Va., a corporation of West Virginia
Application March 11, 1942, Serial No. 434,280
2 Claims. (Cl. 198—22)



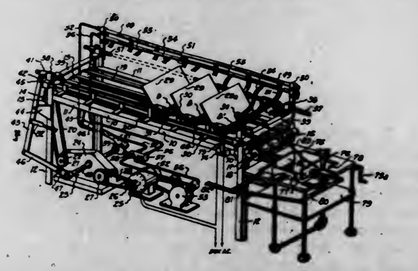
1. An apparatus for transferring glass articles to a leer cross-conveyer and adapted to be arranged at varying angles with respect to the cross-conveyer, including a conveyer, a transfer wheel associated therewith, a plurality of paddles carried by said wheel for successively conveying the articles from the conveyer to the leer cross-conveyer in the direction of travel of the cross-conveyer, means for successively retracting said paddles when the articles have been advanced to the desired position on the cross-conveyer, a motor for driving the conveyer and transfer wheel, said conveyer, transfer wheel and motor constituting a unitary structure independent of the leer cross-conveyer, and means for varying the point of retraction of the paddles in accordance with the variable angular relation between the conveyer and the leer cross-conveyer.

2,362,133
POT TYPE BURNER WITH ADMISSION OF AIR AT TWO LEVELS
Bruce Hayter, Santa Fe, N. Mex., assignor to Oil Devices, Santa Fe, N. Mex., a limited partnership of Illinois
Application November 14, 1941, Serial No. 419,103
2 Claims. (Cl. 158—91)



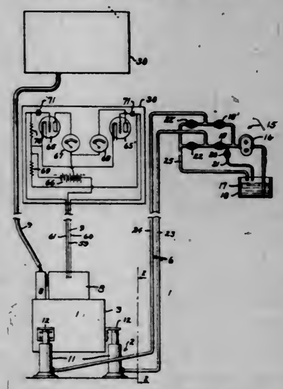
1. In a pot type burner for liquid fuel, a pot having a bottom and a generally cylindrical side wall, a centrally apertured flame ring partially closing the open top of the pot, said side wall having a single row of secondary air inlet apertures spaced slightly below said flame ring, and having a single row of primary air inlet apertures located generally midway between top and bottom of the pot, a liquid fuel inlet pipe extending from a source of fuel supply to the pot at a level below said row of primary air inlet apertures, and a single centrally apertured pilot baffle positioned above the row of primary air inlet apertures and below the row of secondary air inlet apertures, the total cross sectional area of the secondary air inlet apertures substantially exceeding the total cross sectional area of the primary air inlet apertures.

2,362,134
GATHERING MACHINE
Henry T. Honig, Dallas, Tex.
Application August 25, 1941, Serial No. 408,144
6 Claims. (Cl. 270—58)



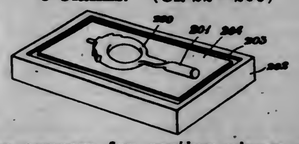
1. A gathering apparatus including, a frame, a longitudinal conveyor mounted on the frame, a group of sequent sheet supporting elements mounted across the frame and each adapted to support a plurality of sheets and disposed above and over the conveyor, reciprocating units mounted wholly transversely of the frame adjacent the supporting elements and individually co-acting with the elements to remove individual sheets therefrom, means to release sheets from the units to permit them to deposit on the conveyor in sequent order, a pair of reciprocating members mounted longitudinally on each side of the frame, all of said units being mounted on said members and having yieldable connection therewith, and means for actuating the conveyor and the reciprocating members in timed relation.

2,362,135
LEVELING DEVICE FOR GRAVIMETERS
Patrick H. James, Houston, Tex., assignor to Robert H. Ray Inc., Houston, Tex., a corporation of Texas
Application December 19, 1940, Serial No. 370,804
5 Claims. (Cl. 73—382)



1. In an apparatus of the class described the combination of, a device to be leveled, hydraulically operable means controlled from a remote position for moving said device to a level position, means for indicating the level position of the device and inclination from such position, said last mentioned means comprising a housing, an inverted pendulum mounted in said housing to tilt when the housing is moved from a level position, and indicating means operable to indicate when the instrument is level and to indicate the direction of tilt when the instrument is tilted.

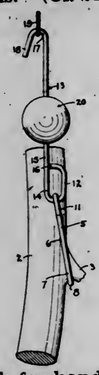
2,362,136
CASTING
Thoger G. Jungersen, Summit, N. J.
Original application January 11, 1940, Serial No. 313,458. Divided and this application December 18, 1943, Serial No. 514,838
8 Claims. (Cl. 22—200)



1. In a process for casting pieces of jewelry or other articles of intricate design from the low temperature fusing metals, the steps comprising making a plural part mold by arranging one or more models of the articles to be cast between a plurality of slabs of flexible mold forming material, making registry formations between contacting surfaces of said slabs, applying a separating medium to the contacting surfaces of said slabs, setting the slabs within a confined

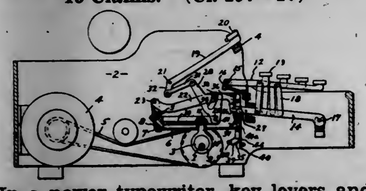
space under the influence of heat and pressure to make a relatively rigid but permanently flexible mold capable of withstanding successive casting therewithin of articles of the low temperature fusing metals by centrifugal force, successively casting articles of low temperature fusing metals within said mold by centrifugal force.

2,362,137
BANANA HOOK
Morris Kagan, Houston, Tex.
Application November 15, 1943, Serial No. 510,351
3 Claims. (Cl. 248—317)



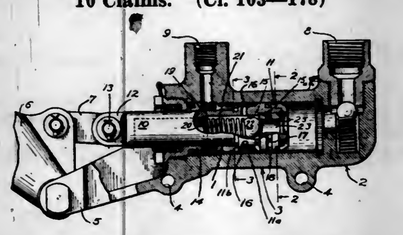
1. A handle hook for handling and supporting banana bunches including a hook to fit under a cluster branch of the bunch, a handle loosely linked to a said hook comprising a wire bent at one end and connected to said hook, a bend at the other end to support the bunch, and a handle portion on said wire of a size to be gripped by the hand in picking up and handling of the bunch.

2,362,138
TYPEWRITER MECHANISM
Oscar C. Kavle, Syracuse, N. Y., assignor to The Kavle-Head Corporation, Ithaca, N. Y., a corporation of New York
Application September 9, 1942, Serial No. 457,733
15 Claims. (Cl. 197—17)



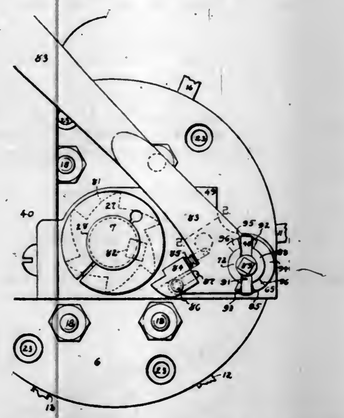
5. In a power typewriter, key levers and type bars corresponding to the key levers, the combination of actuating mechanism including a constantly oscillating universal member, motion transmitting means between each key lever and its companion type bar operating upon full dip of the key to move the type bar part way only from its starting position and including a lever movable part way by the operation of the key lever, and also having an additional movement relatively thereto, and a coupling carried by the last lever and normally out of the path of movement of the universal member and shiftable into the path of the universal member by the operation of the key lever, the universal action coacting with the coupling with a lost motion whereby the type bar is given a flipping impulse relative to the universal member.

2,362,139
PUMP PISTON
John William Kelly, La Canada, Calif., assignor to Adel Precision Products Corp., a corporation of California
Application September 21, 1942, Serial No. 459,199
10 Claims. (Cl. 103—178)



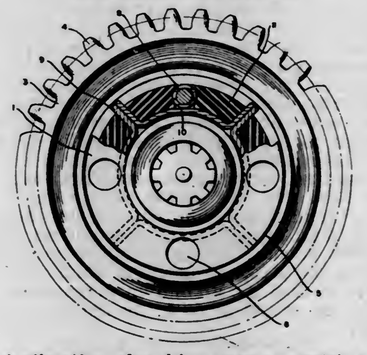
1. In a piston assembly, a piston rod, a piston formed integral with one end of said rod and having an axial bore extending therethrough and into said rod, said rod having a port therein opening into said bore, a cylindrical valve seat member in said bore between the outer end of the bore and said port insertable and removable through said outer end of the bore, a check valve mounted in said bore so as to seat against the inner end of said seat member, a spring mounted in said bore to hold said valve seated, and a snap ring mounted in said bore and holding the seat member, valve and spring in place.

2,362,140
TURRET TOOL POST
Henry Edward Koehler, Ridgewood, N. Y.
Application December 28, 1942, Serial No. 470,323
7 Claims. (Cl. 29—49)



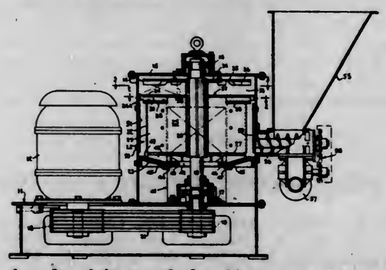
1. A turret tool post comprising a revolvable disc perforated by holes arranged in a circle, tool clamping bolts mounted in said holes and having slotted heads at their front ends for clamping tools onto said disc, rake adjusting posts mounted in openings in the disc and projecting forwardly therefrom outside of said circle and offering rests for tools clamped onto said disc by said bolts, said rake adjusting posts having their rear ends spaced from rear ends of the openings, and locking means engageable in the openings back of said rake adjusting posts for non-revolvably securing said disc in corresponding operative position of tools clamped by said bolts onto said disc.

2,362,141
VIBRATION ABSORBING GEAR
Frederick J. Loetterle, Syracuse, N. Y., assignor to Aircooled Motors Corporation, Syracuse, N. Y., a corporation of New York
Application August 7, 1942, Serial No. 453,994
2 Claims. (Cl. 64—27)



1. A vibration absorbing gear comprising a hub formed with an annular flange and a gear toothed rim radially spaced from the hub, the annular flange on the hub lapping at least the inner margin of the rim on one side thereof, driving abutments extending through the flange and the annular space between the hub and the rim, additional abutments carried by the rim and extending radially of said annular space and being spaced from the driving abutments, blocks of resilient material filling the annular space between the driving and the additional abutments, an annular retaining plate opposed to said flange on the other side of the inner margin of the rim and forming a cover for the annular space, said plate being secured to the driving abutments, and an arcuate strip joining the additional abutments on opposite sides of each driving abutment and following the curve of the periphery of the hub.

2,362,142
PULVERIZING AND CLASSIFYING MACHINE
Henry G. Lykken and William H. Lykken, Minneapolis, Minn.
Application July 20, 1939, Serial No. 285,484
13 Claims. (Cl. 83—11)

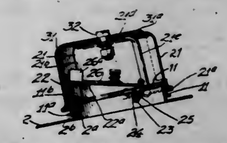


12. A pulverizing and classifying machine comprising a motor, a casing, a chamber therein, a closed end rotor of less diameter than said chamber and mounted therein, the rotor being constructed and arranged to produce a pulverizing vortex of air suspended material in the space around said rotor, means for withdrawing the sufficiently pulverized material from said pulverizing vortex into said rotor and axially thereof, an outlet in the upper end of the rotor for the sufficiently pulverized material, operating connections from the motor to the rotor, means for admitting a controlled amount of air into the casing and to the pulverizing vortex, and means for feeding to said vortex a controlled amount of material to be pulverized.

2,362,143
METHOD OF OBTAINING FOLLICLE-STIMULATING HORMONE
William H. McShan and Roland K. Meyer, Madison, Wis., assignors to Wisconsin Alumni Research Foundation, Madison, Wis., a corporation of Wisconsin
No Drawing. Application August 3, 1940, Serial No. 351,198
7 Claims. (Cl. 167—74)

1. The method of obtaining the follicle-stimulating fraction from the pituitary gland which consists in digesting a gonadotropic extract of the pituitary gland with trypsin, and then removing the trypsin by the application of heat.

2,362,144
DRAFT REGULATING MEANS FOR HEATERS
John Frederick Mahlstedt, Los Angeles, Calif.
Application March 20, 1940, Serial No. 325,021
9 Claims. (Cl. 158—91)

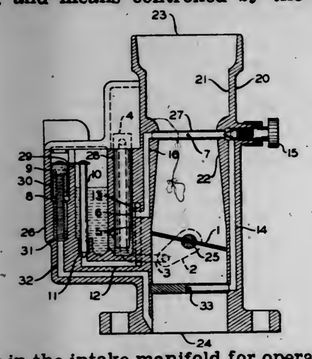


1. In a draft regulator, the combination with a heater provided with a heated chamber having a draft opening, of a weather housing removably mounted over the draft opening and having a frame secured to its lower portion, said frame being located over the opening, said housing being removable, with the frame, from the opening, a draft door mounted on the frame and within the housing and movable with respect to the opening, and a thermostatic element in association with the frame and the door for normally holding the door in an open position over the opening, said element being arranged in heat exchanging relation with said chamber, said door being mounted gradually to close over the opening when the element is heated.

2,362,145
CARBURETOR FOR INTERNAL-COMBUSTION ENGINES
Marion Mallory, Detroit, Mich.
Application February 9, 1942, Serial No. 429,970
5 Claims. (Cl. 261—49)

1. In a carburetor for an internal combustion engine having a passageway therethrough, a throttle valve in said passageway, a fuel bowl, a conduit leading from the fuel bowl to the passageway, a metering pin for metering the flow of fuel out of said bowl into the inlet end of said conduit, means positively connecting the metering pin and the throttle valve for coincidental operation whereby an increasing amount of fuel is metered from the fuel bowl as the throttle valve opens and a decreasing amount of fuel is metered from the fuel bowl as the throttle valve closes, a second conduit leading from the fuel bowl to an orifice adjacent the fuel inlet end of the first conduit, said metering pin having a tapered face adjacent said orifice in the inlet end of said first conduit

for controlling and metering the flow of fuel out of the second conduit into the inlet end of the first conduit and also for metering the flow of fuel out of said bowl into said inlet end of said first conduit, a valve for controlling the flow of fuel from the bowl into the second mentioned conduit, and means controlled by the pressure



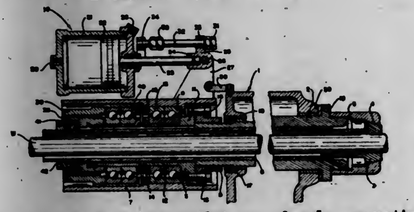
existing in the intake manifold for operating said second mentioned valve whereby when the intake manifold pressure reaches a predetermined point higher than idling pressure the second mentioned valve opens and the fuel mixture is enriched by additional flow of fuel from the fuel bowl through said second conduit and orifice.

2,362,146

WORK HOLDER OR COLLET HOLDING MECHANISM FOR METALWORKING MACHINES

Eugene S. Mariotte, Syracuse, N. Y., assignor to Lipe-Rollway Corporation, Syracuse, N. Y., a corporation of New York

Application October 7, 1942, Serial No. 461,120
1 Claim. (Cl. 279—4)



In a work holding collet or chuck operating mechanism for metal working machines which include a head, a hollow spindle rotatably mounted in the head, and a chuck carried coaxially with the spindle at one end thereof and having an opening and closing operation; the combination of mechanism for operating the chuck including a stationary non-rotatable housing mounted coaxially with the spindle at the other end thereof, an adapter secured to the other end of the spindle to rotate therewith, a journal bearing between the adapter and the housing, a reciprocating chuck operating member extending coaxially of the housing, the spindle and the adapter and operatively connected to the chuck to open and close the same during the reciprocation of said member, a prime mover carried by the housing and including a reciprocally movable member eccentric to the axis of the chuck, a lever pivotally mounted on the housing and connected to the reciprocating prime mover member, and connections between the lever and the reciprocating chuck operating member including parts movable into a self-locking position when the chuck is closed.

2,362,147

REMOVAL OF SILICON FROM ALUMINUM AND ALUMINUM ALLOYS

Lucio F. Mondolfo, Chicago, Ill.

No Drawing. Application February 9, 1944, Serial No. 521,682
5 Claims. (Cl. 75—63)

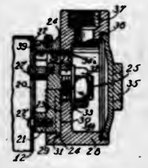
1. In a method of removing excessive amounts of silicon from aluminum alloys containing the same and simultaneously forming an aluminum-magnesium alloy containing in excess of 60% magnesium, the steps which include providing a melt containing said silicon-containing aluminum alloy and added magnesium, allowing the mass to stand in a substantially quiescent state under temperature conditions such that the resulting aluminum-magnesium alloy remains fluid and the silicon settles out in the form of solid magnesium silicide, and separating the fluid aluminum-magnesium alloy from the solid silicide, the amount of magnesium added to the silicon-containing aluminum alloy being such that the aluminum-magnesium alloy contains in excess of 60%, by weight, of magnesium.

2,362,148

ENCLOSED AND PROTECTED ELECTRICAL APPARATUS

Shirley R. Naysmith, Meriden, Conn., assignor to The Miller Company, a corporation of Connecticut

Application July 25, 1942, Serial No. 452,352
10 Claims. (Cl. 174—86)



1. Means for supporting electrical apparatus having an enclosing, vaporproof body for angular adjustment about a horizontal axis extending through said body, comprising body-carried, outwardly extending members of annular configuration about said axis, fixed fittings rotatably receiving the outwardly extending members and having upwardly opening semi-cylindrical shelves, said members and shelves having cooperating grooves and flanges to interengage and prevent axial separation of the parts, and clamping devices for effecting frictional interengagement of the fixed fittings and the outwardly extending members, said fittings and outwardly extending members forming wireways for wiring to said body.

2,362,149

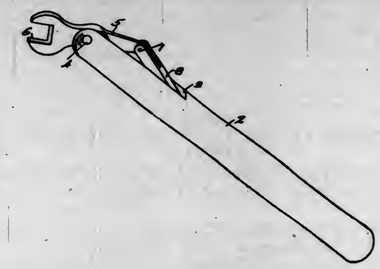
FIXED MAXIMUM TORQUE TENSION WRENCH

Alex E. Nelson, Los Angeles, Calif., assignor to Stanley E. Lindahl, Los Angeles, Calif.

Application May 10, 1943, Serial No. 486,447
8 Claims. (Cl. 81—53)

1. A fixed torque wrench including a tubular handle bar which has a closed end and is bifurcated at its forward end, a gripping jaw having a pivot in the bifurcation of the handle and having a rigid arm swinging on the axis of said pivot from side to side of the handle through the bifurcation as the handle is swung in either direction on the jaw pivot and the pivot having a fixed longitudinal relation as to the handle, a bolster

block in said handle, a bolster spring seated in the handle between said closed end and said block, and tension means in the handle for constantly



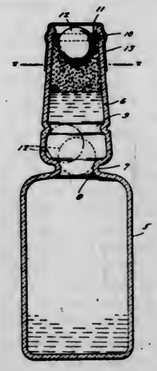
pulling the arm to a position of arrest on and by the spring and including a link pivotally connected to the arm and block.

2,362,150

SELF-CLOSING BOTTLE

Arthur S. Odin, Detroit, Mich., assignor of five per cent to Julius C. Pliskow, Detroit, Mich.

Application November 27, 1942, Serial No. 467,137
1 Claim. (Cl. 215—60)



A bottle having an elongated tubular neck of circular cross section from end to end and tapering smaller upwardly, said neck having an annular constriction of symmetrical form at its lower end defining an annular internal valve seat, and being formed with an annular internal circumferentially extending rib above said seat, a resilient washer secured in the upper end of said neck, and a spherical closure element normally seated upwardly against the washer to close its opening, said closure element being releasable from the washer so as to fall onto and close the bottle at said seat when the bottle is upright, the rib acting to stop outward movement of ball from said seat at a point outwardly of the latter and inwardly of the washer to permit pouring of the contents from the bottle when the latter is tipped in any direction to a pouring position.

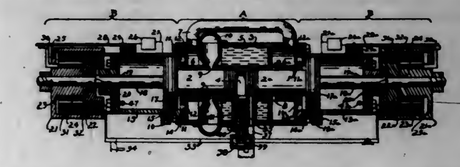
2,362,151

ELECTRIC GENERATOR

Pontus Ostenberg, San Jose, Calif.

Application August 18, 1943, Serial No. 499,299
3 Claims. (Cl. 290—1)

3. The combination with an engine including a pair of freely reciprocable pistons actuated by expanding gaseous charges both between and behind them: of a magnet reciprocated by each



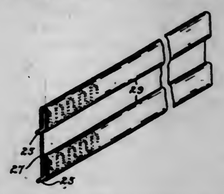
piston, and an armature operatively disposed relative to each magnet.

2,362,152

ENCASED HEATING UNIT

Clark M. Osterheld, Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill., a corporation of Delaware

Application November 23, 1942, Serial No. 466,638
5 Claims. (Cl. 201—67)



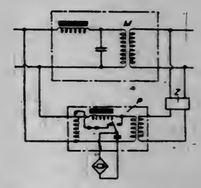
1. A resistor unit comprising a strip of metal having each side portion thereof return-bent on itself to form separate elongated chambers and a convoluted metallic resistor member in each of said chambers, the outer surface of said resistor member and the inner surface of the elongated chamber of the metal strip having thereon an integral, inorganic, heat-conducting, high temperature-resisting and electric-insulating coating having a thickness on the order of .0004".

2,362,153

ELECTRIC FREQUENCY CONVERTER SYSTEM

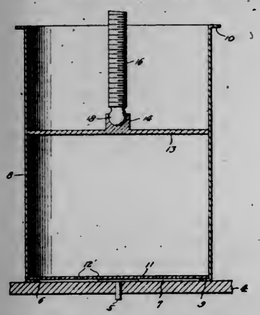
Leslie Harold Paddle, St. Paul's Cray, England

Application November 28, 1942, Serial No. 467,245
In Great Britain December 24, 1941
13 Claims. (Cl. 172—281)



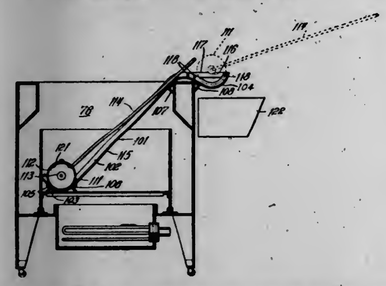
9. In an electric frequency converter system, the combination with a plurality of "main" units adapted to be subject to load and each including an oscillatory circuit having means for developing an output current of a lower frequency than its input current, of means for initiating and maintaining the development of said output currents of relatively low frequency; said last means comprising a "pilot" unit producing impulses of the desired low frequency, and means for electrically connecting said "pilot" unit to said "main" units to subject said "main" units to the low frequency impulses of the "pilot" unit.

2,362,154
CHEESE PRESS
Edward B. Patrick, Rock, W. Va.
Application November 24, 1942, Serial No. 466,759
1 Claim. (Cl. 100—55)



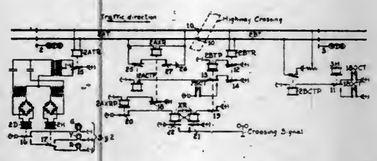
In a cheese press, in combination, a flat horizontal base plate having a plane upper surface and provided with a central drain tube, a hoop comprising a vertical open-ended cylinder having a flat horizontal inturned annular flange at its lower end flatly resting on the base plate concentric with said drain tube, a flat annular ring fixed on the base plate and snugly fitting within said flange, said ring having a plurality of similar equally-spaced radial ribs projecting inwardly therefrom and terminating outwardly of the drain tube, said ribs being free of connections except at their outer ends with the ring, the flange, ring and ribs being of similar uniform thickness throughout, and a flat perforated disk removably fitted in said hoop and resting horizontally on the flange, the ring and the ribs in uniformly spaced relation to the upper plane surface of the base plate.

2,362,155
TUMBLING APPARATUS FOR DEGREASERS
Willard D. Phillips and Ralph A. Van Fossen, Chicago, Ill.
Original application August 3, 1940, Serial No. 351,018. Divided and this application February 15, 1943, Serial No. 475,915
2 Claims. (Cl. 202—170)



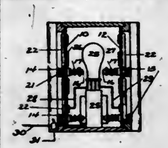
1. In a portable degreasing apparatus, comprising a chest having a condenser mounted adjacent its inner rim, a vapor generator in the bottom, and a vapor treating chamber between the generator and condenser; the combination with a tumbling apparatus comprising a frame consisting of a pair of spaced apart rails interconnected by cross beams and adapted to be positioned at an incline within the vapor chamber with the lower end below the vapor level; a tumbling basket consisting of a foraminated cylinder, a handle mounted on said cylindrical basket, the arrangement being such that the cylindrical basket may roll down the inclined rails to enter the degreasing vapor chamber and roll upwardly along said rails as the cylindrical basket is removed from the vapor chamber to effect repeated tumbling of the contents of said basket.

2,362,156
CODED TRACK CIRCUIT SIGNALING SYSTEM
Neil D. Preston, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application September 29, 1942, Serial No. 460,107
15 Claims. (Cl. 246—130)



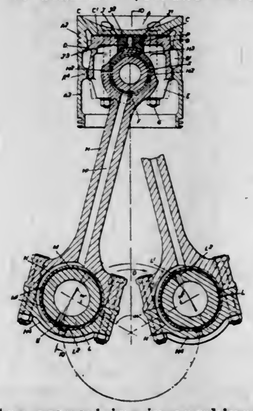
1. In a coded track circuit signaling system providing approach control for highway crossing signals, a stretch of railway track having an entering signal and divided into an approach track section and a receding track section on the opposite sides of an intersecting highway, driven code transmitting means associated with the exit end of said receding track section for applying driven code pulses to the rails of said receding track section at different selected rates in accordance with traffic conditions in advance, means at said highway crossing responsive to said driven codes and acting to repeat such codes into said approach track section, decoding means at said entering signal responsive to said driven codes of said selected rates only for controlling the proceed indications of said entering signal, means at said highway crossing including a shunt track relay responsive to the application of driven code pulses of any rate to said approach track section for preventing the operation of a highway crossing signal but being unresponsive to said code pulses applied to said approach track section when a train enters said section to thereby permit operation of said highway crossing signal, and means at said highway crossing responsive to the presence of a train in said receding track section for applying a driven code to said approach track section of a rate other than said selected rates to thereby cause the operation of the highway crossing signal to cease when a train has passed such crossing into the receding track section, such means acting without clearing said entering signal because of the difference in the code rates.

2,362,157
DISPLAY DEVICE
Charles J. Quill, San Francisco, Calif.
Application January 5, 1942, Serial No. 425,656
2 Claims. (Cl. 40—130)



1. A device of the character described embodying in its construction, a housing having an electrically insulated side portion, metallic inductors positioned against the inner face thereof, an angular shaped bar positioned against the outer face of said insulated side portion, a plurality of indicia forming inert gas tubes supported onto said angular shaped bar, each of said indicia forming inert gas tubes having an integral foot portion capable of being received into the angular portion of the bar, means for resiliently securing said bars to the insulated side portions and for resiliently clamping the indicia tubes against said portions, said means comprising a spring on one side of said insulated portions and a resilient cushioning element in said angular bar on the other side of said portions engaging said tubes and urging the same against the said insulated portion, and an oscillating transmitter positioned within the housing whereby the indicia forming inert gas tubes are illuminated.

2,362,158
COOLING OF PISTONS
Harry Ralph Ricardo, London, England
Application August 27, 1943, Serial No. 500,280
In Great Britain July 20, 1942
10 Claims. (Cl. 123—176)



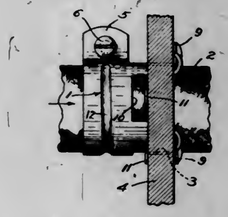
4. A piston comprising in combination an outer part constituted by a crown the underside of which is flat and a skirt formed integral with the crown and symmetrical about the piston axis by turning and having uniform thickness radially in any plane normal to the piston axis, an inner member comprising a crown, a skirt and within the latter lugs in which are bearings for the gudgeon pin, a central opening in the crown of this inner member, a bearing surface within this part about the said central opening against which surface lies the gudgeon pin end of the connecting rod, grooves in the otherwise flat face of the crown of the inner member, these grooves radiating from the said central opening in this crown, means by which the inner member is connected to the said outer part with the grooved face of the crown of the inner member in contact with the flat inner face of the crown of the outer part, an annular chamber within the said outer part and between it and the periphery of the said inner member into which chamber lead the outer ends of the said radial grooves, and means by which oil flowing from the engine crankshaft up the connecting rod is caused to pass from the latter and the said central opening in the crown of the said inner member into and through the said radial grooves into the said annular chamber whence the oil passes away between the skirts of the outer part and of the inner member.

2,362,159
HEAD FOR TOOTHBRUSHES
Adolph Rickenbacher, Los Angeles, Calif.
Application October 19, 1942, Serial No. 462,483
5 Claims. (Cl. 15—172)



1. A brush head of the character described including a molded body having cavities in its bottom to receive bristles and channels in the sides confined to points intermediate its ends and extending parallel with the cavities, the channels extending from the top of the body to the bottom of the body and being greater in depth at the bottom of the body than at the top of the body, and a mounting member applied to the top of the body and having legs engaged in the channels to secure the member on the body.

2,362,160
BULKHEAD CLIP FOR WIRES AND CONDUITS
Archibald Robertson, North Hollywood, Calif., assignor to Adel Precision Products Corp., a corporation of California
Application September 14, 1943, Serial No. 502,339
7 Claims. (Cl. 248—56)

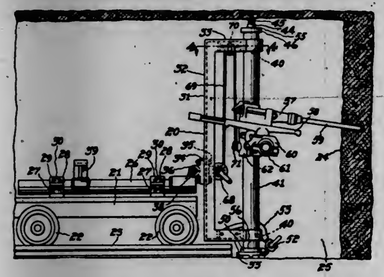


1. In a clip for supporting a conduit or other line which passes through an opening in a bulkhead, an elongated longitudinally split sleeve adapted to embrace the line to be supported thereby and to have one end extended through the opening in the bulkhead, stop means extending radially outward from a point intermediate the ends of the sleeve for engaging one side of the bulkhead to limit the extension of said one end through said bulkhead, tongues normally extending axially from said one end and bendable to extend radially of the sleeve and engage the other side of the bulkhead to secure the sleeve thereto, and clamping means on the portion of the sleeve which is between the other end thereof and said stop means for constricting said portion and clamping it on said line.

2,362,161
MOUNTING FOR DRILLING TOOLS
Oliver H. Sellars, Glen Ridge, N. J., assignor to Ingersoll-Rand Company, New York, N. Y., a corporation of New Jersey
Application June 2, 1943, Serial No. 489,370
3 Claims. (Cl. 255—51)

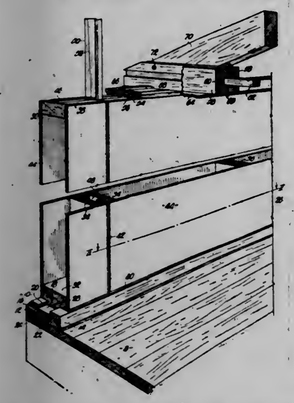
1. A mounting for drilling tools, comprising a wheeled frame, a bracket pivotally mounted on the frame, bearings at the opposed ends of the bracket, a tool column slidable endwise in the bearings, means on the tool column and the

bracket to cooperate with each other for limiting sliding movement of the tool column with



respect to the bracket, and rock-engaging members at the ends of the column.

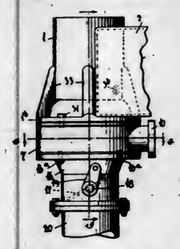
2,362,162
UNIT BUILDING STRUCTURE
Ralph O. Sheldon, Kansas City, Mo., assignor to Emile S. Guignon, Jr., Kansas City, Mo.
Application May 11, 1942, Serial No. 442,402
3 Claims. (Cl. 20—2)



1. In a building structure of the character described, a plurality of edge-to-edge wall units; a bead along the lower edges of the wall units; and a base anchor gripping said bead to prevent lateral displacement of the said units, said anchor comprising a pair of longitudinal sections for engaging opposite side edges of the bead, said sections having overlapping portions, and means for drawing said sections toward each other.

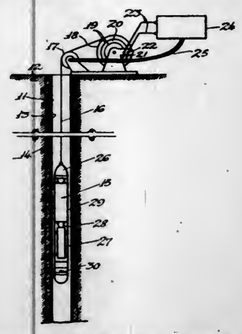
2,362,163
CARBURETOR
Ralph Shipman, Sunbury, Pa.; Raldo E. Shipman and I. Kenneth Shipman, executors of said Ralph Shipman, deceased, assignors, by mesne assignments, to said Raldo E. Shipman and said I. Kenneth Shipman, as joint tenants.
Application December 20, 1940, Serial No. 371,041
11 Claims. (Cl. 261—12)

1. The combination with a housing, of a down draft venturi mounted therein, and means independent thereof for feeding thereto a mixture of liquid fuel and air, of a well directly beneath the lower end thereof and spaced therefrom, a second well surrounding the first, said wells being disposed within said housing and spaced apart so as to provide between them an outlet passage for the fuel mixture, and means for trapping in both



wells the heavier particles of fuel contained in said mixture.

2,362,164
RADIOACTIVITY LOGGING
Daniel Silverman, Tulsa, Okla., assignor to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware
Application April 11, 1942, Serial No. 438,644
11 Claims. (Cl. 250—83.6)



1. A method of determining the radioactivity of the material forming the walls of a well including the steps of lowering into said well to each of a plurality of known depths an ionization chamber containing an inert gas at superatmospheric pressure and at least two insulated electrodes, intermittently discharging a charged condenser through said electrodes adjacent said chamber, said discharge varying in accordance with the radioactivity of said material, recharging said condenser to a predetermined maximum potential after each such discharge, producing a pulsating electric signal by said intermittent charging and discharging of said condenser, one characteristic of which varies with said intermittent discharge through said electrodes, and measuring the variation in said characteristic of said signal as said chamber is lowered to each of said known depths.

2,362,165
HYPODERMIC SYRINGE
Arthur E. Smith, Los Angeles, Calif.
Application January 4, 1941, Serial No. 373,129
1 Claim. (Cl. 128—218)

In a hypodermic syringe, a hollow barrel having an ampule therein, a spring urged rear member slidable within said barrel, a plunger shank passing through said rear member, a head on said plunger, a resilient piston stopper in the rear end of said ampule, the head of said plunger being adapted to engage the end of said stopper,

a second stopper in the front end of the ampule, said second stopper having a displaceable portion, a front member secured upon said barrel, said front member including a tube extending into said barrel, said tube being adapted to receive the upper end of a double pointed hypodermic needle, said tube being closed at its for-



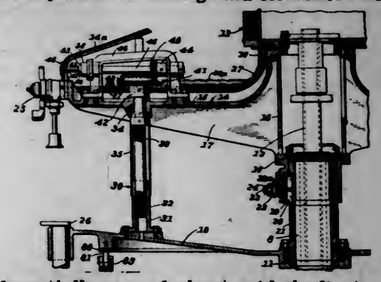
ward end and having a tip projecting beyond the closed end, there being an inwardly directed, forwardly facing shoulder at the junction of the tip and tube, said tip being adapted to engage said second stopper displaceable portion, said tube including openings which extend through said shoulder to the interior of said tube.

2,362,166
METHOD OF COATING
John K. Speicher, Newark, N. J., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 16, 1942, Serial No. 462,291
4 Claims. (Cl. 117—46)

1. A method for coating ethyl cellulose without use of a solvent which comprises forming a composition having a Bakelite-Olson flow temperature of from about 110° to about 150° C. and containing from about 40% to about 70% of an ethyl cellulose having an ethoxyl content from about 41% to about 51% and from about 10% to about 30% of a compatible plasticizer, reducing said composition to a dry powder having a particle size from about 100 to about 200 mesh, projecting said powdered composition through a flame to melt the powder particles with substantially no decomposition thereof, and impinging said melted composition on a surface to form an adherent protective coating.

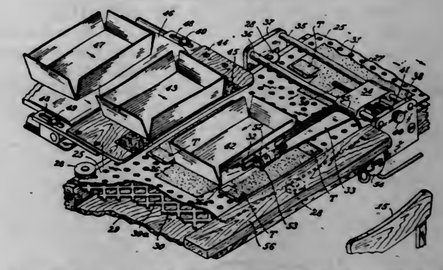
2,362,167
SUPPORTING STRUCTURE OF BEVERAGE FILLING MACHINES
Robert J. Stewart, Baltimore, Md., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York
Application August 12, 1941, Serial No. 406,558
3 Claims. (Cl. 226—129)

1. In a supporting structure for a machine including a base, a vertical and rotatable shaft projecting upwardly from the base, and a pair of elements of relatively large diameter mounted on the shaft in superposed relation, means to adjust the vertical position of the upper element with respect to the lower of said two elements and to prevent the upper element from being tilted, said means comprising a plurality of threaded jacks connecting said elements and cir-



cumferentially spaced about said shaft at a substantial distance radially from the latter, and centrally positioned releasable means to secure said upper element in a rigid driving relation to said lower element.

2,362,168
REGISTERING DEVICE IN THE MANUFACTURE OF PAPER BOXES
John S. Stokes, Huntingdon Valley, Pa.
Application July 13, 1943, Serial No. 494,560
13 Claims. (Cl. 93—54)

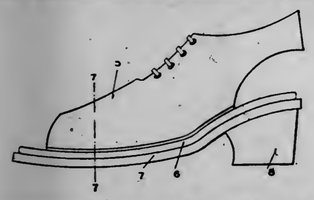


1. In a box making system having means for applying adhesive to box wrappers, the combination of an assembly station for the manual registration of box blanks with respect to their wrappers, a conveyer receiving adhesively coated wrappers from said means and operable to transport them to said assembly station, means for holding each wrapper in predetermined position on said conveyer from the time it is received by said conveyer until registration of a box blank thereon, and a guide at said assembly station extending over said conveyer and having at least one face parallel to the line of travel of said conveyer and positioned at all time with respect to the wrappers carried by said conveyer so as to facilitate manual registration of a box blank on a wrapper, said guide having no portion extending into the path of travel of said conveyer in manner to interfere with movement of a box blank in registry on a wrapper.

2,362,169
SHOE CONSTRUCTION
Jules Q. Strong, Ladue, Mo., assignor of fifty-five per cent to C. W. Mathieson and fifteen per cent to P. H. Lamphere, both of Clayton, Mo.
Application January 21, 1942, Serial No. 427,571
2 Claims. (Cl. 36—16)

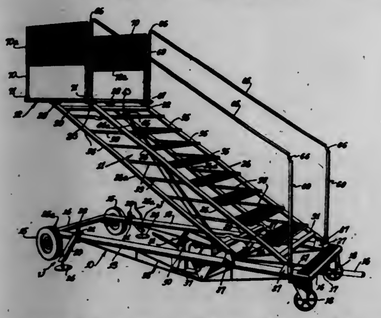
1. A shoe construction comprising an outsole, a platform and an upper all secured together,

said platform being interposed between the outsole and the upper with the lower marginal portion of the upper turned outwardly and being secured in overlying relation to the top marginal surface of the platform and said platform consisting of a sheet of resilient material, shoulder means of relatively firm and non-resilient material positioned around the edges of the resilient material to prevent spreading thereof, and a sheet of non-stretchable material secured to the



top surfaces of the resilient material and the shoulder means and having its marginal portions folded over the shoulder means and secured to the bottom side thereof, said sheet forming the sock lining of the shoe and also a covering for the edges of the platform and said shoulder means forming a support to which the upper is secured with its width so related to the resilient material that no part of the side portion of the foot will rest thereon.

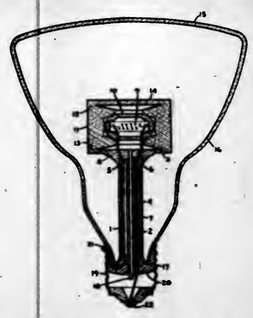
2,362,170
PORTABLE FOLDING SCAFFOLD
Ralph H. Swaisgood, Los Angeles, Calif., assignor to Pacific Engineering Corporation, Los Angeles, Calif., a corporation of California
Application August 10, 1942, Serial No. 454,245
14 Claims. (Cl. 304—29)



1. A stand for use in the servicing of airplanes and the like comprising, a base member, a pair of parallel elongated members pivoted thereto, a platform pivoted to said elongated members, a plurality of steps pivoted on one of said parallel members, means raising and lowering said platform member, and means maintaining said step members parallel to said platform during movement thereof, said means comprising an extension on each step pivotally connected to the other parallel member.

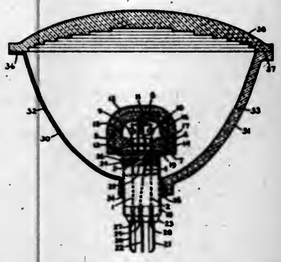
2,362,171
FLOODLIGHT FULL-BEAM ELECTRIC LAMP
Harold Swanson, Brownhelm Township, Lorain County, Ohio
Application March 25, 1943, Serial No. 480,420
4 Claims. (Cl. 176—34)

1. A floodlight electric lamp having a light source, leads to said light source, a receptacle closing the same, said receptacle composed of two transparent bodies hermetically sealed together, a light source chamber within said receptacle, said light source chamber surrounded by lens and prism sections arranged to form full-beam refracting elements, a lamp stem having a flared



bottom with an exhaust tube and said receptacle mounted on top thereof, said stem flare hermetically sealed to the neck of a large lamp bulb with said receptacle positioned therein, said bulb having a mirrored curved surface for reflecting light from said receptacle in predetermined directions.

2,362,172
VEHICLE HEADLIGHT WITH INTEGRAL FULL-BEAM ELECTRIC LAMPS
Harold Swanson, Brownhelm Township, Lorain County, Ohio
Application March 25, 1943, Serial No. 480,421
3 Claims. (Cl. 176—34)

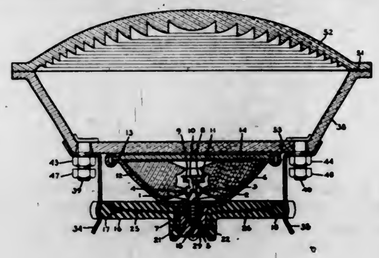


1. A vehicle headlight with an integral electric lamp, consisting of, a receptacle being a reflector with a headlight lens and cover of transparent material attached thereto, said receptacle having an electric lamp enclosed therein with a lamp base positioned in axial alignment extending therefrom, said lamp having a light source with electric leads extending therefrom to said lamp base, said lamp having full-beam refracting elements for gathering light from said light source and projecting the same to said reflector thence through said lens in predetermined directions.

2,362,173
VEHICLE HEADLIGHT WITH ONE REMOVABLE FULL-BEAM ELECTRIC LAMP
Harold Swanson, Brownhelm Township, Lorain County, Ohio
Application March 25, 1943, Serial No. 480,422
2 Claims. (Cl. 176—34)

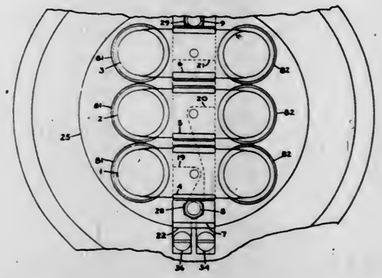
1. A vehicle headlight full-beam electric lamp, consisting of, a light source, leads connecting to said light source, a full-beam refracting element of light transmitting material having a chamber

enclosing said light source, said element made in half sections affording means to assemble said light source and leads therein, said element having a beveled light reflecting surface encircling its



outside, said chamber formed of lens and prism sections, said sections arranged to gather light-rays in nearly all directions from said light source and projecting the same to said outside reflecting surface thence in predetermined directions.

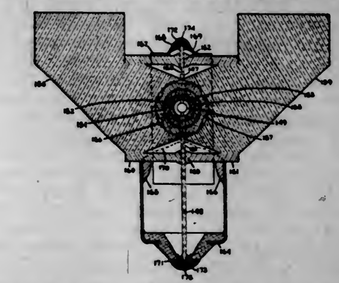
2,362,174
VEHICLE HEADLIGHT WITH SEVERAL REMOVABLE FULL-BEAM ELECTRIC LAMPS
Harold Swanson, Brownhelm Township, Lorain County, Ohio
Application March 25, 1943, Serial No. 480,423
5 Claims. (Cl. 176—34)



1. A vehicle headlight with several removable full-beam electric lamps, consisting of, a receptacle of transparent material having a headlight lens cover attached thereto, said receptacle having sockets attached thereto to hold several full-beam electric lamps in focusing alignment with said lens cover, said sockets providing electrical contacts and affording independent removal and insertion for said lamps from each other, said lamps projecting their light through the bottom of said receptacle and thence through said lens cover in predetermined directions.

2,362,175
PIPED LIGHT FULL-BEAM ELECTRIC LAMP
Harold Swanson, Brownhelm Township, Lorain County, Ohio
Application March 25, 1943, Serial No. 480,424
5 Claims. (Cl. 176—34)

1. A piped light electric lamp having a light source, leads to said light source, a receptacle closing the same, said receptacle composed of two transparent bodies hermetically sealed together, an interior space enclosed by said receptacle being a light source chamber for said light source, said light source chamber having lens surfaces with prism reflecting sections arranged to form full-beam refracting elements and gather light-rays



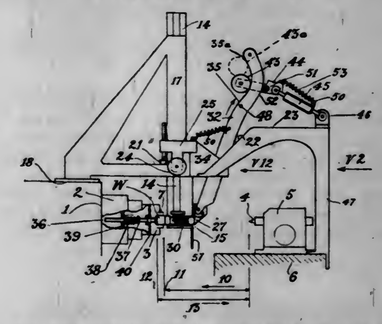
in nearly all directions from said light source into two opposing directions to form predetermined light beams.

2,362,176
FLASHLIGHT FULL-BEAM ELECTRIC LAMP
Harold Swanson, Brownhelm Township, Lorain County, Ohio
Application March 25, 1943, Serial No. 480,425
8 Claims. (Cl. 176—34)



1. An electric lamp having a light source, leads to said light source, a receptacle closing the same, said receptacle composed of relatively thick transparent lens sections, the interior space enclosed by said receptacle being of relatively small volume as compared to the lens volume, all of said lens sections arranged to form full-beam refracting elements and give a maximum light value in predetermined directions.

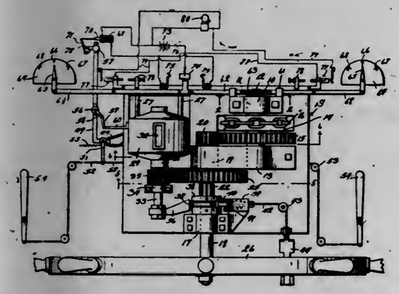
2,362,177
AUTOMATIC LOADING APPARATUS FOR MACHINE TOOLS
William A. Tulloch, Saginaw, Mich., assignor of one-half to George B. Willcox, Saginaw, Mich.
Application April 10, 1944, Serial No. 530,294
6 Claims. (Cl. 77—3)



1. An automatic loading apparatus for a machine tool having a collet and a reciprocative tool carriage, a supply magazine for work pieces; a movable work-piece chamber communicating with the magazine and arranged to deliver automatically one work-piece at a time from the magazine into the chamber; means actuated by

the tool carriage and operatively connected to the chamber for shifting the chamber by turns from coaxial alinement with said collet to a place remote from such alinement; said shifting means comprising a cam and a cooperative runner, one being fixed in relation to the chamber and movable therewith, the other being fixed to and movable with the tool carriage; a work-piece impeller operative within the chamber and comprising a cushioned portion adapted to engage and move the work-piece out from the chamber and into the collet; actuating means for said impeller, comprising an oscillatory lever movable as a whole with the chamber; said lever having one end jointed to the impeller and having at a place intermediate its ends pivotal connection to a part fixed in relation to the chamber; the end portion of the lever remote from the impeller presenting two cam faces; a trolley freely movable lengthwise of the cam faces; said trolley comprising a frame and a runner mounted thereon for engaging one of said cam faces independently of the other; means for oscillating the lever, comprising a connecting rod having an end pivotally secured to said reciprocative tool carriage, the other end hinged to the trolley frame; means for adjustably varying the length of said connecting rod; spring means for yieldingly keeping the trolley and connecting rod in angular position relatively to each other; a slidable rod mounted axially in the collet and normally spring-pressed outwardy therefrom with less force than the force exerted by the aforesaid cushioned portion of the work-piece impeller in the chamber.

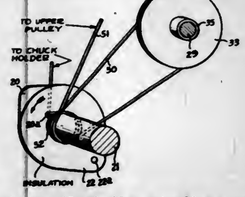
2,362,178
HAND AND POWER STEERING MECHANISM
Arnold V. Walker, Pascagoula, Miss.
Application October 31, 1942, Serial No. 464,098
19 Claims. (Cl. 114—144)



1. Ship steering mechanism, comprising a rotatable rudder cable sheave, a rotatable hand steering wheel, a rotary power driven unit, and means for selectively establishing an operating connection between the sheave and the hand steering and power driven units, and simultaneously disestablishing operating connection between the sheave and the non-selected unit.

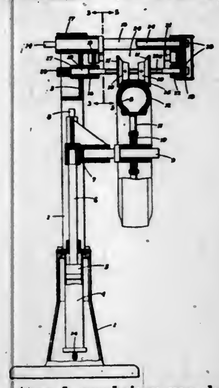
2,362,179
METHOD OF WINDING COILS
Karl H. Weber, Toledo, Ohio
Application August 3, 1940, Serial No. 350,589
12 Claims. (Cl. 242—25)

1. The method of winding coils in layers on a spindle from a continuous wire strand, comprising rotating the spindle with an end of the strand attached thereto whereby the wire strand is wound in turns about the spindle, and forming an enlarged elongated closed loop in the wire strand surrounding the spindle adjacent the turn



being wound, so that the portion of the strand just being wound is positioned between the last wound turn and the loop and in touching relation with both.

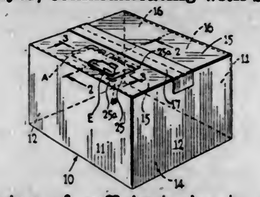
2,362,180
APPARATUS FOR APPLYING TREAD RUBBER TO TIRES
Ray O. Wilson, Los Angeles, Calif., assignor of one-third to Arthur A. Behm and one-third to Leiland A. Irish, both of Los Angeles, Calif.
Application May 3, 1940, Serial No. 333,145
3 Claims. (Cl. 154—9)



1. In a tire-tread applying machine, means to rotatably support a tire, a drive shaft mounted in a fixed position parallel to the axis of a supported tire, a bracket swung for rotation about said shaft, a pair of driven shafts mounted on said bracket in spaced relation to each other and to the first named shaft and equidistant from the latter, means connecting all the shafts in driving relationship, a roller mounted on one of said driven shafts to engage the tread of a supported tire on its face when said roller is radially aligned with the tire, and elements mounted on the other driven shaft to engage the tread on its side edges when said elements are radially aligned with the tire.

2,362,181
SHIPPING OR MAILING CONTAINER
Morton W. Zimmerman, Brooklyn, N. Y.
Application December 12, 1940, Serial No. 369,718
2 Claims. (Cl. 229—6)

1. In a container of the class described a wall comprising a corrugated sheet of material, a flat sheet of material overlying said corrugated sheet and adhesively attached thereto except for a predetermined area thereof, the portions of said corrugated sheet and said overlying layer in said predetermined area being free and unattached to form a pocket therebetween for the reception of an invoice envelope or letter and a slit in said overlying layer, communicating with said pocket,

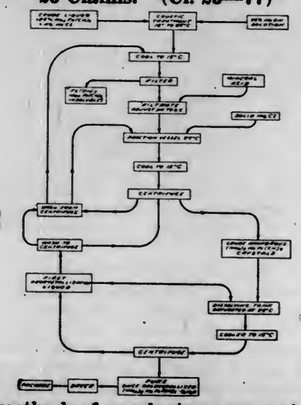


said slit being of sufficient size to permit the passage therethrough of said invoice envelope or letter.

2,362,182
MANUFACTURE OF CELLULOSE ACETATE SOLUTIONS
William O. Baker, Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application December 20, 1941, Serial No. 423,806
9 Claims. (Cl. 106—183)

2. The method of dissolving cellulose triacetate in a cellulose acetate solvent selected from the group consisting of acetone, methyl ethyl ketone, methyl acetate, ethyl acetate, propyl acetate, methyl formate, ethyl formate and propyl formate which comprises swelling said cellulose triacetate in said solvent at about —75° C. and raising the temperature of the swollen material until a relatively fluid solution is produced.

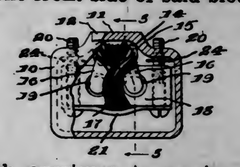
2,362,183
METHOD OF PRODUCING DIAMMONIUM MONOALKALI METAL FERRICYANIDE
Robert B. Barnes and Leonard Patrick Moore, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application February 14, 1940, Serial No. 318,896
23 Claims. (Cl. 23—77)



1. A method of producing ammonium alkali metal ferricyanide which includes reacting in aqueous solution an inorganic ammonium salt and alkali metal ferricyanide.

2,362,184
FITTING FOR SERVICE ENTRANCE CABLE
Carl H. Bissell, Syracuse, N. Y., assignor to Crouse-Hinds Company, Syracuse, N. Y., a corporation of New York
Application May 18, 1942, Serial No. 443,416
2 Claims. (Cl. 174—81)

1. A fitting for service entrance cable comprising a metallic cap member adapted to be mounted and secured on the exterior of a building or the like, a cable clamping block of insulating material arranged in the cap, screws extending through said block and threading into the rear wall of the cap, a metal strap extending across the front side of said block and being



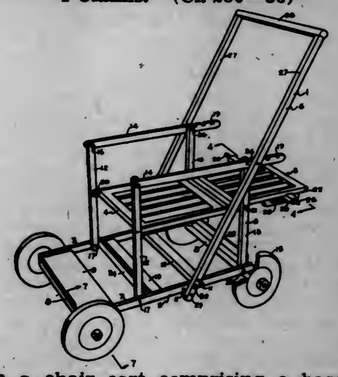
formed with apertures to receive said screws, said block being formed with apertures extending perpendicular to said screws to receive the conductors of the cable, said screws being operable to move the clamping block against said cable to clamp the same against the rear wall of the cap, and said strap being operable to clamp one of the conductors of the cable against the front side of said block.

2,362,185
ASSEMBLING OF LAMINATED DRIVING BELTS
Harry Brammer, Leeds, England
Application February 28, 1944, Serial No. 524,333
In Great Britain January 15, 1943
9 Claims. (Cl. 29—235)



1. Machine for use in assembling laminated belting connected by studs riveted to one of the links, comprising a rest member to receive each stud in turn, a plunger having a working stroke to approach the rest member but with its axis out of alignment therewith and a pressure element on the plunger to exert pressure on the uppermost link of the belting adjacent the stud head so that the latter is forced through the said link and can be forced easily into position by the assembler or machine operator flexing the links whilst the pressure element is on the said uppermost link.

2,362,186
CHAIR CART
Louis P. Brantz, Philadelphia, Pa.
Application August 5, 1943, Serial No. 497,516
4 Claims. (Cl. 280—36)



3. In a chair cart comprising a base frame mounted on wheels, a seat supporting member

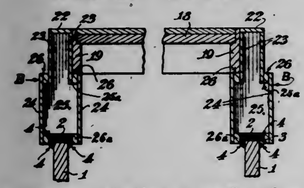
carried by said base frame, a seat carried by said seat supporting member, arm rests carried by said seat supporting member, a cross handle carried by said arm rests, and a back rest pivoted at one of its ends in said seat,—means for latching said back rest, said means consisting of an extension formed on each of said arm rests, each of said extensions having a plurality of latching pin receiving notches formed therein; two spaced channels formed on said back rest; and a latching bar, terminating at each of its ends in a latching pin each positioned for being received in any one of said arm rest latching pin receiving notches of the arm rest which is contiguous thereto, mounted for horizontal movement in said back rest slot.

2,362,187

PANEL OR UNIT FOR BUILDINGS AND BUILDING CONSTRUCTED THEREFROM

Bernard Brunton and Rolfe Gilbert Booth, London, England

Application February 2, 1942, Serial No. 429,304
In Great Britain February 10, 1941
3 Claims. (Cl. 20—2)



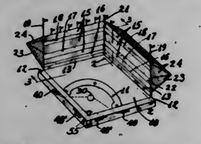
1. A building, including, a roof and ceiling construction adapted to be mounted on the top rails of wall forming panels defining room spaces in the building, said roof and ceiling construction comprising, hollow box-like beams including spacing members having their bottom edges bearing transversely on said top rail and having their side edges stepped inwardly medially of their top and bottom edges, top and side facing sheets fitted to the top and inwardly stepped edges of the spacing members, and roof panels having depending runner flanges whose lower edges are supported by the stepped formations of the spacing members which face inwardly of the room space.

2,362,188

BASEBALL GAME DEVICE

James Clark, Bronx, N. Y.

Application October 26, 1942, Serial No. 463,363
4 Claims. (Cl. 273—89)



2. In a baseball game device, a substantially rectangular field board, continuation panels extending from two adjacent sides of said field board, grandstands mounted upon said continuation panels, said grandstands comprising inclined walls extending rearwards from said panels, superimposed spaced horizontal strips above said panel forming superimposed spaces, end wall members formed on said inclined walls and engaging the back faces of said strips, and cheesecloth material having its top edge secured to the topmost of said strips and its bottom edge secured to said inclined wall and said end wall members, and means for collapsibly supporting said grandstands, comprising vertical flagstaffs removably mounted on said field board and to which the ends of said horizontal strips are removably attached.

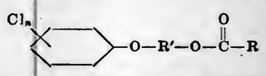
2,362,189

UNSATURATED ESTERS OF HALO-ARYLOXY ALCOHOLS

Gerald H. Coleman and Bartholdt C. Hadler, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application September 25, 1941, Serial No. 412,297
3 Claims. (Cl. 260—486)

1. An ester of a halo-arloxy-substituted lower alcohol and an unsaturated aliphatic mono-carboxylic acid, said ester having the general formula



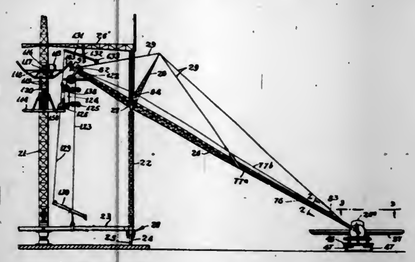
wherein R' represents a lower alkylene radical containing from two to six carbon atoms, R represents an aliphatic hydrocarbon radical containing not more than ten carbon atoms and a single ethylenic linkage, and n represents an integer not greater than 4.

2,362,190

APPARATUS FOR AMUSEMENT AND INSTRUCTION IN AVIATION

Rafael Ponce Cortés, deceased, late of Mexico City, Mexico, by Teresa A. Cortés, executrix, Mexico City, Mexico

Application September 25, 1941, Serial No. 412,277
6 Claims. (Cl. 272—36)



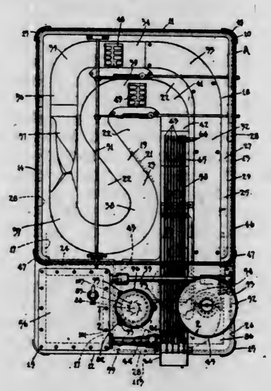
1. In an apparatus for amusement and instruction in aviation, a revolving structure having a central post and a support radially spaced from said central post, a radially extending arm pivotally mounted intermediate of its ends on said support, a saddle coaxially turnably mounted on the outer end of said arm, an airplane body for passengers and provided with controls for aerial acrobacy such as banking, barrel turning, etc. and having a tube extending along its longitudinal axis in the vicinity of its center and said airplane body having at the front an electric motor driven propeller, means for rotatively supporting said tube at right angles to the outer end of said arm and through said saddle, and means for limiting pivoting of said arm for controlling ascending and descending of its outer end and thus of said airplane body, said saddle being provided with abutments engageable with brackets mounted on said arm for limiting turning of the saddle through a restricted annular distance.

2,362,191

DOUGHNUT MACHINE

William R. Coyne, Minneapolis, Minn., assignor to Dough-King, Inc., Minneapolis, Minn., a corporation of Minnesota

Application April 5, 1943, Serial No. 481,830
10 Claims. (Cl. 99—406)



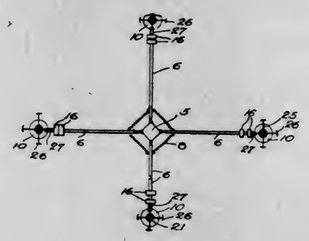
1. In a doughnut machine, means forming an open way along which the doughnuts are progressed through circulation of the cooking liquid, means forming a vertically extending closed passageway between the beginning and end of said way having a circular outlet, a vertically extending shaft concentric with said outlet, an impeller carried by said shaft and having a plurality of circumferentially disposed blades encircling said outlet at a locality above the same, said blades extending in an up and down direction and being angularly disposed relative to radii extending through the outermost edges thereof, the innermost edges of said blades leading the outermost edges thereof, said blades discharging into the beginning of the way.

2,362,192

FLOATING MINE

Paul J. M. R. Delalande, Washington, D. C., assignor to United States Ordnance Company, Washington, D. C., a corporation of Virginia

Application April 28, 1941, Serial No. 390,819
14 Claims. (Cl. 102—11)



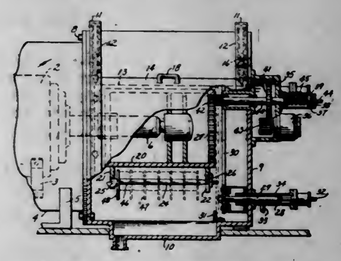
1. A floating mine of the character described comprising a plurality of radially disposed rigid spars or the like connected at their inner ends, and an independently actuated contact explosive charge secured directly to the outer end of each rigid spar.

2,362,193

HYDROEXTRACTOR

Ivanhoe Peter Denyssen, Yeadon, and Ross M. Pfalzgraff, Swarthmore, Pa., assignors to American Viscose Corporation, Wilmington, Del., a corporation of Delaware

Application February 14, 1942, Serial No. 430,880
10 Claims. (Cl. 34—58)



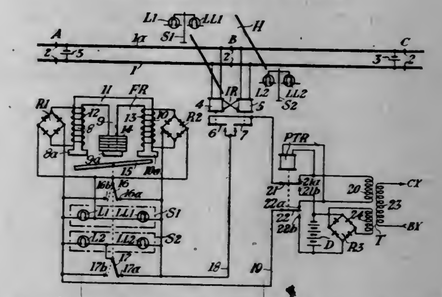
9. A centrifugal extractor comprising a rotor, a plurality of supports for wound filamentary material to be extracted spaced about said rotor for rotation therewith, means for securing the supports to the rotor for rotation therewith comprising releasable means adjacent a portion of each support, a housing surrounding the supports, an annular guard within the housing and means for selectively placing said guard into operative position about said supports at one end thereof to prevent damage resulting from outward swinging of said supports and into inoperative position spaced from the supports.

2,362,194

SIGNAL CONTROL APPARATUS

Arthur E. Dodd, Edgewood, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

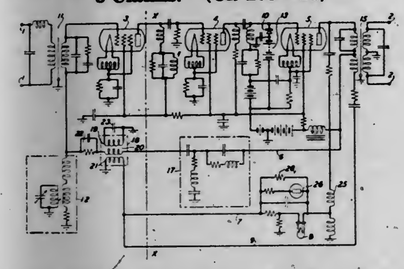
Application July 30, 1942, Serial No. 452,904
6 Claims. (Cl. 175—320)



1. In combination, a relay comprising two windings, an armature which is moved to one position or another according as one winding or the other is energized, a first contact closed when said armature occupies its one position and a second contact closed when said armature occupies its other position, a first full wave rectifier having its output terminals connected with said one winding, a second full wave rectifier having its output terminals connected with said other winding, an energizing circuit for said relay including a pair of wires one of which is connected with the one input terminal of the one rectifier and the other of which is connected with the one input terminal of the other rectifier, means connecting the remaining input terminals of said rectifiers together, means for

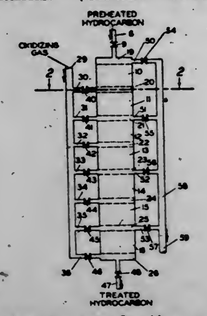
short circuiting said one winding when said first contact is closed, and means for short circuiting said other winding when said other contact is closed, whereby said armature will oscillate when said energizing circuit is supplied with either alternating or direct current.

2,362,195
ELECTRIC WAVE AMPLIFIER WITH FEEDBACK
James O. Edson, Great Kills, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 5, 1942, Serial No. 467,945
8 Claims. (Cl. 178—44)



1. An electric wave amplifier comprising an input circuit, an output circuit, and a path connecting said input and output circuits for negative feedback over a broad band of frequencies, and means for generating oscillations at a frequency within the said broad band comprising said amplifier and a positive feedback path extending from said output circuit to a point within said negative feedback path, whereby the intensity of the oscillations effective in said input circuit is substantially less than the intensty of the oscillations fed back through either of said paths alone.

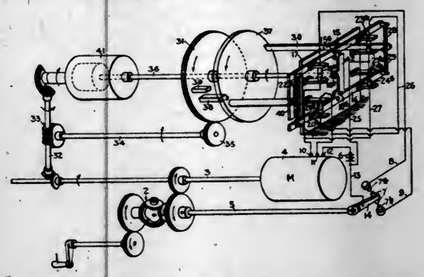
2,362,196
TREATMENT OF HYDROCARBONS TO PRODUCE VALUABLE PRODUCTS
Frederick E. Frey, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application June 3, 1941, Serial No. 396,448
5 Claims. (Cl. 260—683.3)



1. An apparatus for conducting a hydrocarbon conversion process which involves the reaction between a gaseous hydrocarbon and another gas in the presence of a catalyst, which comprises, in combination, a relatively large elongated vertical converter shell, a plurality of vertically spaced catalyst-containing zones in said shell with intermediate catalyst-free zones, an inlet conduit connected adjacent one end of said shell for admitting a gaseous hydrocarbon, an outlet conduit connected adjacent the other end of said shell for withdrawing treated gaseous products therefrom, a manifold for admitting said other gas to said shell, a plurality of branch lines leading from said manifold into said catalyst-free zones to a point just inside said shell, nozzles associated with each of said branch lines just inside said shell and arranged to discharge tangentially of said shell, Venturi tubes associated with each of said nozzles in surrounding relationship therewith and arranged to discharge tangentially of said shell, said Venturi tubes having their suction inlets in free communication with said catalyst-free zones.

2. A process for the dehydrogenation of a paraffin hydrocarbon having at least two carbon atoms in the molecule to a mono-olefin hydrocarbon without the formation of substantial amounts of oxides of carbon, which comprises passing a fluid stream comprising the hydrocarbon maintained at a normal dehydrogenation temperature through a plurality of injection points into and through a reaction zone containing a dehydrogenation catalyst, intimately mixing a gas comprising free oxygen with the hydrocarbon streams at each of said injection points, out of contact with said catalyst but near the point at which the mixed stream enters the reaction zone and before the mixed stream comes into contact with the catalyst in said zone, in such proportion that not less than a total of approximately 1 atom of oxygen is admitted for each 100 molecules of hydrocarbon but less than that which produces substantial amounts of oxides of carbon in the products and such that not more than a total of approximately 1 atom of oxygen is admitted for each 2 molecules of hydrocarbon passing through the entire catalytic reaction zone, and in such manner that not more than approximately 1 atom of oxygen is introduced at any one of the plurality of injection points to each 10 molecules of hydrocarbon in the entire reaction zone, and recovering the dehydrogenated product.

2,362,197
ELECTRICAL STOP MECHANISM
Elmer E. Garrett, Rockville, Centre, N. Y., assignor to Ford Instrument Company, Inc., Long Island City, N. Y., a corporation of New York
Application September 17, 1942, Serial No. 458,705
12 Claims. (Cl. 192—142)



1. An electrical limit stop mechanism comprising an electrically operated power device, a driven member operated thereby, an energizing circuit for the power device including a movable contact, means normally biasing the contact to closed position, mechanical means operated by the power device for opening the contact at the limit of movement of the driven member, and means responsive to the speed of the driven member for applying an opening force upon the movable contact.

2,362,198
OIL WELL AND CASING CLEANING BRUSH
Clair J. Gibson, Los Angeles, Calif.
Application April 18, 1941, Serial No. 389,154
3 Claims. (Cl. 166—18)



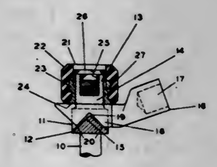
1. In a brush for cleaning wells, casings, and the like, a mandrel, a tube surrounding a portion of said mandrel, there being an annular chamber formed between said mandrel and tube and provided in its wall with openings, a plurality of wire bristles having pre-formed intermediate portions that pass partially around said mandrel within said annular chamber, with the end portions of said bristles arranged to slide freely through the openings in said tubular member and the width of the annular chamber between the mandrel and tube being substantially greater than the diameter of the wire bristles in order that the intermediate portions of said bristles may flex radially and circumferentially within said chamber.

2,362,199
MACHINE GUN OPERATION DEVICE FOR AIRCRAFT
Martin Glowka, New York, N. Y.
Application August 20, 1941, Serial No. 407,528
5 Claims. (Cl. 89—37.5)



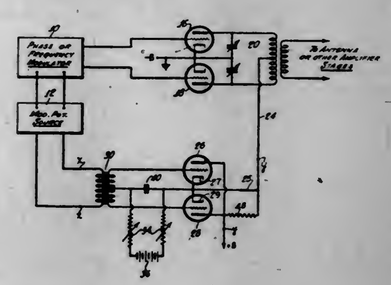
1. A device of the class described comprising an airplane fuselage, a plurality of machine guns mounted within the fuselage, means fixed in said fuselage univerally mounting the front ends of the barrels of said guns, a housing mounted within said fuselage to the rear of said guns, a frame horizontally slidably supported in said housing, a rail superimposed above said frame, means universally attaching the rear ends of said guns to said rail, posts extended vertically downwards from said rail and passing slidably through said frame to limit movement of said rail to the vertical relative to said frame, manually operated means mounted on the frame for lifting said rail vertically to pivot said guns and lower the front ends of their barrels, and resilient means on said posts urging said rail continually downwards against said manually operated means.

2,362,200
ELECTRIC CONNECTOR
Robin Gray, Stockport, England, assignor to The Electric Storage Battery Co., a corporation of New Jersey
Application January 13, 1943, Serial No. 472,201
In Great Britain February 16, 1942
5 Claims. (Cl. 173—259)



1. An electrical connector comprising a slotted element adapted to be secured to one electrical conductor, a flattened element for engaging said slotted element and adapted to be connected to a second electrical conductor, a projection in said slotted element at the base of said slot, a notch in said flattened element adapted to engage said projection and having a cross sectional area of opening at its widest portion less than the cross sectional area of said projection below the top portion thereof so that when said notch engages said projection substantially a line contact is attained, a terminal nut threaded on said slotted portion and adapted to engage the upper surface of said flattened portion on opposite sides of said notch so as to bring said projection and notch into engagement and produce an area of concentrated contact pressure along the lines of contact between said notch and said projection.

2,362,201
MODULATION
Jarrett Lewis Hathaway, Manhasset, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application October 17, 1942, Serial No. 462,361
13 Claims. (Cl. 250—6)



1. In a system wherein the instantaneous frequency of wave energy is swung in proportion to the intensity of signaling current, the method of increasing the signal to noise ratio which includes the following steps, increasing the amplitude of the wave energy as the frequency thereof deviates from carrier frequency in one direction, increasing the amplitude of the wave energy as the frequency thereof deviates from carrier frequency in the other direction and maintaining the signalling channel width substantially constant during said operation.

2,362,202

SEPARATION OF COPPER FROM ZINC

John O. Hay, Cleveland Heights, Ohio, assignor to The Harshaw Chemical Company, Elyria, Ohio, a corporation of Ohio

No Drawing. Original application March 23, 1942, Serial No. 435,915. Divided and this application September 20, 1943, Serial No. 503,153
4 Claims. (Cl. 23—135)

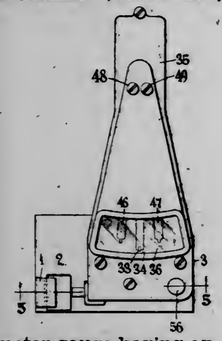
1. A process for obtaining copper sulfide and a zinc salt from a zinc-copper alloy which comprises heating an aqueous, acid solution containing a copper salt and a zinc salt in contact with the alloy and elemental sulfur.

2,362,203

MICROMETER GAUGE

Erwin C. Horton, Hamburg, and Anton Rappl, Buffalo, N. Y., assignors to Trico Products Corporation, Buffalo, N. Y.

Application May 4, 1942, Serial No. 441,614
20 Claims. (Cl. 33—147)



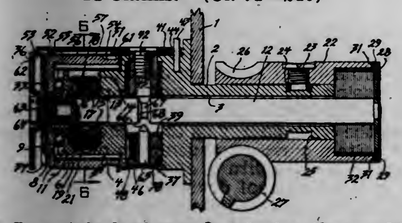
1. A micrometer gauge having an anvil, a work engaging member mounted for movement toward and from the anvil, a lever bearing on the member to be moved thereby for dimensional indication, means providing fulcrum support for the lever, spring means acting on the lever to project the member toward the anvil to a work engaging position, spring actuated means acting on the member normally to retract the latter from the anvil, quickly releasable manual means operable to render the retracting means inoperative whereby said spring means may function to project the work engaging member, and other means independent of said manual means for disposing said retracting means permanently inoperative.

2,362,204

STRIP FEED SPROCKET DEVICE

Albert S. Howell, Culver, Ind., assignor to The Bell & Howell Company, Chicago, Ill., a corporation of Illinois

Application June 17, 1942, Serial No. 447,357
14 Claims. (Cl. 74—240)



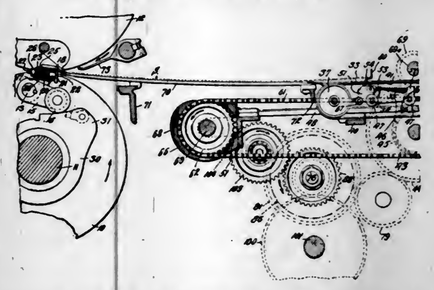
1. In a strip feed sprocket device, the combination of guide means forming an arcuate portion of a feed perforated strip, a rotatable sprocket disposed in approximately coaxial relation with said arcuate strip portion and having multi-toothed engagement therewith and mounted for movement relative to said guide means radially of the intermediate of said arcuate strip portion, and yieldable means urging said sprocket radially into toothed engagement with said arcuate strip portion.

2,362,205

METHOD AND MECHANISM FOR FEEDING SHEETS TO PRINTING MACHINES

William F. Huck, Richmond Hill, N. Y., assignor to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York

Application September 26, 1941, Serial No. 412,488
19 Claims. (Cl. 271—50)



1. The method of feeding metal sheets to a printing machine which consists in upwardly bending the leading portion of each sheet about an axis or axes disposed transversely of the direction of travel of the sheet towards sheet gripping position, and exerting forward and rearward longitudinal pressure against the trailing and leading edges of the sheet when it is moving in upwardly bent condition towards sheet gripping position to thereby laterally stiffen the sheet against buckling.

8. In a sheet feeding mechanism for a printing machine having cooperable printing cylinders, a feed table, arcuate guides located adjacent the printing cylinders and forming a portion of the sheet guide surface of the feed table along which sheets are fed to the printing cylinders, the portions of the arcuate guides which are disposed towards the printing cylinders being curved upwardly to thereby upwardly bend the leading portion of the sheet about an axis or axes disposed transversely of the direction of travel of the sheet towards the printing cylinders, and exerting forward and rearward longitudinal pressure against the trailing and leading edges of the sheet when it is moving in upwardly bent condition towards sheet gripping position to thereby stiffen the sheet to resist upward buckling away from the arcuate guides when the lateral edges of the sheet are subjected to lateral stresses.

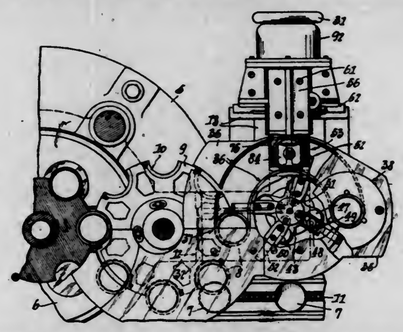
2,362,206

ROTARY CAN MARKER

Alfred L. Kronquest, Syracuse, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York

Application December 7, 1940, Serial No. 369,110
5 Claims. (Cl. 101—6)

1. In a machine of the character described, a travelling supporting means having equidistantly spaced receivers thereon on which to receive marked end closures, an end closure supply means, end closure marking means including rotary marking dies engageable in rolling contact with end closures moved therebetween, and means for feeding end closures one by one



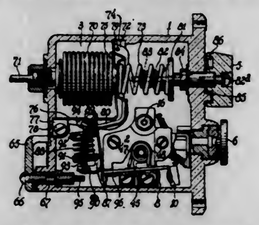
from the supply to said receivers and through said marking means including devices for moving each end closure rapidly between the marking dies and slowly at the position at which said end closure is received by one of said receivers.

2,362,207

CIRCUIT CONTROLLING DEVICE

Clarence W. Kuhn, Milwaukee, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware

Application January 29, 1934, Serial No. 708,804
25 Claims. (Cl. 200—81.5)



1. In a circuit controlling device, in combination, a movable switch element, manual operating means therefor including an overcenter spring for moving said element into and out of closed position with a snap action and for biasing said element to said position when operated thereto, a pressure responsive device for moving said element out of closed position against the action of said spring and an overload device responsive to move said element of out closed position through the medium of said spring, said overload device being resettable by said manual operating means.

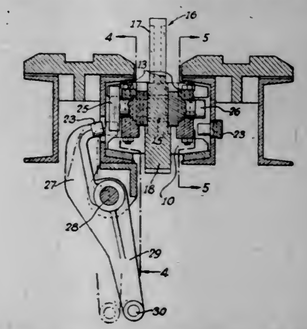
2,362,208

CONTROL MEANS FOR PUSHER ELEMENTS OF ROLLING MILL SKID BEDS

Matthias Langen, Parkstone, England, assignor to The Loewy Engineering Company Limited, London, England, a corporation of Great Britain

Application October 14, 1943, Serial No. 506,184
In Great Britain October 15, 1942
7 Claims. (Cl. 80—48)

1. A rolling mill skid-bed having a plurality of carriages movable in unison in parallel guideways, means for moving said carriages in opposite directions, each carriage containing a pusher element, a pivotal support for said pusher element, and control means for displacing said pivotal support from one position to another inside said carriage, said control means comprising a rotary shaft mounted in said carriage and connected with said pivotal support so that a rotary movement of said shaft will cause the displacement of said pivotal support, cams on said shaft adapted to come successively into action to cause such a rotary movement, each cam turning said shaft through a portion of the rotary movement required for the displacement of said pivotal support, and stops arranged in the path of the carriage, each stop co-operating with one of said cams.

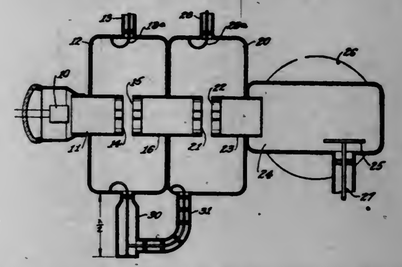


2,362,209

ULTRA-HIGH-FREQUENCY RECEIVER

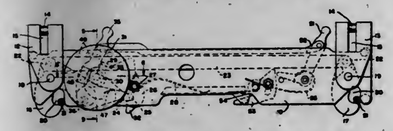
Charles V. Litton, Redwood City, Calif., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

Application July 13, 1940, Serial No. 345,282
1 Claim. (Cl. 250—27)



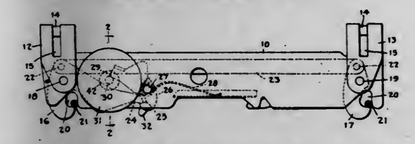
A high frequency tube arrangement comprising means for producing a stream of electrons traveling at a given average velocity, an input circuit for modifying the velocity of electrons in said stream in accordance with modulated high frequency waves, means for allowing said modified electrons to form groups in said beam, resonant circuit means for extracting energy from said electron groups thereby causing a slowing down of the electrons in said beam, means for deflecting said slowed electrons in a given direction, means arranged in the path of resulting deflected electrons of a certain velocity for producing an output current, said last-mentioned means comprising an electrode disposed substantially longitudinally of said stream of electrons and displaced from the axis thereof, said electrode being disposed in a conducting envelope, and having a direct coupling with said envelope, and a signal responsive device included in said coupling.

2,362,210
BOMB RELEASING SHACKLE
Roscoe I. Markey, East Orange, N. J., assignor to Pollak Manufacturing Company, Arlington, N. J., a corporation of New Jersey
Application August 7, 1941, Serial No. 405,729
3 Claims. (Cl. 89—1.5)



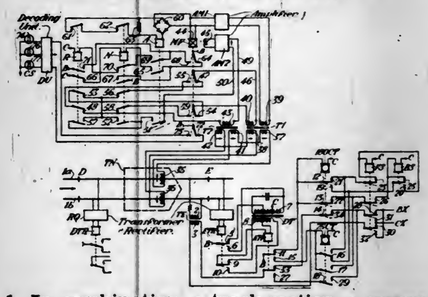
1. A bomb releasing shackle having in combination, a supporting frame, bomb carrying hooks pivoted in said frame, a tie rod connecting said hooks so that they will operate simultaneously, releasable locking means for the tie member and its hooks said releaseable locking means being mounted in said frame, a solenoid for operating said releasable locking means, the core of said solenoid being provided with an annular groove intermediate its outer end and a beveled portion adjacent said groove, and a control lever for said releasable locking means, said control lever being pivotally mounted in said frame and at substantially right angles to the core of said solenoid in one position having a portion thereof engaging said annular groove in the core of said solenoid so as to prevent operation of the releasable locking means, in another position being free of said core so as to permit the solenoid to operate the releasable locking means, and in another position having its free end engaging said beveled portion on the core of said solenoid so as to cam said core inwardly and manually operate the releasable locking means.

2,362,211
ELECTRICAL CONTROL SYSTEM
Roscoe I. Markey, East Orange, N. J., assignor to Pollak Manufacturing Company, Arlington, N. J., a corporation of New Jersey
Original application August 7, 1941, Serial No. 405,729. Divided and this application May 14, 1943, Serial No. 487,053
1 Claim. (Cl. 89—1.5)



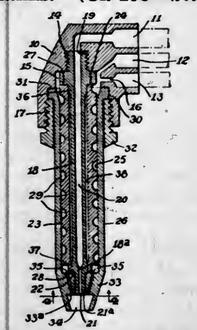
An electrical control system for a series of bomb releasing shackles, said control system having in combination a solenoid-plunger mechanism in each shackle for operating the releasing mechanism of the shackle, a single pole double throw switch mounted in each shackle adjacent the solenoid-plunger mechanism, actuating means for the switch of each shackle located in the path of movement of the plunger of solenoid-plunger mechanism, electrical connections between one contact of the switch of each shackle and the solenoid of the shackle, electrical connections between the other contact of the switch of each shackle and the switch on a succeeding shackle, the plunger of the solenoid-plunger mechanism of each shackle being correlated with the releasing mechanism of the shackle and with the switch of the shackle in such a manner that it engages the actuating mechanism of the switch and closes a circuit through the first mentioned contact of the switch when the bomb supporting means of the shackle is in bomb holding position, and is moved to a position out of engagement with the actuating means of the switch subsequent to its actuation to release the releasing mechanism of the shackle with a resulting closing of the circuit through the second mentioned contact of the switch.

2,362,212
RAILWAY TRAFFIC CONTROLLING APPARATUS
Paul N. Martin, Penn Township, Allegheny County, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application June 10, 1943, Serial No. 490,251
15 Claims. (Cl. 246—63)



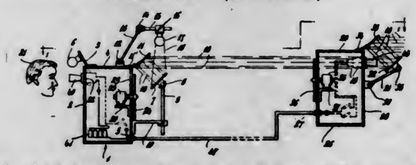
1. In combination, a track section, a source of alternating current connected across the rails of said section to supply current thereto, coding means having contacts interposed in the connection of said current source to the rails and operable at times to code the alternating current to have alternate on and off periods of a preselected rate and a reversal of phase with respect to said current source upon the occurrence of each on period, a train to travel said section provided with receiving means mounted on the train in inductive relation to the rails to receive energy in response to the alternating current thus supplied to the rails, and train carried signal apparatus connected to said receiving means and effectively excited by said received energy due to said code rate and reversal of phase of the rail current.

2,362,213
TORCH
Robert E. Miller and Roy J. Petty, New York, N. Y.; said Petty assignor to said Miller
Application August 5, 1941, Serial No. 405,464
5 Claims. (Cl. 158—27.4)



1. A liquid fuel torch comprising a head member having passages therein, an internal tip member extending from said head and having a passage extending therethrough in communication with one of the passages in said head, a generating sleeve surrounding said tip member and spaced apart therefrom to form therewith an insulating chamber extending along said tip member, said sleeve member having a tortuous passage formed upon its outer surface in fluid connection with the remaining passages in said head, an outer sleeve extending over and surrounding said generating sleeve, the inner wall of said outer sleeve overlying said tortuous passage in the generating sleeve to form therewith a fluid conduit extending from said head member to a point adjacent the extremities of said sleeves, said outer sleeve having near its outer end a transverse inner wall forming together with an extension of said sleeve a chamber constituting an external nozzle opening to atmosphere and forming the tip of the torch, said transverse inner wall having conduits extending therethrough, said conduits being in fluid connection with said chamber and said tortuous passage, and said chamber also being in communication with the passage in said internal tip member.

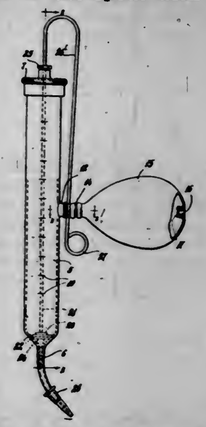
2,362,214
TELEVISION TOY
Anthony Morch, Brooklyn, N. Y.
Application March 15, 1944, Serial No. 526,570
2 Claims. (Cl. 46—1)



1. A television toy comprising a transmitter unit of a light weight box having in opposite walls apertures which register with one another and blades adapted to be rotated before one of said apertures; said transmitter unit having near one of said apertures a source of light and a microphone, and at the other aperture a vertically and angularly adjustable mirror, a second source of light adjustably mounted upon said unit and a second angularly adjustable mirror; and a receiver unit having near one of its apertures a device for reproducing the sounds received by the microphone on said transmitter unit and a pair of mirrors one of which is angularly and vertically adjustable and the other of which is angularly adjustable; said angularly and vertically adjustable mirror on said transmitter unit being adapted to receive through both apertures in said unit the image of an object placed before said unit and also to receive light from said second source of light and to project the image and light upon said second mirror, the latter being adapted to project the image and the light through the apertures in said receiving unit upon the angularly and vertically adjustable mirror on said receiving unit when both sets of mirrors are in line with each other and to project the image and light received into the angularly adjustable mirror of said receiving unit, all substantially as described.

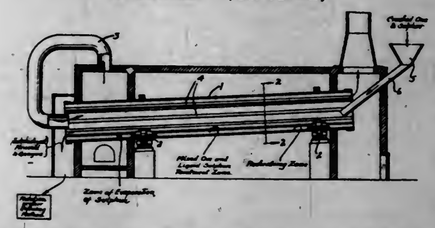
2,362,215
FEEDING DEVICE
Philip Morreale, Brooklyn, N. Y.
Application April 14, 1943, Serial No. 483,025
4 Claims. (Cl. 119—51)

1. In a feeding device including a tubular squab feed containing body having a spout at one end and a removable closure at the opposite end, valve controlled means mounted in the wall of the body intermediate the ends thereof opening into and closing outwardly from the body and urged to the outlet closing position, and said valve controlled means adapted for the connection of means for entering fluid pressure into the body for ejecting the feed from the body through the spout thereof, a valve adapted to be seated at the juncture of the spout with the body to



shut off communication between the body and spout, and a rod connected to and carrying said valve extended through and slidable in the closure at the end of the body, said valve rod being of greater length than the body and a portion exterior of the body bent reversely to extend adjacent the valve controlled means and arranged with a thumb engaging portion to actuate the valve simultaneously with the manipulating of the body in the feeding operation.

2,362,216
METHOD OF RECOVERING MINERALS
Howard L. Reed, San Antonio, Tex.
Application June 24, 1940, Serial No. 342,127
3 Claims. (Cl. 75—1)



1. In the recovery from their ores of oxide minerals capable of being sulphidized by contact with sulphur, the method which comprises causing a mixture of the crushed ores with sulphur to travel through zones increasing progressively in temperature up to a point above the melting point of sulphur, whereby the oxide minerals are brought into intimate contact with molten sulphur and the oxygen present in such minerals combines with part of the sulphur to form sulphur dioxide, and causing hot gases containing carbon monoxide to flow in a counter-current over said mixture of ore and sulphur, whereby the sulphur dioxide formed is reduced by the carbon monoxide, and the resulting free sulphur thus recovered is returned to the traveling mixture.

2,362,217

PRODUCTION OF CELLULOSIC PRODUCTS

Paul Henry Schlosser and Kenneth Russell Gray, Shelton, Wash., assignors to Rayonier Incorporated, Shelton, Wash., a corporation of Delaware

No Drawing. Application January 13, 1943, Serial No. 472,284
17 Claims. (Cl. 260—212)

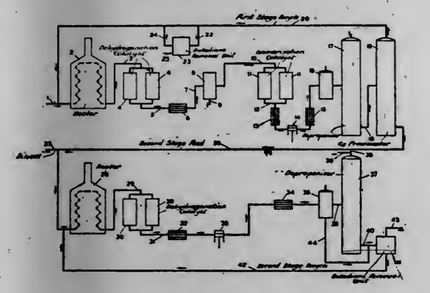
1. The method of improving a processing step in the production of regenerated cellulosic products by the viscose process from chemically prepared wood pulp which comprises adding prior to the completion of shredding the alkali cellulose a polypropylene oxide.

2,362,218

PROCESS FOR THE DEHYDROGENATION OF HYDROCARBONS

Walter A. Schulze and John C. Hillyer, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware

Application September 23, 1940, Serial No. 358,008
2 Claims. (Cl. 260—680)



1. A process for preparing butadiene from n-butane which comprises treating said n-butane with a dehydrogenating catalyst under suitable conditions to produce a mixture comprising butadiene, butene-1, butene-2, and butane, passing said mixture over an isomerization catalyst under conditions suitable to promote the conversion of butene-1 to butene-2, fractionating the effluent from the isomerization step to produce an overhead fraction predominantly lower-boiling than trans butene-2 and a bottoms fraction comprising essentially cis and trans butene-2, recycling said overhead fraction after absorption of butadiene therefrom to the initial dehydrogenation step along with fresh butane feed, treating said bottoms fraction in a second dehydrogenation step to convert a substantial proportion of the butene-2 to butadiene, separating the butadiene from the products of the second dehydrogenation step prior to recycling the unconverted C_4 material therefrom to the second dehydrogenation step along with fresh added butene-2 stock and finally combining the butadiene so recovered from the two dehydrogenation steps.

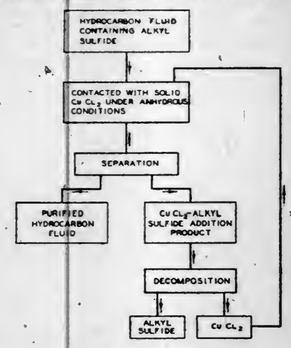
2,362,219

PRODUCTION OF ALKYL SULPHIDES

Walter A. Schulze and Lloyd C. Morris, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware

Application December 2, 1941, Serial No. 421,346
10 Claims. (Cl. 260—609)

1. The process which comprises thermally decomposing an addition compound of an alkyl monosulphide and cupric chloride at an elevated



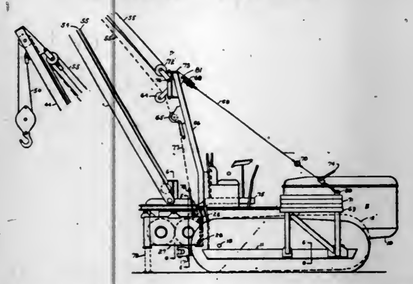
temperature sufficiently high to liberate the alkyl monosulphide therefrom.

2,362,220

TRACTOR MOUNTED CRANE

Robert C. Shoemaker, Portland, Oreg., assignor to Willamette Hyster Company, Portland, Oreg., a corporation of Oregon

Application May 12, 1942, Serial No. 442,614
22 Claims. (Cl. 212—8)



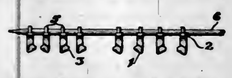
1. A tractor comprising a body, a crawler traction unit flexibly mounted on each side of said body, a hoisting unit including a mast mounted for rotation about a horizontal pivot at one end of said tractor, a boom support mounted on said hoisting unit for rotation about a vertical axis, said hoisting unit being adapted for assembly and disassembly relative to said tractor, and a guy cable having its opposite ends attached to the said crawler units remote from said hoisting unit, the intermediate portion of said cable being trained over a pulley at the top of said mast.

2,362,221

METHOD OF MAKING STRINGERS FOR SLIDE FASTENERS

Gideon Sundback, Meadville, Pa.

Application March 4, 1941, Serial No. 381,703
In Canada March 6, 1940
2 Claims. (Cl. 29—148)



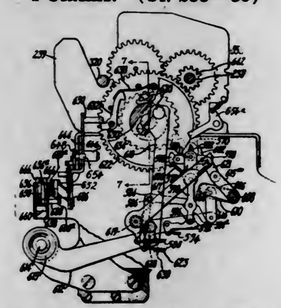
1. In the manufacture of stringers for slide fasteners of the class described, by collecting individual interlocking elements from a mass of loose and unorganized elements and positioning said individual elements in uniform orientation and spacing for application to a support the steps of providing a web extending between the extremities of the legs of each of the interlocking elements, thrusting an elongate pointed member through a disordered mass of such interlocking elements said elongate member entering between the legs and web of individual interlocking elements to pick up a plurality of the elements in the proper alignment for application to a support, and subsequently removing the webs from the interlocking elements.

2,362,222

ACCOUNTING MACHINE

Oscar J. Sundstrand, West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware

Original application June 29, 1939, Serial No. 281,772. Divided and this application December 30, 1939, Serial No. 311,743
4 Claims. (Cl. 235—59)



3. A machine of the class described having, in combination, a frame, a carriage movable in opposite directions upon the frame, a register including transfer mechanism therefor, means for restoring the transfer mechanism, a power drive for said means including normally disengaged driving and driven members through which the drive is effected, a movable control member for controlling one of said members to control the drive, a movably mounted pick-up device and an abutment relatively movable to correspond with the relative movement of the frame and the carriage, a dog carried by said device and located to engage said abutment at a predetermined point in the movement of the carriage to hold the dog and abutment from relative movement, an actuating element on said pick-up device, means on said control member constructed and arranged to be by-passed by said element during the relative movement of the pick-up device and abutment in one direction and to be engaged, actuated and then released by said element during the relative return movement of the pick-up device and abutment, first to operate the control member to cause the engagement of said driving and driven members and then to release the control member, means for restoring the control member to normal position upon its release by said element and mechanism engaged by said control member upon its restoration to normal position for disengaging said driving and driven members after a predetermined rotation of the driven member.

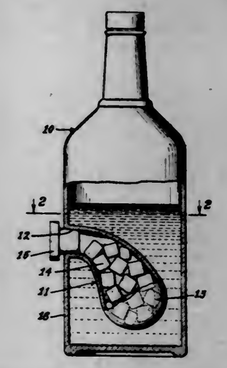
2,362,223

LIQUID CONTAINER WITH RECEPTACLE FOR REFRIGERANT

Daniel Platkin, Los Angeles, Calif.

Application July 13, 1942, Serial No. 450,766
1 Claim. (Cl. 215—6)

A hollow container formed with a substantially cylindrical upstanding body, as in a bottle, and provided with a restricted closable outlet at the top thereof of materially smaller cross sectional area than that of the body, said body having an opening in a side wall thereof, and a receptacle integral with and extending inwardly and downwardly into said body, the opening merging into a substantially cylindrical neck adapted for the reception of a frictional closure member and from said neck declining in a curved teardrop form with no portion above the level of the upper edge of the opening, and a frictional closure member insertible in and readily removable from said neck.

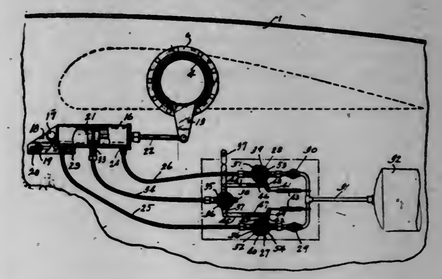


2,362,224

AIRCRAFT

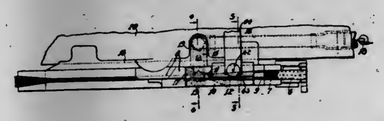
Gustav Roseland, Portland, Oreg.

Application November 2, 1942, Serial No. 464,168
1 Claim. (Cl. 244—48)



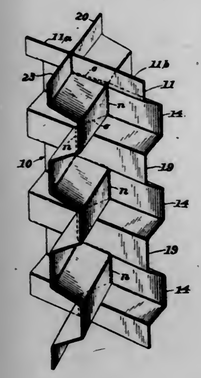
An aircraft wing and flight controls therefor, comprising hollow cylindrical wing beams extending outwardly from each side of the fuselage of the aircraft and independently rotatable with respect thereto, a wing secured to each wing beam for rotation therewith, and means for selectively or simultaneously rotating the wing beams to vary the angle of attack of the wings, said means comprising an air cylinder pivotally attached to a bracket adjustably mounted to the fuselage and a piston in the cylinder connected with the wing beam, an air-pressure tank connected with the cylinder at both ends thereof through valves for selectively directing air pressure to either or both ends of the piston, valves operable by movement of the piston to certain limits for exhausting air from the cylinder, whereby the piston is cushioned between its limits of movement to yield to shocks transmitted from the wing and to restore the wing to a position for normal flight.

2,362,225
CIGARETTE-MAKING MACHINE
Felix Frederic Ruau and Harry William Baldwin, Deptford, London, England, assignors to Molins Machine Company Limited, Deptford, London, England
Application November 7, 1941, Serial No. 418,272
In Great Britain December 10, 1940
2 Claims. (Cl. 131—110)



1. Dust removing apparatus for use with cigarette making machines of the continuous rod type having a support along which a stream of tobacco is conveyed, said apparatus comprising a shield associated with said support and extending above said tobacco stream to form a dust chamber overlying the stream, a duct communicating with said chamber and affording a passage extending downwardly from said chamber and into said support, suction means for withdrawing air and entrained dust from said chamber downwardly through said passage, and upstanding partitions disposed within said chamber at each side of said stream and extending in the direction of movement of the latter, said partitions being so positioned that air and entrained dust removed from said chamber are caused to flow upwardly over said partitions and downwardly into said ducts.

2,362,226
SHIP STRUCTURE
Joseph B. Weaver and William Starling Burgess, Washington, D. C., assignors to Weaver Associates Corporation, Washington, D. C., a corporation of Maryland
Application June 25, 1943, Serial No. 492,288
25 Claims. (Cl. 114—116)



1. Ship structure comprising plate portions in intersecting relationship, each of said portions having flutes extending substantially perpendicularly to their axis of intersection and one of said portions having an edge profiled as the flutes of another and butted against said other with said edge interfitted with the flutes thereof and welded to provide a continuous joint.

2,362,227
PROCESS FOR RECOVERING POLYMERIZED DIENES
Joseph H. Wells and Philip J. Wilson, Jr., Pittsburgh, Pa., assignors to Carnegie-Illinois Steel Corporation, a corporation of New Jersey
No Drawing. Application May 4, 1944, Serial No. 534,167
8 Claims. (Cl. 260—666)

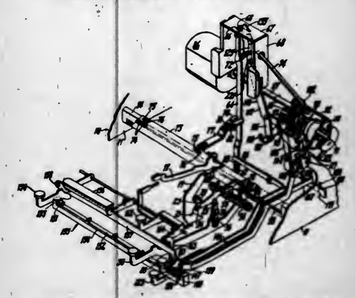
1. Process of recovering cyclopentadiene contained in benzol forerunnings substantially free from benzene, which comprises causing the cyclopentadiene to polymerize at atmospheric temperatures and pressures to dicyclopentadiene, with at most only relatively minor amounts of higher polymers, removing from the resulting dicyclopentadiene substantially all other materials originally present in the said forerunnings, and purifying the said dicyclopentadiene.

2,362,228
METHOD OF FORMING CONTACTS ON METAL OXIDE-METAL RECTIFIERS
Edgar E. Wright, Whitestone, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 12, 1941, Serial No. 397,721
1 Claim. (Cl. 204—23)



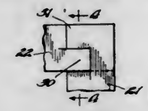
In the method of forming a copper contact on the surface of the copper oxide portion of a copper oxide-copper rectifier by electrolytically reducing the surface portion of the oxide to copper, the step of inhibiting penetration of the reduction beyond the surface portion of the oxide, that comprises making contact from the negative pole of the current source to a small portion of the surface of the oxide at the approximate center thereof, and stopping the reduction as soon as the surface portion only of the oxide is reduced to copper.

2,362,229
TYPEWRITING MACHINE
Harry C. Yaeger, West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application December 31, 1942, Serial No. 470,868
10 Claims. (Cl. 197—17)



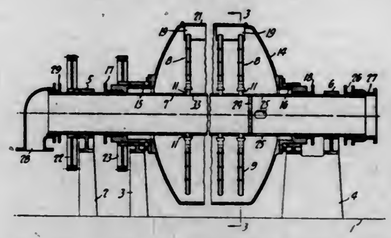
3. In a power-driven typewriting machine having a frame, a carriage adapted to traverse said frame, a multiplicity of type actions, means to letter-feed the carriage in response to an operation of any type action, the combination with a power-drive member, of type action actuators movable into motion-receiving relation with said power-drive member, key means to move said actuators selectively into motion-receiving relation with said power-drive member, means to automatically divorce the actuators from the power-drive member and cause their return after they have received a typing impulse, said last means providing for the return of said actuators free of said power-drive member, a toothed slide operable so that its teeth lock the actuators against movement into motion-receiving relation with said power-drive member, and means including a margin stop, to operate said slide in response to a line-end letter-feeding movement of the carriage, said line-end letter-feeding movement occurring during the return of any actuator causing such movement, and said actuators, while returning, allowing operation of said slide.

2,362,230
INTERLOCKING MEANS FOR KNOCKDOWN ADVERTISING DISPLAYS
Henry Ziemmerman, Chicago, Ill., assignor to Chicago Cardboard Company, Chicago, Ill., a corporation of Illinois
Application June 24, 1940, Serial No. 341,984
4 Claims. (Cl. 189—36)



1. In combination, two sheet material parts, each part having a first slit therein and a second slit extending from an edge of the part to the first slit, said parts being disposed in flatly overlapping relation so that the slit edges of the first slit of one part abut the slit edges of the second slit of the other part, and the slit edges of the second slit of said one part abut the slit edges of the first slit of said other part.

2,362,231
FILTER
Orville B. Ackerly, Jr., Piedmont, Calif., assignor to Oliver United Filters Incorporated, Oakland, Calif., a corporation of Nevada
Application July 27, 1942, Serial No. 452,386
7 Claims. (Cl. 210—200)



1. A filter comprising: a hollow rotatable shaft; a filter element mounted on and communicating with the interior of said shaft; a casing enclosing said filter element and journaled on said shaft for relative rotation therewith; means for delivering slurry to said casing; a filtrate outlet communicating with said shaft; means for rotating said shaft; and means for rotating said casing about said shaft.

7. A filter element comprising: a sector-shaped frame provided with a filtrate connection; a filter medium covering the opposed faces of said frame and defining therewith a filtrate compartment; a band disposed over the perimeter of said frame and provided with spaced clips; and a plurality of spaced wire loops surrounding said frame and filter medium and secured thereto by said clips.

2,362,232
COMPENSATOR
Rudolph J. Anschicks, Chicago, Ill., assignor to Protectoseal Company of America, Inc., Chicago, Ill., a corporation of Illinois
Application April 15, 1943, Serial No. 483,115
8 Claims. (Cl. 277—71)



1. In a double action check valve of the kind described, a housing provided with openings for the passage of fluid through the same, a transverse stationary partition having an opening therethrough, disposed between said housing openings dividing the housing into two associated communicating chambers, a helical spring closed at its ends and arranged in said partition with one end in one chamber and the other end in the other chamber, the coils of the spring normally spaced apart to permit unrestricted passage of fluid through the housing and the coils in each chamber seating upon each other when the closed spring end in that chamber is subjected to a sudden surge of fluid toward the partition, whereby to close the passages between the coils in that chamber.

2,362,233
LUBRICANTS
John H. Bannon, Union, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 29, 1942, Serial No. 470,451
11 Claims. (Cl. 252—35)

1. A composition comprising essentially a mineral white oil having a viscosity of about 30–400 seconds Saybolt at 100° F. and about 10–60% of a lubricating metal soap, said composition having a grease consistency at temperatures at least as low as atmospheric temperature.

2,362,234
DEVICE FOR MARKING POWDER LINES
Winslow H. Barger, Seattle, Wash.
Application March 4, 1944, Serial No. 525,107
4 Claims. (Cl. 91—62.5)



1. A device for marking lines across boards comprising a hollow frame, a plate on base thereof having a longitudinal slot therein, a container divided into compartments to carry marking powders adjustably positioned over the base and having a longitudinal slot in the bottom thereof, a spring for normally pressing the container toward the plate, fulcrums on each side of the

spring, levers mounted over the fulcrums having their inner ends adjacent the spring and their outer ends connected to the container by flexible slats, a thrust washer movably mounted above the spring and having its outer edges extended over the inner ends of the levers, means for depressing the spring and the inner ends of the levers until the container is elevated and the washer released from the levers to permit the container to snap down against the plate for distributing a line of chalk through the slots.

2,362,235

APPARATUS FOR INDICATING VARIATIONS IN DENSITIES OF TRANSPARENT MEDIA

Norman F. Barnes, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application November 10, 1943, Serial No. 509,713
3 Claims. (Cl. 35—19)



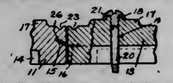
1. Apparatus adapted to be arranged in a transparent gaseous medium, for rendering visible pressure variations in said medium comprising a source of light, means for deflecting light therefrom in a beam of substantially parallel rays, means spaced from said first mentioned means for reflecting said rays back thereto, light obstructing means having an edge arranged at the focal point of the light again deflected by said first mentioned means, and means arranged beyond said obstructing means for producing an image of said first mentioned means, said light deflecting means being arranged with its axis making an acute angle with said parallel rays whereby the presence of any shadow forming apparatus in the path of said parallel rays is avoided.

2,362,236

MOLDED SHINGLE

Edward F. Bassler, Lake Stevens, Wash.

Application February 13, 1943, Serial No. 475,837
5 Claims. (Cl. 108—10)



1. A molded shingle comprising a shingle body having two straight parallel lateral edge portions; a longitudinally extending trough shaped metal gutter member embedded in one of said edge portions substantially in the medial plane of the shingle and extending outwardly and upwardly therefrom; and an inwardly and upwardly extending inclined longitudinal groove in the other edge portion of said shingle body, said groove having an opening positioned in the edge of the shingle substantially mid way between the top and bottom planes of the shingle adapted to receive the outwardly protruding inclined portion of the gutter member of the next adjacent shingle when the shingles are laid.

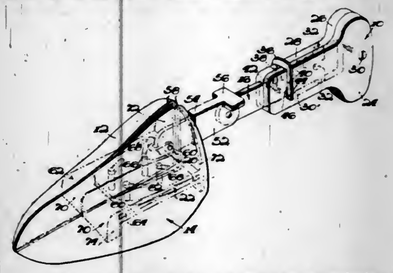
2,362,237

SHOE TREE

Joseph R. Bernstein, Chicago, Ill.

Application December 18, 1942, Serial No. 469,483
8 Claims. (Cl. 12—128.2)

A shoe tree comprising heel and toe portions and a toggle connection between the two, said toe portion including transversely aligned hollow spreader sections having, respectively, opposed aligned guide slots therein extending longitudinally from the rear thereof, one end of said toggle connection terminating in a spreader plate seated in said guide slots and slidable therealong, oppositely disposed pins extending transversely



through the guide slots at spaced points along their lengths, and longitudinally spaced cam slots in each side of the spreader plate forming oppositely disposed pairs receiving said pins, each pair of cam slots being of less angularity with respect to the longitudinal median line of the spreader plate than the adjacent rearwardly disposed pair.

2,362,238

GLUE SPREADER, SURFACE COATER, AND THE LIKE

John E. Black and Robert S. Black, Mendota, Ill.

Application August 1, 1942, Serial No. 453,208
2 Claims. (Cl. 192—130)



1. In a surface coater, the combination with a pair of main rolls located in vertical alignment with each other, and a doctor roll in horizontal alignment with each main roll, together with connections between all said rolls to ensure rotation of the main rolls in opposite directions and rotation of each main roll and its doctor roll in opposite directions, and a driving motor for all said rolls, of a control switch for said driving motor, said switch having a central "off" position, and also having "forward" and "reverse" positions at opposite sides of said "off" position, of a horizontally extending control bar along each side of the machine, means to support both said control bars for movement back and forth towards and from each other and towards and from the central portion of the machine, interconnections between said bars to ensure movement of said bars towards or from each other simultaneously, and connections between said bars and said switch effective to ensure switch "forward" closing position when the bars are moved farthest away from each other, and to ensure switch "off" positioning when the bars are moved partially towards each other, and to ensure switch "reverse" positioning when the bars are moved closest to each other, together with spring means to resist movement of said bars and switch device from the switch "off" towards the switch "reverse" position, substantially as described.

2,362,239

LADY'S GARMENT

Murray Bloom, Bronx, N. Y.

Application March 10, 1944, Serial No. 525,905
4 Claims. (Cl. 2—73)



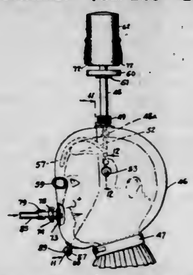
1. A ladies garment including attached waist and skirt portions formed from a plurality of blanks of material including an elongated blank forming the front skirt portion and provided with upwardly disposed lateral extensions at its upper end which extend into the waist encircling portion, a pair of blanks, each secured along one vertical edge thereof to an opposed vertical edge of the front skirt portion, each of such blanks being secured together along their opposite edges to form a single rear vertical seam, the upper edges of each of such blanks being concavely and upwardly curved and terminating at the upper end of said rear vertical seam, a brassière section, and a blank forming a midriff section connecting the lower edge of the brassière section with the upper edge of the front skirt section, the grain line of the material in the front skirt section, the midriff section, and the material lying on opposite sides of the rear vertical seam, lying on a bias relative to the front median line of the garment, the curved edges of the pair of blanks in the skirt section being joined to the lower edges of the lateral extensions and of the brassière sections, such combined lower edges being substantially straight.

2,362,240

BREATHING DEVICE

Saturnino Tofé Bonilla, New York, N. Y.

Application December 21, 1942, Serial No. 469,594
2 Claims. (Cl. 128—14)



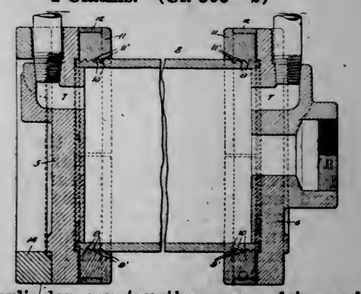
1. A swimming helmet which has an air-outlet port, an air-inlet pipe which extends through the wall of said helmet, said air-outlet port having one-way valve means which permit the flow of air only outwardly through said air-outlet port, said valve means being biased to closing position, said air-inlet pipe having an auxiliary pipe which is located in said helmet, said auxiliary pipe extending downwardly from its connection with said air-inlet pipe, the lower end of said auxiliary pipe extending through a respective bore of said wall, said auxiliary pipe being provided at said lower end thereof with float valve-means which are biased by their buoyancy normally to close said lower end of said auxiliary pipe, a branch pipe located in said helmet, one end of said branch pipe being connected to said auxiliary pipe intermediate the ends of said auxiliary pipe, said branch pipe extending upwardly from its connection with said auxiliary pipe, so that if water enters said auxiliary pipe, said water will flow to said float valve means and open said float valve means to escape from said auxiliary pipe, without flowing through said branch pipe.

2,362,241

CYLINDER CONSTRUCTION

Allan M. Campbell, Detroit, Mich.

Application January 24, 1944, Serial No. 519,507
4 Claims. (Cl. 309—2)



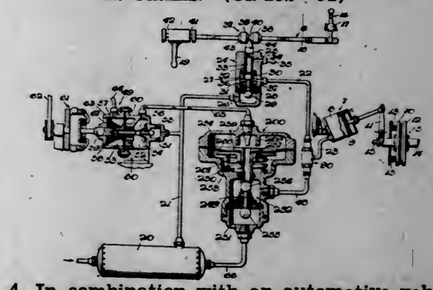
1. A cylinder construction, comprising a body portion having a plurality of annular grooves formed in the outer surface thereof adjacent to its ends, sectional ring members having ribs, fitted within the grooves, and having a plurality of screw-threaded bolt openings, rings in which said sectional ring members are held, cylinder heads having annular grooves in which the ends of the body portion are positioned, and a plurality of bolts extending through said heads, the inner thread ends of said bolts being disposed in the bolt openings of the sectional ring members, and adapted to draw the heads into close engagement with the ends of the body portion.

2,362,242

CLUTCH CONTROL MECHANISM

Roger H. Casler, Elyria, Ohio, assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio, a corporation of Delaware

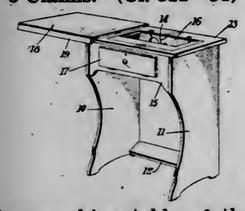
Application December 28, 1942, Serial No. 470,409
12 Claims. (Cl. 192—91)



4. In combination with an automotive vehicle engine and a clutch, of a power device connected to the clutch, and control means including a relay valve and centrifugal valve for rendering the power device operative to disengage and permit

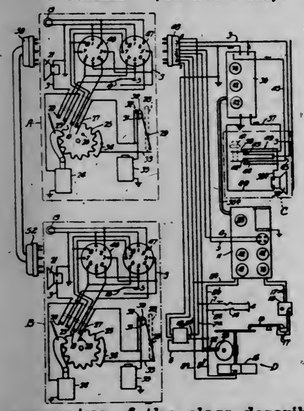
engagement of the clutch, said control means including a portion automatically operative for checking the movement of the clutch as the latter reaches substantially the point of initial engagement and for thereafter controlling the movement of the clutch into and out of operative engagement in accordance with the speed of the engine.

2,362,243
SEWING MACHINE TABLE
Daniel H. Chason, Elizabeth, and George H. Egbert, Union, N. J., assignors to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application January 19, 1943, Serial No. 472,844
3 Claims. (Cl. 311—54)



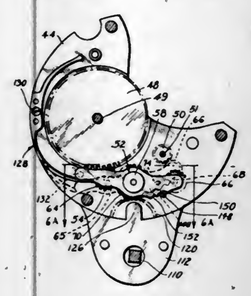
1. A sewing machine table of the drop-head type having legs and a rectangularly shaped top carried thereby, an extension leaf having side walls and an end-wall extending downwardly over the edges of said table-top, guide members secured to and located on the under side of and at the corners of said extension leaf, said guide members extending beneath the lower marginal edge of said top and adapted to slidably secure said extension leaf to said top, a leaf-supporting arm pivotally carried by said table, a spring for moving said arm to its leaf-supporting position when the extension leaf is moved to its open position and means carried by said arm and engageable by the end wall of said extension leaf for moving said arm to its non-supporting position, in opposition to said spring, when the extension leaf is moved to its closed position.

2,362,244
AUTOMATIC PHONOGRAPH CONTROL
Francis J. Chojnowski, Chicago, Ill., assignor to The John Gabel Manufacturing Company, a corporation of Illinois
Application September 2, 1941, Serial No. 409,215
5 Claims. (Cl. 179—6.3)



1. In apparatus of the class described a wall unit comprising a loud speaker, an electric switch, coin-actuated mechanism for mechanically actuating said switch, a coin actuated switch in series with said first mentioned switch, and electrical means controlled by said switches for also actuating said coin-actuated mechanism.

2,362,245
WINDING AND SETTING MECHANISM FOR WATCHES
Louis Cohen, New York, N. Y., assignor to Longines-Wittnauer Watch Co. Inc., New York, N. Y., a corporation of New York
Application May 20, 1942, Serial No. 443,800
11 Claims. (Cl. 58—71)

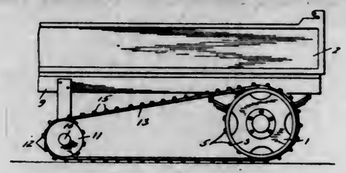


1. In a watch having a movement and a dial, said movement comprising parallel winding and setting spindles and actuating gears carried by said spindles, respectively, a stem-winder-and-setter mechanism including a stem projecting forwardly of the dial in a direction transversely thereof for access at the front of the watch for winding and setting purposes, said mechanism comprising, in addition to said stem, a member mounted for pivotal movement on said frame on a pivot parallel to said spindles, gearing carried by said member including a first gear normally in engagement with one of said actuating gears and operable in one position of said member to wind the watch, a second gear normally out of engagement with the other of said actuating gears and operable in another position of said member to engage said other actuating gear to set the watch, and an intermediate gear meshing with both of said gears of said pivoted member for rotating the same, means mounting said stem for rotation and for axial movement parallel to said spindles, a gear surrounding said stem and rotatable thereby, a gear connecting said last mentioned gear to said intermediate gear, and means operable by said stem in the axial movement thereof for positively moving said member to a position in which said first gear is moved out of said one position to a position in which it is inoperative to wind the watch and said second gear is moved from an inoperative position to said position thereof for setting the watch.

2,362,246
VEHICLE TRACTION ATTACHMENT
Robert W. Collier, Jal, N. Mex.
Application December 1, 1942, Serial No. 467,519
1 Claim. (Cl. 305—3)

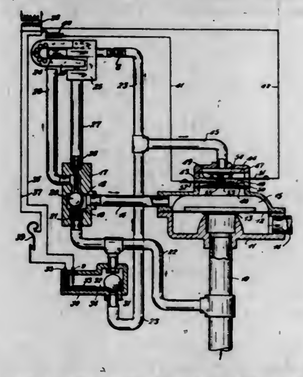
A traction attachment for vehicles including drive wheels having rims thereon, comprising rings removably mounted on the rims, said rings including complemental half sections having circumferentially spaced lugs thereon, abutting lugs on the ends of said sections, having aligned

threaded openings, one of said last-named lugs having a recess therein, and a bolt threaded in



the openings of each pair of abutting lugs with the head of the bolt received in said recess.

2,362,247
BURNER CONTROL
Julius Converse, East Cleveland, Ohio, assignor to The Bryant Heater Company, Cleveland, Ohio, a corporation of Ohio
Application April 25, 1942, Serial No. 440,519
4 Claims. (Cl. 158—117.1)



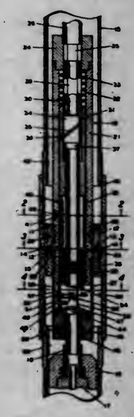
1. In gas apparatus, a main diaphragm valve, a pressure chamber therefor responsive to line pressure for closing said valve, a pilot, a gas supply therefor, a second pressure chamber in communication with said pilot, an electric igniter for the pilot, an electric circuit for said igniter, and switch means in said circuit coincidentally responsive to pressure in both of said chambers for closing said circuit.

2,362,248
MANUFACTURE OF COLLARS FOR PERSONAL WEAR
Harry Corteen, Manchester, England, assignor to Tootal Broadhurst Lee Company Limited, Manchester, England, a British company
Application November 26, 1938, Serial No. 242,547
In Great Britain November 29, 1937
14 Claims. (Cl. 2—143)



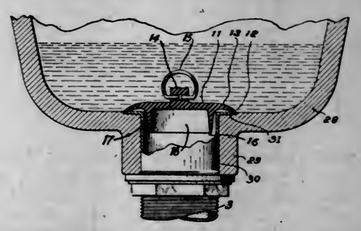
1. A method of manufacturing collars consisting in cutting a collar blank from a flat web of material in which the warp threads are straight and are parallel to one another, and subsequently imparting a permanent longitudinal contraction solely over a narrow area situated along the total length of one longitudinal edge alone of the blank which will form the lower edge of the neckband.

2,362,249
WELL EQUIPMENT
Wilbur J. Crites, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application December 26, 1941, Serial No. 424,539
18 Claims. (Cl. 103—244)



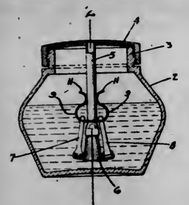
1. In a well pumping apparatus, the combination comprising a fluid displacement pump, a conduit for transmitting pressure fluid to said pump, a rotatable member controlling the admission of said pressure fluid to said pump, means responsive to said pressure fluid for imparting rotation to said member and escapement timing means for controlling the periodic admission of pressure fluid to the first mentioned means.

2,362,250
COMBINED SINK AND BASIN STOPPER
Max Durst, Philadelphia, Pa.
Application January 6, 1943, Serial No. 471,471
1 Claim. (Cl. 4—293)



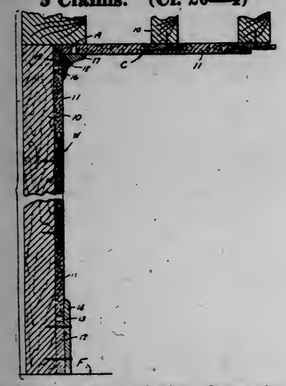
A device of the character described consisting of a body of material of a hardness and elasticity corresponding to that of rubber hair combs and comprising a cup-like annular upper part, and a coaxial integral depending centering part adapted to fit loosely in a drain opening, said cup-like part terminating peripherally in a thin lip the edge of which is in a plane substantially at right angles to the axis of the cup and centering part, said centering part extending below the lip a distance for the purposes described, and having nearly vertical sides, said cup-like part and lip being proportioned to support the device with the centering part clear of the sides of the drain opening, and without material deformation under pressures of liquid normal in the uses described.

2,362,251
JEWELRY CLEANER
Cecil E. Eggleton, Minneapolis, Minn.
Application March 9, 1942, Serial No. 433,898
1 Claim. (Cl. 15—105)



In a device of the class described, a container having a cleaning fluid therein, a closure for the container, a stem secured to and depending from said closure into the cleaning fluid, a flexible cleaning element carried on the lower portion of said stem, opposed means on said stem for receiving and supporting rings or other articles in the cleaning fluid, said opposed means being so positioned with respect to said flexible cleaning element as to permit said last mentioned element to act as a buffer to keep the supported rings or other articles from contacting each other.

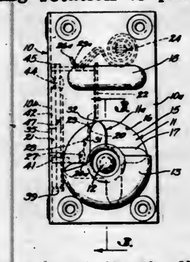
2,362,252
WALL STRUCTURE
George G. Ellinwood, Philadelphia, Pa.
Application August 24, 1942, Serial No. 455,866
5 Claims. (Cl. 20—4)



1. A wall structure of the character described comprising a pair of adjacent wallboard panels having meeting edges, each of said panels being formed with a groove opening into its meeting edge, the groove in each panel providing an outer lip and an inner lip, said outer lips being in abutting relation, a joining strip permanently secured to the under surface of said outer lips, said inner lips being spaced, a T-shaped connecting member movably positioned in said groove and having a base in spaced relation to said inner lips, and means for anchoring said connecting member to a structural element.

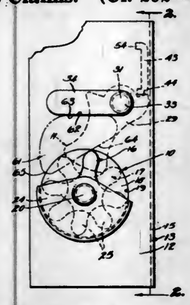
2,362,253
LOCK MECHANISM
Waldemar A. Endter, Long Beach, Calif.
Application August 6, 1943, Serial No. 497,594
19 Claims. (Cl. 292—214)

1. A latch mechanism comprising a rotatable bolt, cam means for rotating the bolt in a latching direction, and releasable dogging means biased into engagement with the bolt during its normal latching rotation to positively hold the



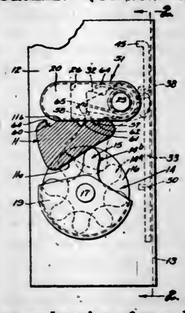
bolt against reverse rotation in different positions within the range of its rotation by said cam means.

2,362,254
REVERSIBLE ROTARY BOLT LOCK
Waldemar A. Endter, Long Beach, Calif.
Application November 27, 1943, Serial No. 511,939
8 Claims. (Cl. 292—244)



1. In a latch mechanism, a rotary bolt adapted to engage a keeper, cam means for actuating the bolt, said bolt comprising a plurality of radially extending, equi-angularly spaced heads having cam-engaging and keeper-engaging side surfaces, each head having at opposite sides of a radial line of the bolt, symmetrical surfaces the outer and intermediate portions of which curve respectively away from and toward said radial line so that the bolt is usable in the mechanism to the same effect in axially reversed positions.

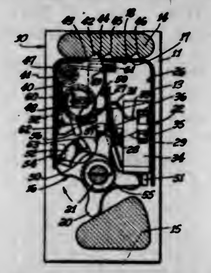
2,362,255
DOOR LATCH
Waldemar A. Endter, Long Beach, Calif.
Application November 27, 1943, Serial No. 511,940
19 Claims. (Cl. 292—214)



1. In a latch mechanism for releasably holding together two relatively movable members, a bolt

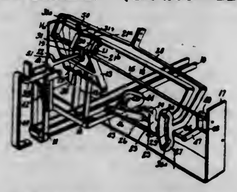
adapted to be carried by one of said members and movable forwardly within a predetermined range of travel as said members are brought together to latched positon, means releasably holding the bolt against reverse movement, keeper means adapted to be carried by the other of said members, and auxiliary holding means engageable with said keeper means and operable independently of the bolt and said holding means to hold the bolt against said reverse movement at different positions within its said predetermined range of travel.

2,362,256
LATCHING MECHANISM
Waldemar A. Endter, Long Beach, Calif.
Application March 17, 1944, Serial No. 526,914
24 Claims. (Cl. 292—214)



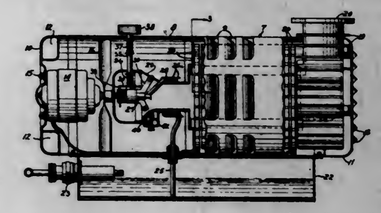
1. In a latch mechanism, a bolt movable in a plane to a position of latched engagement with a keeper, means urging said bolt in a latching direction, and a member pivotally movable relative to said urging means in a plane substantially parallel to said plane of movement of the bolt and operable to release said means from said urging relation to the bolt.

2,362,257
CIRCUIT BREAKER
John A. Favre, Drexel Hill, Pa., assignor to General Electric Company, a corporation of New York
Application November 4, 1942, Serial No. 464,466
14 Claims. (Cl. 200—116)



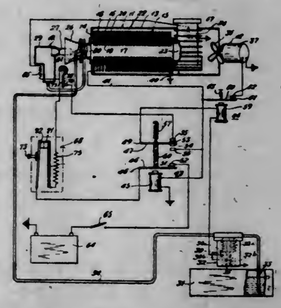
1. A circuit breaker comprising a movable operating member provided with a pair of stop means spaced apart to define open circuit and closed circuit positions, a stop member cooperating with said stop means thereby to hold said operating member in one or the other of said positions, a manually movable member for moving said operating member from one position to the other and for locking said operating member to said stop member in each of said positions, spring means for maintaining said manually movable member in a predetermined angular relation with said operating member, switching means operated by said operating member, and current responsive means for releasing said switching means from said operating member for independent opening of said switching means.

2,362,258
HEATING APPARATUS
Howard J. Findley, Shaker Heights, Ohio, assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application June 5, 1942, Serial No. 445,994
20 Claims. (Cl. 126—110)



1. A self-contained air heating apparatus comprising in combination, a heater casing and means attached to said casing and adapted to contain a supply of pressure fed fuel, means in said casing communicated with the fuel for blending a combustible mixture of fuel and air, a thermoelectric generator formed with an elongated hollow combustion chamber therein, said combustion chamber being located to receive said combustible mixture and having inner and outer junctions of dissimilar metals with the inner junctions disposed in said combustion chamber in the path of the combustible fuel, an exhaust tube connected to said combustion chamber for discharge of exhaust gases of combustion, air impelling means driven by thermoelectric power generated by combustion of fuel in the combustion chamber of said thermoelectric generator and operable to move air past the outer junctions of said thermoelectric generator, and means for directly discharging the propelled air from said casing while such air is at the maximum temperature to which it is heated by the apparatus.

2,362,259
HEATING APPARATUS AND STARTING MEANS THEREFOR
Howard J. Findley, Shaker Heights, Ohio, assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application March 27, 1943, Serial No. 480,814
16 Claims. (Cl. 171—125)



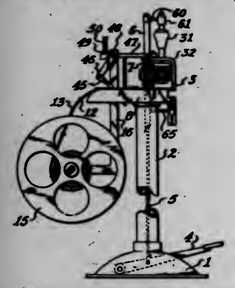
1. In combination with heating apparatus embodying a fuel burning means and a thermoelectric generator adapted to be heated by said fuel burning means, an electrically operable fuel supply means for supplying fuel to said thermoelectric generator, an external source of electric current, and a switch-controlled circuit connecting the apparatus with said source for supplying starting current to said fuel supply means.

2,362,260
COUNTERSINKING DRILL
Harry I. Foster, Maple Heights, Ohio
Application December 8, 1943, Serial No. 513,386
6 Claims. (Cl. 77—66)



6. The combination in a single tool of a cutting fluted drill, a non-cutting fluted bearing above the drill adapted to seat snugly in the hole drilled and a cutting countersinker above the bearing all on the same axis.

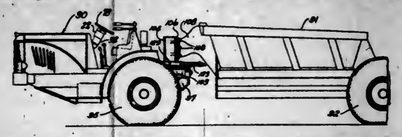
2,362,261
MARKING MACHINE
Louis E. Francis, Akron, and Nathan I. Fleischer, Cincinnati, Ohio
Application July 14, 1941, Serial No. 402,382
6 Claims. (Cl. 93—88)



1. In a marking machine, for use with a continuous roll of marking tape having staples therein, means abutting said staples for feeding said tape, means for cutting said tape, means for marking said tape, and means for clinching said staples to an article, said cutting means, marking means and clinching means acting simultaneously on the portion of the tape being attached to an article and all of said means actuated by a single actuating movement.

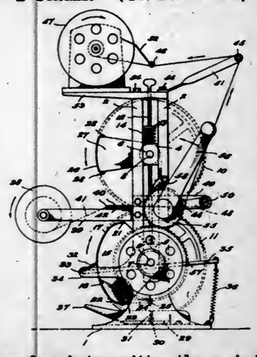
2,362,262
STEERING MECHANISM FOR TWO-WHEELED TRACTORS OR THE LIKE
Henry C. French, Elm Groove, Wis., assignor to The Heil Co., Milwaukee, Wis., a corporation of Wisconsin
Application January 29, 1943, Serial No. 473,929
12 Claims. (Cl. 180—79.2)

1. In combination, a two-wheeled pulling vehicle, a trailer vehicle, an intermediate element including a first fifth wheel pivot member on the pulling vehicle, a cooperating fifth wheel pivot member rotatable with respect to said first fifth wheel pivot member and connected to the trailer vehicle, a sprocket wheel on the cooperating fifth wheel pivot member, a sprocket chain in engage-



ment with said sprocket wheel, and means connected to the intermediate element and to said chain for causing rotation of the sprocket wheel and cooperating fifth wheel pivot member.

2,362,263
PROCESS OF INTAGLIO PRINTING
Oscar Greenstein, New York, N. Y.
Original application June 7, 1938, Serial No. 212,225. Divided and this application April 18, 1941, Serial No. 389,228
1 Claim. (Cl. 101—170)



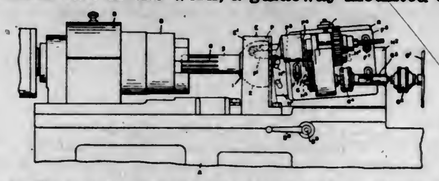
A process for intermittently printing on absorbent textile material in a continuous manner with color fast to laundering and dry cleaning which comprises providing a normally flat flexible intaglio plate of plastic material bearing engraved mirror-script matter to be reproduced, flexing said normally flat plate longitudinally to provide areas of dissimilar curvature including an arcuate section substantially in the center of said plate having a unit radius of curvature and bearing said engraved matter and end portions having radii of curvature substantially less than said unit radius, maintaining the aforesaid areas of dissimilar curvature, applying color fast to laundering and dry cleaning to said plate, removing excess color to leave a controlled amount of color solely in the engraved portions of said plate, engaging a strip of absorbent textile material in rolling contact solely with the center portion of said plate to transfer said color thereto and to move said textile material a predetermined distance whereby smudging of the reproduced matter is avoided and absorbent textile material strip is provided with isolated groups of printed texts in a continuous manner.

2,362,264
GROOVE DRILLING MACHINE
William G. Greve, Detroit, Mich., assignor to The Gear Grinding Machine Company, Hamtramck, Mich., a corporation of Michigan
Application April 23, 1941, Serial No. 390,002
12 Claims. (Cl. 90—15.1)

1. In a grooving machine, the combination with a drill, of means for holding the work in

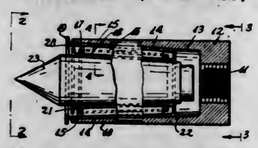
the path of a segment only of said drill, and means for resisting deflection of said drill under lateral thrust of the work.

12. In a grooving machine, the combination with a supporting bed, of a rotary work holder revoluble about the axis of the work therein mounted on said bed, an indexing mechanism for said rotary work holder, a head mounted on said bed having a face extending in a plane parallel to said axis of the work, a guideway mounted on



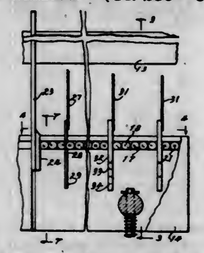
said face and angularly adjustable thereon in the plane thereof with respect to said axis, a carriage travelingly mounted on said guideway, a drill mounted on said carriage to extend in the plane of said axis and adjustable towards or from said axis, means for reciprocating said carriage, a motor for rotating said drill, and a change-speed gearing between said motor and drill for adjusting the angular velocity of the latter.

2,362,265
ROTARY CENTER ARRANGEMENT FOR TURNING MACHINES
Abraham Gnessin, Elizabeth, N. J.
Application October 7, 1943, Serial No. 505,272
9 Claims. (Cl. 82—33)



1. In combination with a spindle of a lathe or other machine tool, a center-holding means, comprising a cup-like frusto-conical tubular housing engaging in a frusto-conical tapered opening in the end of said spindle, a frusto-conical tubular center holding casing disposed within said housing, a cage and rollers between said housing and casing, and a center mounted in said casing and projecting from the end of said spindle.

2,362,266
VOTING MACHINE
Alvin N. Gustavson, Jamestown, N. Y., assignor to Automatic Voting Machine Corporation, Jamestown, N. Y., a corporation of Delaware
Application July 23, 1940, Serial No. 346,916
6 Claims. (Cl. 235—54)



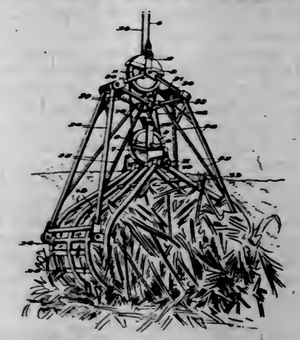
1. In a voting machine having straps and a strap resetting bar, a mechanism operably connected with and adapted to control operation of certain of said controlled straps, means in said mechanism operable by at least one uncontrolled strap to release one or more of said controlled straps for operation, and further means in said mechanism connected with and operable by said bar, said further means serving to withdraw control of said mechanism over said controlled straps during a strap resetting operation.

2,362,267
FEEDING MECHANISM FOR SEWING MACHINES
Hans Hacklander, Linden, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application December 6, 1940, Serial No. 368,793
16 Claims. (Cl. 112—18)



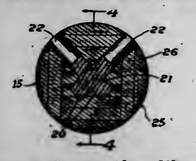
1. A sewing machine having, in combination, stitch-forming devices including a reciprocatory thread-carrying needle, feed-cups having cooperating work-engaging faces for supporting and feeding material past said stitch-forming devices, and means for assisting the feed-cups in advancing the material through the machine at a uniform rate, said means including a member disposed substantially in the line of feed at the point of cooperation of said feed-cups and having its front end curved in one direction and its rear end reversely curved and positioned to press the material into contact with the work-engaging face of one of said feed-cups.

2,362,268
GRAB DEVICE
Donald T. Hall, Hilo, Territory of Hawaii
Application June 19, 1944, Serial No. 541,045
9 Claims. (Cl. 294—107)



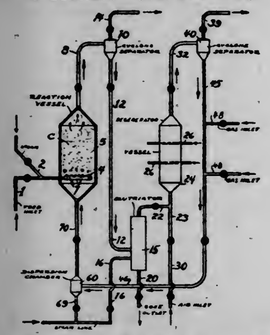
1. A grab device having upper and lower pulleys, supports for said pulleys, two sets of grab prongs pivotally associated with the support of the lower pulley, means operatively connecting said pulleys for moving them toward each other, and a toggle device pivotally connected to the support of the upper pulley and having means pivotally connected to said sets of prongs for causing the prongs to close as the pulleys are moved toward each other.

2,362,269
BOWLING BALL OR THE LIKE
Horace W. Hall, Newton, Mass.
Application May 6, 1942, Serial No. 441,884
4 Claims. (Cl. 273—63)



1. A bowling ball or the like comprising a continuous laminated wooden structure forming the interior and exterior thereof, the wood in the outer surface portion of said ball embodying resin and being in compressed condition and harder than the adjoining interior portion thereof.

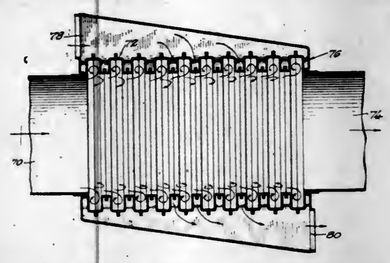
2,362,270
VISCOSITY REDUCING
Charles E. Hemminger, Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Original application November 1, 1940, Serial No. 363,866. Divided and this application May 20, 1942, Serial No. 443,709
6 Claims. (Cl. 196—55)



1. The method of reducing the viscosity of a petroleum residuum oil which comprises heating the said oil to a temperature of from about 850° F.–950° F., spraying said oil into a viscosity reducing zone containing powdered coke in suspension, permitting the suspension of coke and oil vapors to flow concurrently upward in the reaction zone, withdrawing the suspended coke and oil vapors from said reaction zone separating the powdered coke from the gases and vapors which are formed in and added to the said zone, suspending the powdered coke in an inert gas, conducting the suspension to a regeneration zone where adsorbed hydrocarbons contained in the coke are burned, separating the regeneration gases from the powdered coke and returning the powdered coke in heated condition to the first-named zone for further use in the process.

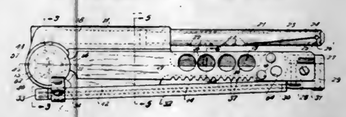
2,362,271
HEATING APPARATUS
Seymour E. Heymann, Chicago, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application November 16, 1942, Serial No. 465,673
5 Claims. (Cl. 257—241)

1. Heating apparatus, comprising a tubular heat exchanger, means connected to one end of said heat exchanger for supplying hot gases to the interior of said heat exchanger, and a casing surrounding said heat exchanger and providing a passage for ventilating air therebetween, said casing having a tapered inlet terminating in an opening at one end of the casing and an oppositely tapered outlet terminating in an outlet



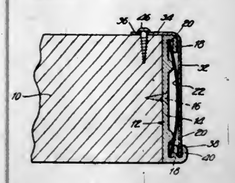
opening at the other end of said casing, said heat exchanger comprising a plurality of annularly arranged hollow fins having tips and bases and annularly arranged radially extending flanges intermediate said hollow fins and integral with the bases thereof.

2,362,272
LIGHTER
Frank R. Higley and Vilynn O. Beam, Cleveland Heights, Ohio, assignors to The Bryant Heater Company, Cleveland, Ohio, a corporation of Ohio
Application November 6, 1940, Serial No. 364,532
8 Claims. (Cl. 158—115)



1. In apparatus for control of a gas burner by pilot means therefor, a bar having a gas passage integrally formed therein along one side thereof and having a valve body at one end, an elongated thermal member attached to the bar at the end opposite said valve body, said thermal member carrying a valve piece cooperating with said valve body for controlling a second gas passage, and a pilot tube mounted in the bar in communication with said first named gas passage only and adapted to play a flame on the thermal member.

2,362,273
PRICE TICKET PROTECTOR
Leo Hopp, New York, N. Y., assignor to Herman Hopp, New York, N. Y.
Application January 28, 1942, Serial No 428,516
2 Claims. (Cl. 40—16)

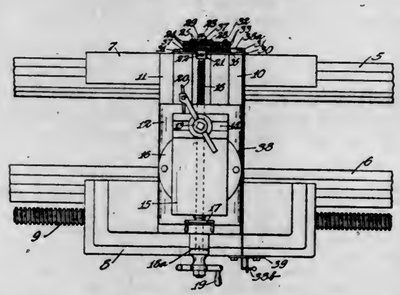


1. In a device of the character described in combination, a price ticket molding comprising a body portion adapted to be fixedly secured to the edge of a shelf, price ticket retaining flanges extending along opposite edges of the body portion, a second retaining flange extending along one edge of the body portion in spaced relation with one of said price ticket retaining flanges to form therewith a protector receiving groove, and a price ticket protector comprising a rigid transparent member extending across the face of the molding and having a free edge positioned in said protector receiving groove, a flat shelf engaging flange extending substantially at right angle from the other edge of the protector and projecting across the adjacent edge of the molding to overlie the shelf, and means for removably securing the flange to the shelf.

2,362,274
AQUEOUS PHENOLIC RESIN SOLUTIONS
Dee Alton Hurst, Haddonfield, N. J., assignor, by mesne assignments, to Allied Chemical & Dye Corporation, a corporation of New York
No Drawing. Application August 1, 1940, Serial No. 349,236
9 Claims. (Cl. 260—30)

1. A process for preparing aqueous phenolic resin solutions which comprises reacting formaldehyde with a tar acid containing at least 13% cresols, and mixing the resultant reaction product with water and formaldehyde to form a solution containing no more than about 30% of the resin reaction product and an amount of formaldehyde at least sufficient to make the mixture homogeneous.

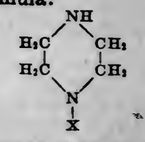
2,362,275
POSITIVE CROSS-FEED STOP ASSEMBLY ATTACHMENT FOR TURNING LATHES
Joseph H Jacobs, Minneapolis, Minn.
Application May 13, 1942, Serial No. 442,740
1 Claim. (Cl. 82—24)



In a lathe, a longitudinal bed, a longitudinally slidable block on said bed, a transversely slidable block supported by said longitudinal block for sliding movement transversely of said bed, a tool holder on said transversely slidable block, a feed screw extending transversely of said longitudinal bed and having threaded engagement with said transversely slidable block, a plurality of abutment members secured to and extending laterally from said transverse feed screw, stop means movable into and out of the path of movement of said abutment members, said abutment members being located at one end of said feed screw, feed screw actuating means at the other end of said screw, and means extending from adjacent said feed screw actuating means transversely of said longitudinal bed to said stop means for selectively shifting said stop means into the path of movement of said abutment members.

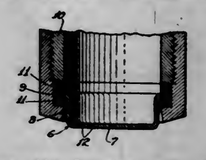
2,362,276
BENEFICIATION OF ACIDIC MINERALS
David W. Jayne, Jr., Old Greenwich, and Harold M. Day, Cos Cob, Conn., and Stephen E. Erickson, Calumet, Minn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application March 31, 1942, Serial No. 437,039
12 Claims. (Cl. 209—166)

1. In ore concentrating processes utilizing differential surface wettability principles of separating acidic ore materials from other ore constituents, the process which comprises carrying out the concentration operation in the presence of a sufficient amount of a substance selected from the group consisting of those represented by the following formula:



where X is a member of the group consisting of higher alkyl radicals, an alkylol ester radical, higher molecular weight carboxylic acyl radicals and salts of such compounds to be effective in promoting a substantially complete separation of the acidic materials from the remainder of the ore.

2,362,277
SPINNERETTE
Harry John Jones, Millburn, N. J., assignor to Baker & Co. Inc., Newark, N. J., a corporation of New Jersey
Application July 7, 1942, Serial No. 450,067
3 Claims. (Cl. 18—8)

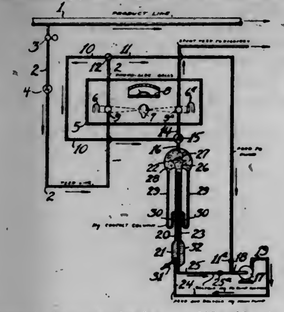


1. A spinnerette for the spinning of artificial filaments and the like from synthetic polymerization products of fiber forming ability, constructed of stainless steel substantially free from nickel and consisting essentially of iron and chromium wherein the chromium content does not fall below 14% and does not exceed 20%.

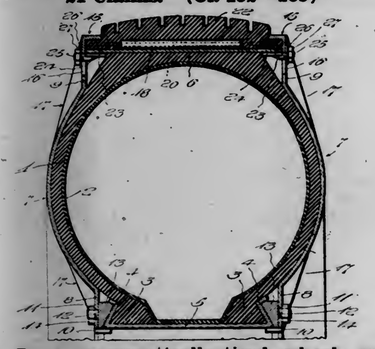
2,362,278
METHOD AND APPARATUS FOR DETERMINING SULPHUR CONTENT OF A FLUID STREAM
Minor C. K. Jones, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application August 2, 1940, Serial No. 349,392
5 Claims. (Cl. 23—230)

1. A method of continuously determining the reactive sulphur content of a stream of sulphur-treated fluid, comprising continuously passing a portion of said stream into intimate contact with a stream of metallic mercury drawn from a confined body thereof whereby a reaction product of black mercury sulphide is formed, discharging the mixture of fluid and mercury into said confined body of mercury, separating the mercury from the contacted fluid and the mercury sulphide contained therein, removing the contacted

fluid and mercury sulphide from the confined body of mercury, and photo-electrically comparing its light transmission with that of the unreacted fluid.



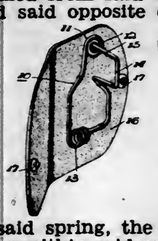
2,362,279
ATTACHMENT FOR PNEUMATICALLY TIRED WHEELS
Julius Kindervater, Richmond, Va.
Application April 21, 1942, Serial No. 439,868
21 Claims. (Cl. 152—185)



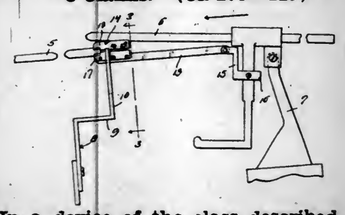
21. In a pneumatically-tired wheel, and in combination with a wheel rim having bead receiving flanges, and a pneumatic tire having beads engaging said flanges, a frame or casing comprising guard plates arranged on opposite sides of the tire and inclosing the tire, with the exception of its tread surface, said plates having inner peripheral portions disposed opposite the flanges of the rim and outer peripheral portions disposed opposite the lateral margins of the tread surface of the tire, means disposed between and fastening the inner peripheral portions of the plates to the flanges of the rim, a supplemental tread resting on the tread surface of the tire and having a tread surface and portions lying laterally beyond and radially inward of its tread surface, and connecting means between the supplemental tread and plates comprising parts embracing said portions of the supplemental tread lying laterally beyond and radially inward of its tread surface and movably holding the supplemental tread in engagement with the outer peripheral portions of the plates.

2,362,280
SNAP KEY RING
George J. Kollock, Fulton County, Ga.
Application December 2, 1942, Serial No. 467,653
1 Claim. (Cl. 70—456)

A snap key ring comprising a continuous wire element having a spiral formed at one end thereof, an aperture in said spiral slightly larger than the diameter of the opposite end of said wire, a coil spring formed from said wire intermediate said spiral and said opposite end, an arm extending from said spring, the end of said arm normally seating within said aperture and being held in position by virtue of tension exerted by said spring, whereby the key ring is closed or locked.



2,362,281
CARBON STICK ATTACHMENT FOR MOTION PICTURE PROJECTOR LAMPS
Theodore Kuehl, Clio, Mich.
Application September 30, 1943, Serial No. 504,483
3 Claims. (Cl. 176—119)



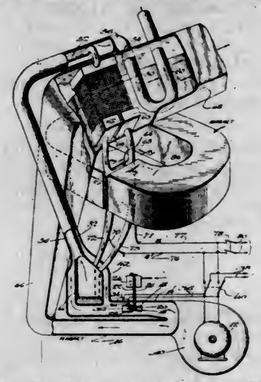
3. In a device of the class described, a main carbon holder, a movable support to which the main carbon holder is pivoted, a supplemental carbon holder pivoted to a part of the main carbon holder, and means for supporting the supplemental carbon holder in active position.

2,362,282
METHOD OF ACETYLATING STARCH
Wesley N. Lindsay, Jackson Heights, N. Y.
No Drawing. Application September 12, 1942, Serial No. 458,171
11 Claims. (Cl. 260—234)

1. The method of producing acetylated starch compounds which comprises suspending the starch in an acetic acid solution having a boiling point within the range 110–118° C. the total amount of acetic acid in said solution being substantially in excess of that theoretically required to provide the desired acetyl value in the said starch on acetylation and heating the said suspension to the boiling point of the said solution for an extended time interval adapted to give the desired acetyl value to the said starch, maintaining during said heating time interval a substantially constant boiling point in said solution within the said range 110° to 118° C.

2,362,283
HEATING AND ELECTRICAL GENERATING APPARATUS
Henry J. De N. McCollum, Chicago, Ill.
Application December 16, 1942, Serial No. 469,197
5 Claims. (Cl. 171—212)

1. In a heating and electrical generating system, the combination of a mercury boiler, a fuel burner, a blower for supplying combustion air to said burner, fuel supply means for said burner, means for igniting said fuel in said burner and supplying the heated products of combustion to said boiler, a mercury vapor condenser connected to said boiler to receive vaporized mercury therefrom, a conduit for conveying cooling air from said blower to said condenser, a magnet having closely spaced poles, means for conducting liquid mercury from said condenser to said boiler in the form of a thin sheet passing between the poles of said magnet, and a pair of electrodes in contact with the edges of the sheet of mercury for conducting the generated current therefrom.



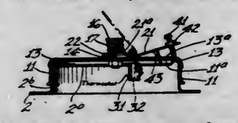
2,362,284
METAL CLEANING COMPOSITIONS
Louis McDonald, New York, N. Y.
No Drawing. Application May 31, 1940, Serial No. 338,227
3 Claims. (Cl. 252—145)

3. A metal cleaning composition for the removal of metallic oxide, tarnish, or scale, comprising by weight:

	Parts
Bentonite	10 to 30
Glucono delta-lactone	10 to 20
Wetting agent	about 2

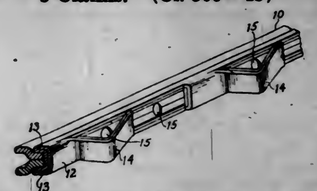
admixed with tripoli and infusorial earth, each of the latter in substantial proportions to make up a total of 100 parts.

2,362,285
AUTOMATIC DRAFT REGULATOR FOR ORCHARD HEATERS
John Frederick Mahlstedt, Los Angeles, Calif., assignor to Scheu Products Company, Ltd., Upland, Calif., a corporation of California
Application November 19, 1940, Serial No. 366,227
3 Claims. (Cl. 158—91)



2. In a heater having a combustion chamber and a vent opening, a shutter rotatably mounted on the heater to cover and uncover the vent opening, a draft regulating plate hingedly mounted on a substantially horizontal axis on the shutter and adapted normally to be held in an open position with respect to the shutter, and a cam on the shutter adapted variously to engage the heater adjacent the vent opening therein for holding the plate in various open positions dependent upon the rotated position of the shutter.

2,362,286
PISTON RING
William S. Mason, Norfolk, Va.
Application August 11, 1942, Serial No. 454,363
5 Claims. (Cl. 309—45)



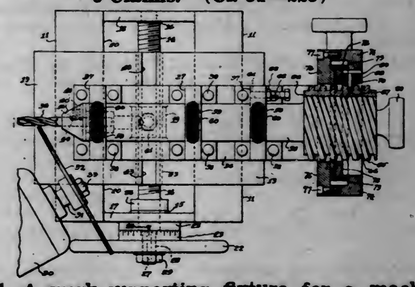
1. For use in a cylinder in combination with a reciprocating piston provided with a packing ring groove having upper and lower side walls, a packing comprising a plurality of superposed rings and an expander ring, said rings being formed and arranged to seal said side walls and to provide recesses adjacent to their inner peripheral edges and said side walls and said expander ring having outwardly and radially extending flanges disposed in said recesses and provided with radially expansible spring fingers adapted to urge said flanges and said piston rings outwardly and radially away from the bottom of the groove in said piston.

2,362,287
PISTON RING
William S. Mason, Chicago, Ill.
Application November 12, 1942, Serial No. 465,328
6 Claims. (Cl. 309—45)



1. For use in a cylinder in combination with a reciprocating piston provided with a packing ring groove, a packing ring of substantially U shaped cross section having radially extending arms, one at least of said arms being provided with bosses having axially extending sides, said bosses being arranged to form ridges in the inner axial face and grooves in the outer axial face of said arm or arms, the ridges of the bosses on one arm being seated on the inner axial face of the opposite arm and said grooves having their outermost ends disposed inwardly of the outer periphery of said ring and extending to its inner periphery.

2,362,288
FIXTURE FOR MACHINE TOOLS
William Melin, Detroit, Mich.
Application January 19, 1942, Serial No. 427,277
6 Claims. (Cl. 51—225)



1. A work-supporting fixture for a machine tool comprising a base plate, bearing means on

said base plate, a spindle supported in said bearing means for rotary and lengthwise movement, a series of spiral grooves on said spindle, a single guide projection engageable with one of said spiral grooves manual means for selectively moving one of said spiral grooves into engagement with said projection, and means for adjustably and arcuately moving said projection about said spindle.

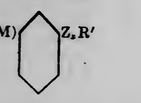
2,362,289

LUBRICATING COMPOSITIONS

Louis A. Mikeska, Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application December 16, 1938, Serial No. 246,073
24 Claims. (Cl. 252—48)

1. Improved lubricant comprising a hydrocarbon lubricating oil and a small proportion of a compound having the formula



in which the groups R, OM, and Z_xR' are all connected to the aromatic nucleus, and M represents a metal, R and R' represent organic groups or H, Z represents a member of the sulfur family, and x represents an integer, 1 to 5.

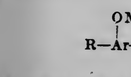
2,362,290

LUBRICANT

Pharis Miller, Elizabeth, N. J., and Eugene Lieber, Staten Island, N. Y., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application December 27, 1939, Serial No. 311,118
21 Claims. (Cl. 252—48)

1. A lubricant comprising a major proportion of mineral lubricating oil and a small amount of a compound containing at least one grouping having the general formula



where M is a light metal having an odd valency, Ar is an aromatic nucleus, R is an organic group, Z is a member of the sulfur family and x is an integer of 1 to 5.

2,362,291

LUBRICANT

Carl Winning, Union, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application December 30, 1939, Serial No. 311,835
17 Claims. (Cl. 252—48)

1. A lubricant containing a major amount of a mineral lubricating oil and a minor amount of a compound containing at least one grouping having the general formula:

wherein Ar is an aromatic nucleus, R is an aliphatic hydrocarbon group, Z is a member of the sulfur family and n is an integer of 1 to 5.

2,362,292

LUBRICANT

John G. McNab, Roselle, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application December 30, 1939, Serial No. 311,837
14 Claims. (Cl. 252—48)

1. A lubricant containing a major amount of a mineral lubricating oil and a minor amount of a compound containing at least one grouping having the general formula:

wherein Ar is an aromatic nucleus, R is an aliphatic hydrocarbon group of a sufficient number of carbon atoms to render the compound soluble in the lubricant, Z is a member of the sulfur family and n is an integer of 1 to 5.

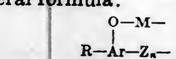
2,362,293

LUBRICANT

John G. McNab, Roselle, and Walter T. Watkins, Jr., Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application December 30, 1939, Serial No. 311,838
16 Claims. (Cl. 252—48)

1. A lubricant comprising a major proportion of mineral lubricating oil and a small amount of a compound containing at least one grouping having the general formula:



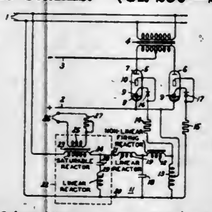
wherein M is a metal of group VIII, series 4, of the Mendeleeff Periodic Table, Ar is an aromatic nucleus, R is an aliphatic hydrocarbon substituent having a sufficient number of carbon atoms to insure solubility of the compound in mineral oils, Z is an element of the sulfur family and n is an integer of 1 to 5.

2,362,294

ELECTRIC CONTROL CIRCUIT

Albert H. Mittag, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application October 1, 1941, Serial No. 413,232
13 Claims. (Cl. 250—27)



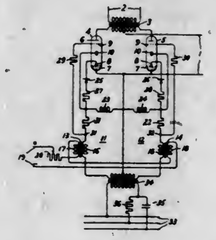
6. In combination, an electric valve means comprising a control member, an excitation circuit connected to said control member, an alternating current supply circuit, and phase shifting means connected between said excitation circuit and said supply circuit and comprising a saturable inductive device having a winding connected in series relation with said excitation circuit, the resistance of said excitation circuit and the inductive reactance of said device constituting a phase shifting network and a circuit connected between said device and said excitation circuit and comprising a capacitance the capacitive reactance of which is greater than the inductive reactance of said excitation circuit.

2,362,295

ELECTRIC VALVE CIRCUIT

Lysle W. Morton, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application August 2, 1941, Serial No. 405,217
9 Claims. (Cl. 315—205)



1. In combination, an alternating current circuit, a direct current circuit, electric translating apparatus connected between said circuits and comprising an electric discharge device of the type employing an ionizable medium capable of supporting an arc discharge and including an anode, a cathode, an immersion-ignitor control member associated with said cathode and a control electrode in the vicinity of said anode and capable of controlling the initiation of discharge between said anode and cathode, an excitation circuit for energizing said control member to render said electric discharge device conducting during a predetermined interval of each cycle of voltage of said alternating current circuit and including a saturable inductive device for producing a periodic voltage of peaked wave form having positive portions of greater magnitude and shorter duration than the negative portions, and means for impressing on said control electrode during each cycle of anode voltage said periodic voltage of peaked wave form so that a negative voltage exists thereon during the latter portion of each conducting period and the entire nonconducting period of said electric discharge device and comprising a connection between said control electrode and said excitation circuit.

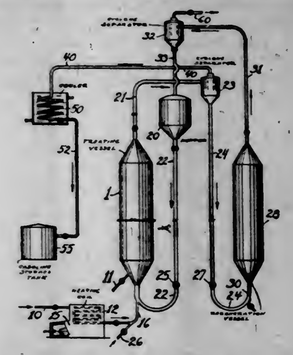
2,362,296

METHOD FOR REMOVING SULPHUR FROM SULPHUR-BEARING HYDROCARBONS

Eger V. Murphree and Charles W. Tyson, Summit, Donald L. Campbell, Short Hills, and Homer Z. Martin, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

Application June 21, 1941, Serial No. 399,048
3 Claims. (Cl. 196—28)

1. A method for removing sulphur from sulphur-bearing hydrocarbons which comprises passing a stream of said hydrocarbons in vapor form upwardly through a desulphurizing zone, imposing a positive pressure on the hydrocarbon vapors passing through said zone at least sufficient to overcome the pressure drop therethrough, maintaining a vertical column of finely divided solid desulphurizing compound of a height sufficient to develop a pressure at the base thereof greater than the pressure imposed on said hydrocarbon vapors, discharging desulphurizing compound from the base of said column into said stream of hydrocarbon vapors, controlling the velocity of the hydrocarbon vapors passing upwardly through said desulphurizing zone to maintain said compound within said zone for a period materially greater than the period said vapors are maintained therein, keeping the hydrocarbon vapors in contact with said desulphurizing compound within said desulphurizing



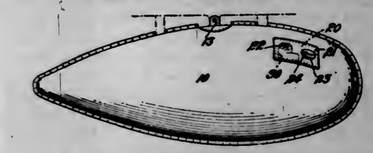
zone for a period and at a temperature sufficient to remove a substantial portion of the sulphur therefrom, and thereafter separating the treated hydrocarbon vapors from said compound.

2,362,297

JETTISON TANK VALVE

Arthur T. Newell, Huntington, N. Y., assignor to Kenyon Instrument Co., Inc., Huntington Station, N Y., a corporation of New York

Application March 4, 1943, Serial No. 478,053
1 Claim. (Cl. 244—135)



In a gasoline tank for airplanes, an outer wall having a vent opening therein, a combination vent and pressure relief valve comprising a housing mounted entirely within said tank, said housing forming a horizontal chamber opening at one end through a pair of valve ports to the interior of said tank and having a top vent opening, an annular flange around said vent opening extending upwardly from said housing and engaging the inside of said wall around said vent opening therein, means securing said flange to said wall, a pair of oppositely acting valves closing said ports, said valves being spring biased in closed position and opening in their respective directions in response to a pressure differential, to vent said tank or to relieve excess pressure therein respectively, means mounting said valves for horizontal opening and closing movement for making their operation independent of the weight of the valve parts when the plane is in normal flying position.

2,362,298

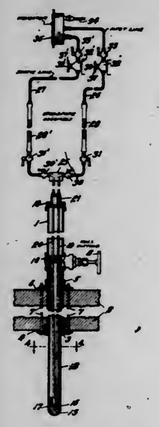
HULL FITTING

Arthur T. Newell, Huntington, N. Y., assignor to Kenyon Instrument Co., Inc, Huntington Station, N Y., a corporation of New York

Application March 4, 1943, Serial No. 478,054
1 Claim. (Cl. 73—182)

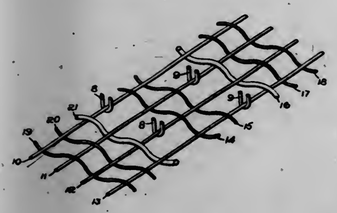
A hull fitting for a marine speedometer comprising an elongated strut having at its lower end Pitot and Static openings, a pair of tubes extend-

ing upwardly from said strut and communicating respectively with said openings, a strut housing tube to be attached to a hull and open to the outside water, a gate valve in said housing tube within said hull having an opening to pass said strut and spaced below the top of said housing tube to provide space for said strut to be entirely retracted in said housing tube above said valve, a removable top closure for said housing



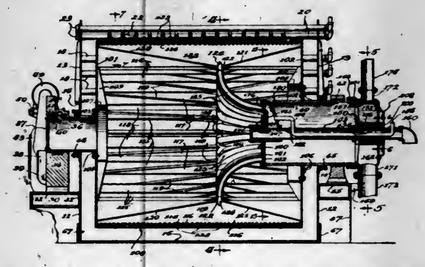
tube, said pair of tubes extending through said top closure for axial movement for retracting or extending said strut and maintaining a water tight seal to prevent leakage from said tube into said hull, and a valve block attached to the free ends of said pair of tubes and having means to receive external connections, said valve block being positioned to provide clearance above said housing tube to permit said strut to be extended or retracted.

2,362,299
WARP PILE FABRIC
William S. Nutter, Sanford, Maine
Application October 8, 1943, Serial No. 505,461
7 Claims. (Cl. 28—80)



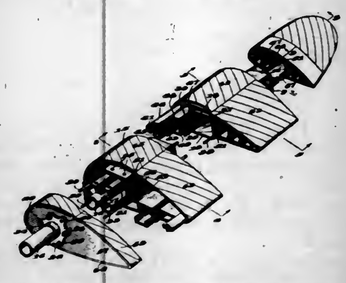
3. An upholstery pile fabric of that type in which the bases of V-pile tufts composed of or containing a substantial proportion of mohair are adhesively secured to the ground with openings between the warps and wefts of the ground permitting breathing, in which the repeat widthwise of the fabric consists of a single row of the V-pile tufts followed by four ground warps, two of relatively large size and two of relatively small size, with the two immediately adjacent the spaced rows of tufts of the small size and the other two of the large size, the relatively large ground warps acting to stabilize the fabric and support the rows of tufts.

2,362,300
FILTER
Carl Bernhard Nyman, Hull, Quebec, Canada, assignor to Swenson Evaporator Company, Harvey, Ill., a corporation of Illinois
Application May 1, 1941, Serial No. 391,363
6 Claims. (Cl. 210—199)



1. A filter of the type including a trough adapted to contain liquid, a rotatable drum subdivided into a plurality of sectors which are successively submerged in and withdrawn from liquid in the trough, each sector being constructed and arranged so that air is trapped and compressed therein when its is submerged in the liquid, and means for blanking off sectors during the initial portion of their submergence and thereafter applying suction to them for a portion of their rotation, characterized by the provision of means associated with said blanking and suction applying means for successively interconnecting submerged blanked-off sectors with unsubmerged sectors, whereby the air trapped and compressed upon submergence is utilized to press outwardly against and to loosen the filter cake.

2,362,301
AIRCRAFT ROTOR WING CONSTRUCTION
Joseph S. Pecker, Philadelphia, Pa.
Application July 17, 1943, Serial No. 495,197
17 Claims. (Cl. 244—123)



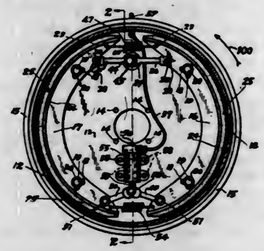
1. In a wing blade for rotor wing construction, a metallic stub spar extending from the hub of said rotor wing, a crenelated spar connector sleeve rigidly mounted on said metallic spar, said sleeve comprising pairs of angles welded together which form a sleeve enclosing said shaft, said shaft being of general rectangular configuration and having flat outer surfaces, a molded box spar enclosing said sleeve and lying against the flat surfaces thereof, said blade having a plate closing one end of said box spar and an end wall closing the opposite end of said box spar, four tension members comprising cables, diametrically opposite cables being twisted in the same direction, extending throughout the length of said box spar and located between the said spar and said connector sleeve adjacent the corners thereof.

2,362,302
METHOD FOR DRYING PLASTIC MATERIAL
George A. Perry, Royal Oak, Mich., assignor to Carboloy Company, Inc., Detroit, Mich., a corporation of New York
No Drawing. Application May 23, 1942, Serial No. 444,279
8 Claims. (Cl. 34—9)

1. In a method for drying a wet or pasty cemented carbide composition, the step which comprises closely surrounding it with common salt.

7. The method for drying a pasty cemented carbide composition which comprises embedding it in sodium chloride and progressively heating the embedded material from a temperature of about 40° C. to 180° C. in a flowing atmosphere to thereby control the removal of moisture from said composition.

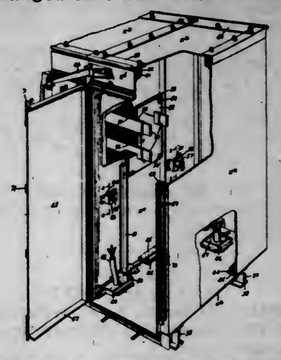
2,362,303
BRAKE MECHANISM
John H. Peterson, Silver City, Iowa
Application March 29, 1943, Serial No. 480,920
2 Claims. (Cl. 188—78)



1. In a braking mechanism, a revoluble brake-drum having an annular flange, a stationary backing-plate for said drum, the normal operating positions of said plate and flange being vertical and horizontal respectively, a pair of brake-shoes juxtaposed within the plane of said flange, each shoe being provided with a plurality of spaced apart apertures of substantially L-shape in plan, one of the arms of each aperture being disposed substantially vertically and the other arm of each aperture being substantially horizontally disposed, bolt shanks of lesser diameter than the width of the arms of said apertures disposed through the latter, ends of said shanks being secured to said plate at one side of said shoes, heads of said bolts being disposed at the other side of said shoes for loosely holding said shoes slidably adjacent the inner surface of said plate, and springs connected to and between the juxtaposed ends of both of said shoes for urging the latter toward each other.

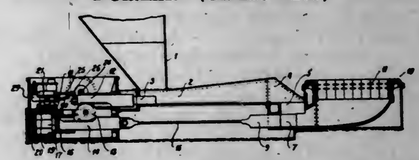
2,362,304
ELECTRICAL SWITCHGEAR
George M. Reed, Upper Darby, and Bertram W. Mahoney, Drexel Hill, Pa., assignors to General Electric Company, a corporation of New York
Application December 29, 1941, Serial No. 424,760
1 Claim. (Cl. 175—307)

Electrical switchgear of multiunit construction comprising a plurality of unitary cells mounted adjacent one to another to form a continuous structure, a bus bar common to all of said unitary cells and contained within said cells, and means for effectively preventing the communication of air or gases between said cells at the point where said bus bar passes from one cell to the other comprising a trough-shaped member arranged on either side of said point to



form a pocket and an insulating compound filling said pocket on both sides of the point where said bus bar passes from one cell to another to provide an effective seal.

2,362,305
CONVEYER MECHANISM
John Hughes Rice, Port Eynon, near Swansea, England, assignor to Rimer Manufacturing Co. Ltd.
Application August 29, 1939, Serial No. 292,512
In Great Britain September 2, 1938
4 Claims. (Cl. 110—109)

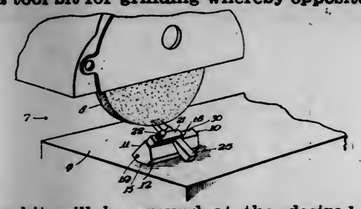


1. An underfeed stoker for feeding fuel to a retort, comprising an intermediate chamber outside but adjacent the retort, a hopper remote from said intermediate chamber, an intermediate enclosed passage extending from the hopper to said intermediate chamber for receiving fuel from the hopper and freely discharging it into the intermediate chamber, said passage having a true horizontal bottom and progressively increasing in cross-section from the hopper to the intermediate chamber, a primary ram for feeding fuel from the hopper into the enclosed passage, a secondary ram for feeding fuel from the intermediate chamber to the retort, means connecting the two rams to cause them to move in opposite directions, and mechanism for reciprocating said rams including means for applying greater force at a slower speed to the rams on the feed stroke of the secondary rams than on the feed stroke of the primary ram.

2,362,306
GRINDING GAUGE OR HOLDER FOR THREAD-CUTTING TOOLS
Arthur Ringzelli, Chicago, Ill.
Application September 24, 1942, Serial No. 459,528
8 Claims. (Cl. 51—221)

5. A holder for holding tool bits to be ground, comprising a body having means on opposite sides thereof for supporting the tool bits, and having converging surfaces on said opposite sides adapted to support the holder in alternate po-

sitions on the bed of a surface grinder to present a tool bit for grinding whereby opposite sides



of the bit will be ground at the desired angle corresponding to the relative positions of the converging surfaces.

2,362,307

CYCLIC DIETHERS

John J. Ritter, Yonkers, N. Y., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application May 11, 1940, Serial No. 334,668

5 Claims. (Cl. 260—338)

1. The method of making 4-ethyl-5-methyl metadioxane which consists in condensing at room temperature 1 mol pentene-2 and 2 mols formaldehyde in the presence of 83% aqueous sulfuric acid and recovering the 4-ethyl-5-methyl metadioxane.

2,362,308

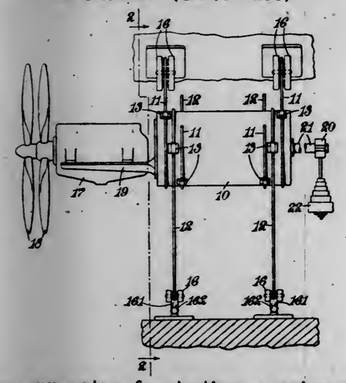
APPARATUS FOR TESTING PRIME MOVERS

William Henry Roberts, Gloucester, England, assignor to Rotol Airscrews Limited, Gloucester, England, a British company

Application March 12, 1942, Serial No. 434,445

In Great Britain October 11, 1940

10 Claims. (Cl. 73—136)



1. An apparatus for testing a prime-mover, comprising a cylindrical drum shaped engine-mounting to carry the prime-mover, a number of pairs of cables disposed each pair radially of the engine mounting with its cables on opposite sides thereof with their inner ends so wrapped onto the engine-mounting that rotation of the engine-mounting, by th torque of a prime-mover mounted on it, causes one cable of each pair to unwrap from the engine-mounting and the other to wrap thereon, a separate anchorage for the outer ends of the cables in each pair, each which anchorage permits the cables to move equally and oppositely to a limited extent as they wrap on and unwrap from the engine-mounting, and means acting on the engine-mounting measurably to balance the torque of a prime-mover mounted thereon.

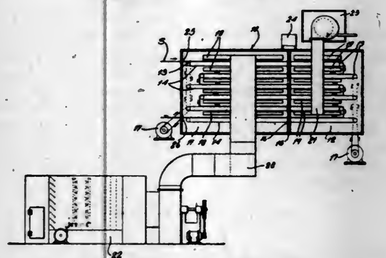
2,362,309

MOISTENING APPARATUS

John O. Ross, New York, N. Y., assignor to J. O. Ross Engineering Corporation, New York, N. Y., a corporation of New York

Application January 12, 1943, Serial No. 472,176

4 Claims. (Cl. 68—5)



1. Apparatus for moistening a continuously moving strip of water-absorbent material comprising a horizontally elongated housing divided by a vertical wall into a pair of chambers, a plurality of superposed conveyors each common to both chambers and passing through restricted openings in said vertical wall, a first and a second opening in vertically spaced planes in an outer side wall of one of said chambers, the first of said openings being provided for the passage of said strip from the exterior of said housing to the first of said conveyors and the second of said openings being provided for withdrawing it from the last of said conveyors to the exterior of said housing, means for driving successive conveyors in opposite directions, the delivery end of each conveyor except the last one being so positioned as to discharge said strip to the next conveyor, means for supplying cold humid air to said strip in one chamber and means for supplying hot humid air to said strip in the remaining chamber.

2,362,310

METALLIC BLASTING AND ABRASIVE MATERIAL

Franklin B. Rote, Ann Arbor, Mich., assignor to The International Nickel Company, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application December 29, 1942, Serial No. 470,517

6 Claims. (Cl. 51—309)

1. Metallic abrasive and blasting material made of substantially spherical cast iron particles having a microstructure comprised substantially entirely of carbide and austenite, and containing about 2% to 4% carbon, 0.2% to 1.5% manganese, 0.2% to 1% silicon, 0.5% to 6% nickel and the balance substantially all iron.

2,362,311

POLYMERIZATION OF OLEFINS AND CATALYST THEREFOR

Louis C. Rubin, West Caldwell, N. J., assignor to The Polymerization Process Corporation, Jersey City, N. J., a corporation of Delaware

No Drawing. Original application February 29, 1940, Serial No. 321,521. Divided and this application December 16, 1942, Serial No. 469,254

12 Claims. (Cl. 260—683.15)

1. The method of converting olefinic hydrocarbons to hydrocarbons of higher boiling points which comprises contacting said olefinic hydrocarbons at elevated temperature with a catalytic contact material comprising an intimate mixture of at least one metal pyrophosphate capable of reduction to a polymerization catalyst as the essential active ingredient of said contact material and a metal phosphate not capable of ready reduction to a polymerization catalyst.

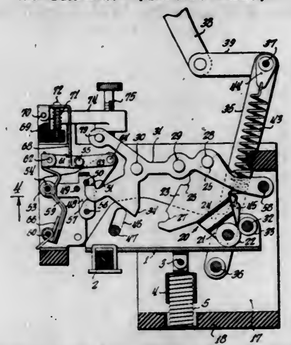
2,362,312

SWITCH CONSTRUCTION

Glenn R. Runke, Racine, Wis., assignor to Line Material Company, South Milwaukee, Wis., a corporation of Delaware

Application March 19, 1943, Serial No. 479,734

20 Claims. (Cl. 200—116)



1. A circuit breaker comprising a switch unit mounted as a floating structure and having both rocking and translatory motion and having a movable pivot point, spring means yieldingly supporting said unitary structure at the pivot point, an actuator engaging said switch unit and rockable back and forth across said pivot point and having both rocking and translatory motion, a plurality of pivot means for said actuator, said actuator successively engaging said pivot means as said actuator is rocked, and two independent means for respectively controlling the rocking and translatory motion of said actuator.

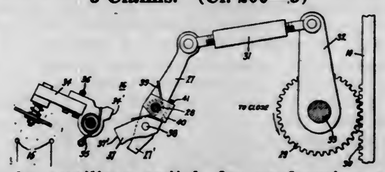
2,362,313

AUXILIARY SWITCH

Harold N. Schneider, Philadelphia, Pa., assignor to General Electric Company, a corporation of New York

Application March 29, 1943, Serial No. 480,941

5 Claims. (Cl. 200—5)



3. An auxiliary switch for performing a controlling function for a circuit breaker which switch opens and closes in response to the operation of said circuit breaker, comprising a pivotally mounted member movable in response to opening and closing movements of said circuit breaker, contact controlling means, and a pivotally mounted dog on said pivotally mounted member for causing said contact controlling means to operate at a point during the opening stroke of said circuit breaker, independently of the point during the closing stroke of said circuit breaker at which said contact controlling means is operated.

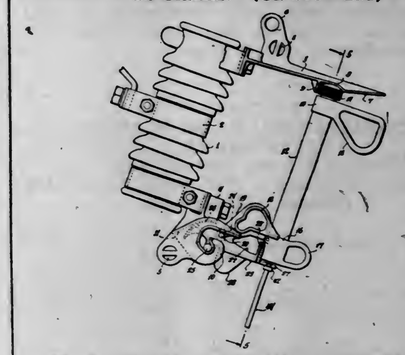
2,362,314

CUTOUT CONSTRUCTION

William O. Schultz, South Milwaukee, and Alwin G. Steinmayer, Milwaukee, Wis., assignors to Line Material Company, South Milwaukee, Wis., a corporation of Delaware

Application February 6, 1943, Serial No. 474,938

22 Claims. (Cl. 200—114)



20. A cut-out construction comprising a tube having an open end and a closed end, a conductor within said tube having a normally projecting portion projecting outwardly from the open end of said tube, said tube having a terminal adjacent its closed end and having a terminal provided with a portion adjacent its open end, a pair of stationary contacts normally electrically connected to the terminals of said tube, retracting means within said tube tending to draw the normally projecting portion of said conductor into said tube, restraining means adjacent the open end of said tube for detachably holding the normally outwardly projecting portion of said conductor, and operable means for causing release of said conductor from said restraining means, the said portion of the terminal of the tube adjacent the open end being arranged in close proximity to said normally outwardly projecting portion whereby when said normally outwardly projecting portion is retracted the arc will be established between the last mentioned terminal of the tube and the normally projecting portion of said conductor and the circuit will be interrupted within said tube.

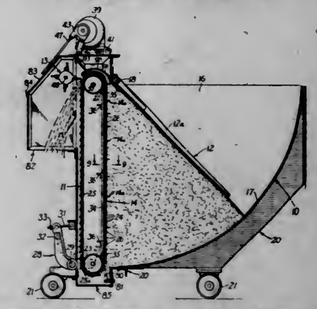
2,362,315

FUR FEEDING MACHINE

Paul Schultze, Danbury, Conn., assignor to Doran Brothers Incorporated, Danbury, Conn.

Application March 17, 1942, Serial No. 435,060

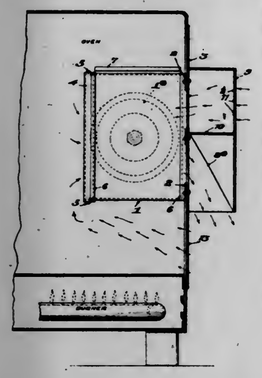
16 Claims. (Cl. 19—78)



1. In a fur feeder, in combination, a hopper having an open side, an apron closing said open

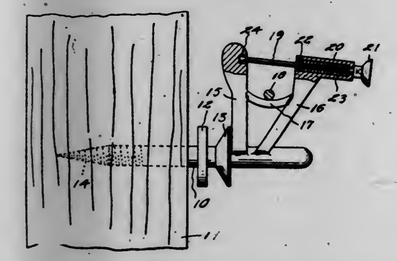
side, means for driving said apron, means on said apron for removing fur from said hopper as said apron is driven, a plurality of stationary members extending longitudinally of and positioned next to said apron, and means formed on said stationary members extending outwardly with respect to said apron into the fur in said hopper, said last-mentioned means holding the stratum of fur adjacent said apron stationary as said fur removing means on said apron shears fur from the surface of this stratum.

2,362,316
DETACHABLE HEAT CIRCULATING ATTACHMENT
Clarence R. Sims, Elkhart, Ind.
Application September 5, 1942, Serial No. 457,496
4 Claims. (Cl. 126—6)



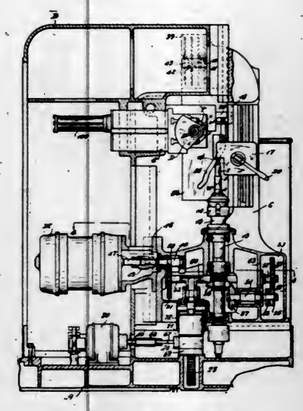
1. In a detachable heat circulating attachment for ovens, the combination of an oven door having openings in its lower portion for the intake of air, a blower case detachably connected to said oven door, a blower unit in said case, passages through the oven door for ingress of air into the oven and to the blower, a cover mounted in the oven door, a baffle plate in said cover, and deflecting members in the lower portion of the cover for directing heated air driven out by the blower downwardly toward the floor of the space to be heated.

2,362,317
FENCE FASTENER OR STAPLE
Clement Jack Smith, Baytown, Tex., assignor of one-half to Lymus M. Smith, Navasota, Tex.
Application June 3, 1943, Serial No. 489,525
2 Claims. (Cl. 248—71)



1. A fastener of the class described having a shank adapted to penetrate a post or the like, a disc and a collar on said shank in spaced relation providing a groove for engagement by an extracting tool, arms extending from the shank outwardly of the disc and collar, said arms being spaced apart at their outer ends, and a latch member operatively mounted by one of the arms arranged to bridge the entrance to the space between said arms.

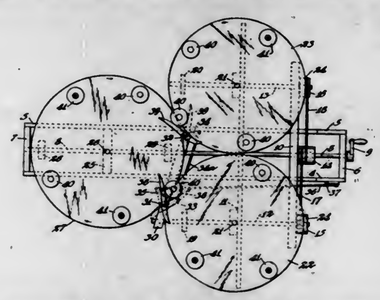
2,362,318
TURNING MACHINE
Otis E. Staples, Euclid, Ohio, assignor to The Cleveland Hobbing Machine Company, Cleveland, Ohio, a corporation of Ohio
Application February 28, 1941, Serial No. 381,035
6 Claims. (Cl. 82—13)



1. In a machine of the character described, the combination of a frame, a work spindle rotatably supported by said frame, a tool support carried by said frame, a multiple speed alternating current electric motor for rotating said work spindle, means for producing relative movement between said work spindle and tool support in a direction generally parallel to the axis of rotation of the work spindle whereby tooling carried by said tool support is moved axially along a work blank operatively connected to said work spindle, means for causing the tooling to turn portions of different diameter on the work blank as the relative movement between the tool and work generally parallel to the axis of rotation of the work is effected, an electric control circuit for said motor including means for automatically changing the speed thereof in relation to the diameter of the work being turned, a manually operable device in said control circuit adapted to stop said motor upon being actuated, and means for causing said motor to operate at its slowest speed when again started after being stopped by said device irrespective of the speed at which it was operating at the time said device was actuated.

2,362,319
GAME DEVICE
Warner Stauffacher, Minneapolis, Minn.
Application April 3, 1943, Serial No. 481,662
9 Claims. (Cl. 273—110)

1. In a game device, a pair a relatively movable base elements having edge portions adjacent each other, a plurality of game pieces adapted to rest upon said base elements, and a game piece transfer device movably mounted adjacent said



base elements and movable over said elements to deflect game pieces from one base element to the other.

2,362,320
FREEZING TRAY
Carl H. Steenstrup, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application June 18, 1938, Serial No. 214,475
9 Claims. (Cl. 62—108.5)

1. A removable partition assembly for a freezing tray including a plurality of alined longitudinal partition elements and a plurality of transverse partition elements arranged between said longitudinal elements, said longitudinal and transverse elements cooperating to form side walls of a plurality of ice block compartments, means for retaining said partition elements in assembled relation and for affording relative bodily movement between said elements, said longitudinal elements being angularly movable with respect to each other in their plane of alinement, means adapted to move said elements with respect to each other for breaking a frozen bond between said partition elements and ice blocks frozen between said compartment walls, and means including lateral projections on each of said longitudinal elements for facilitating the breaking of the frozen bond formed between said blocks in the compartments on either side of each said longitudinal element and the adjacent ones of said transverse members constituting walls of the same compartments.

2,362,321
SAFETY FOUNTAIN PEN
Diedrich E. Steven, Chicago, Ill.
Application January 20, 1944, Serial No. 519,018
3 Claims. (Cl. 120—49)

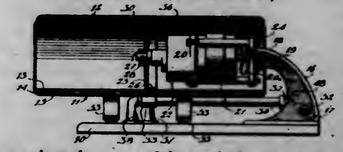
1. A pen of the class described having a barrel, means slidable therein to fill the barrel with ink and including a tube, feeder means carrying a pen point slidably mounted in the barrel and extending into the tube, spring means within the tube engageable against the feeder means to urge

projection of the latter to writing position, and cap means applicable to the barrel having a part



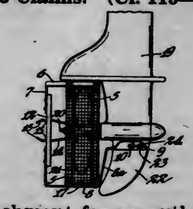
engageable with the feeder means to move the latter to retracted position as the cap is applied.

2,362,322
IRONER
William E. Stilwell, Jr., Cincinnati, Ohio, assignor to Empire Ironer, Inc., Cincinnati, Ohio, a corporation of Ohio
Original application February 14, 1938, Serial No. 190,370. Divided and this application March 2, 1939, Serial No. 259,396
9 Claims. (Cl. 38—60)



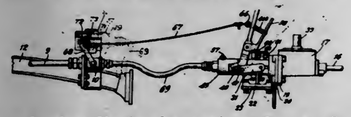
1. In an ironing machine of the type including a hollow roll and a cooperating shoe; a mounting and driving means for supporting said roll from one end only comprising, a cantilever support bracket, an electric motor mounted on the outer end of said bracket, a roll driving shaft driven by the motor and extending from the motor in a direction opposite to that of the cantilever bracket, said electric motor being within said hollow roll, a roll support and driving hub within said roll, said hub being positioned substantially medially the length of said roll, said hub being mounted directly on said roll driving shaft and providing the supporting means for the roll.

2,362,323
COMBINED WEED GUARD AND TROLLING PLATE FOR OUTBOARD MOTORS
Leonard A. Stoppel, Alexandria, Minn.
Application May 12, 1943, Serial No. 486,670
3 Claims. (Cl. 115—42)



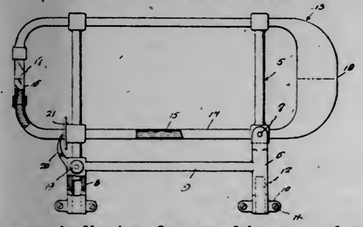
1. An attachment for an outboard motor having a propeller shaft and a propeller thereon and having supporting structure for said propeller and shaft comprising, a frame, a detachable connection between said frame and said propeller supporting structure, a weed guard supported by said frame and adapted to lie forwardly of said propeller, a trolling plate connected to said frame and adapted to lie rearwardly of said propeller, and a detachable connection for said trolling plate adapted to be connected to an end of said propeller shaft.

2,362,324
BRAKE FOR TRAILERS AND THE LIKE
Olof E. E. Stromberg, Chicago, Ill.
Application November 12, 1942, Serial No. 465,300
8 Claims. (Cl. 188—3)



1. In a hydraulic brake system for a plurality of vehicles and the like, a master cylinder, and a master piston therein on one vehicle, a power transmission cylinder and a power transmission piston therein on the other vehicle, a connecting sleeve permanently aligned with the master cylinder, means for removably holding the power cylinder in alignment with the sleeve including a forked lever pivoted on the sleeve, lugs projecting laterally from the power transmission cylinder and cam members on the lever adapted to engage the lugs, a latch stop adjustably positioned on the sleeve and a latch dog on the lever in releasable engagement with the stop, the ends of the cylinders adjacent the sleeve being open and masked by the sleeve, the wall of the sleeve being slotted, a yoke in the sleeve having trunnions extending outwardly through the slots, the end of the sleeve nearest the power cylinder having an integral apertured closure, a push pin slidable in and guided by the closure and projecting at both ends beyond the sleeve to engage the pistons, the pin being slidable in the yoke, a spring within the sleeve encircling the pin adapted to be compressed between the yoke and the closure.

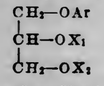
2,362,325
INDICATOR FOR TERRACING APPARATUS
Modie H. Thurmond, Cuba, Mo.
Application February 7, 1944, Serial No. 521,416
4 Claims. (Cl. 33—209)



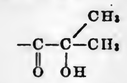
1. In an indicator for machines employed in terracing hillsides, vertically arranged standards mounted on the machine, a post pivoted to one of said standards, a second post adjustably connected to the other standard, and a liquid level medium carried by said posts.

2,362,326
AROMATIC GLYCERYL ESTERS OF ALPHA-HYDROXYISOBUTYRIC ACIDS
Jack T. Thurston, Cos Cob, and John M. Grim, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application November 6, 1940, Serial No. 364,552
6 Claims. (Cl. 260—484)

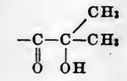
5. Compounds having the general formula



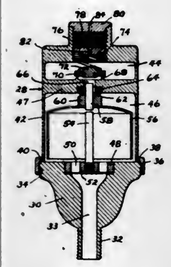
in which Ar is an aryl radical, and X_1 and X_2 are members of the group consisting of hydrogen, aryl radicals, and the group



at least one of the symbols X_1 and X_2 representing the radical



2,362,327
AIR VENTING VALVE
John Upton, Wayland, Mass., assignor to Anderson Products, Inc., Cambridge, Mass., a corporation of Massachusetts
Application March 5, 1942, Serial No. 433,439
5 Claims. (Cl. 137—122)

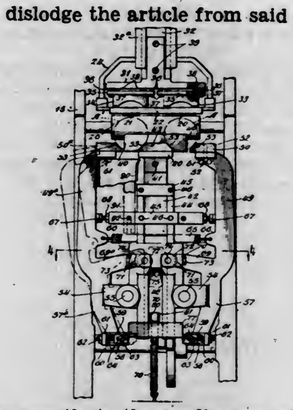


5. A valve of the type described comprising a casing having an inlet port and an outlet port, a partition dividing the casing into upper and lower chambers, an aperture through said partition, lower valve means for closing the lower end of said aperture under the influence of rising liquid in said lower chamber, and upper valve means normally maintaining the upper end of said aperture closed and operable to open when the pressure in the lower chamber exceeds a predetermined degree and said lower valve means is open, the weight of said lower valve means being so related to the effective seating area of said lower valve means that a pressure in said lower chamber slightly in excess of the pressure required to open said upper valve means will be sufficient to maintain said lower valve means closed following closure by rising liquid level and after the liquid has receded below the level reached in performing the initial closing operation of said lower valve means.

2,362,328
LABELING MACHINE
George W. von Hofe, Bound Brook, N. J., assignor to New Jersey Machine Corporation, Hoboken, N. J., a corporation of New Jersey
Application January 9, 1942, Serial No. 426,107
15 Claims. (Cl. 216—55)

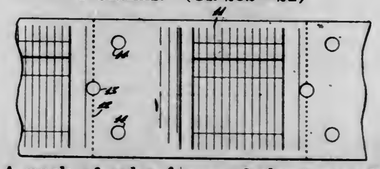
1. In a labeling machine, a pair of members co-operating with each other to provide a divided supporting seat for an article to be labeled, means for applying a label to said article, and means for operating at least one of said members relatively to the other to disrupt said supporting seat and

thereby dislodge the article from said supporting



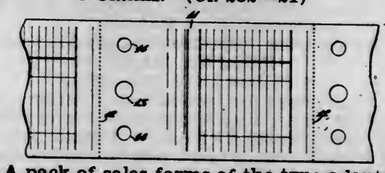
seat subsequently to the application of said label thereto.

2,362,329
MANIFOLDING STATIONERY
Harry J. Waechter, Mount Healthy, Ohio, assignor to Paul Benninghofen and Fritz G. Diesbach, Hamilton, Ohio, trustees
Original application February 20, 1941, Serial No. 379,849. Divided and this application December 30, 1942, Serial No. 470,600
3 Claims. (Cl. 282—21)



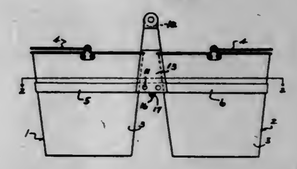
1. A pack of sales forms of the type adapted to be fed through a manifolding machine, comprising superimposed strips of paper, including successively arranged sales forms separated by weakened transverse tear lines, said superimposed strips folded in zigzag form on said weakened tear lines, the strips making up the forms including for each form a series of three feed control apertures, two of said apertures disposed in transverse alignment adjacent the respective edges of the strips and the third aperture disposed forwardly of the last-named two and located on the weakened tear line, the corresponding apertures of the respective strips and forms being in alignment when the forms are zigzag folded.

2,362,330
MANIFOLDING STATIONERY
Harry J. Waechter, Mount Healthy, Ohio, assignor to Paul Benninghofen and Fritz G. Diesbach, Hamilton, Ohio, trustees
Original application February 20, 1941, Serial No. 379,850. Divided and this application December 30, 1942, Serial No. 470,602
3 Claims. (Cl. 282—21)



1. A pack of sales forms of the type adapted to be fed through a manifolding machine, comprising superimposed strips of paper, including successively arranged sales forms separated by weakened transverse tear lines, said superimposed strips folded in zigzag form on said weakened tear lines, the strips making up the forms including for each form a series of three feed control apertures, said apertures disposed in transverse alignment, the central aperture being of greater size than the outer two, the corresponding apertures of the respective strips and forms being in alignment when the forms are zigzag folded.

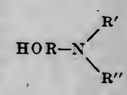
2,362,331
TWIN-PAILS HOLDER
Anna Weber, Pittsburgh, Pa.
Application October 30, 1942, Serial No. 465,272
1 Claim. (Cl. 224—45)



A holder for a pair of pails comprising the combination of a continuous strip of material formed to provide a pair of carrier bands for receiving and supporting the pails and further being formed to provide a constricted neck between said bands, a handle fixed to said neck, a cross-bar secured in said neck, a bolt mounted in said cross-bar and being vertically and revolubly shiftable in the latter, a spiral spring mounted on said bolt below said cross-bar and abutting against the latter, a nut threadedly engaged on the lower end of said bolt for retaining and adjusting said spring on said bolt, a stop disk fixed on said bolt above said cross-bar for limiting the downward movement of said bolt in said cross-bar, a clamp plate fixed to the upper end of said bolt and being provided with depending end lugs overlapping and engaging the top rims of respective pails to retain the latter in said bands, and a vertically disposed finger ring fixed to the top of said clamping plate for facilitating the manipulation of the latter to secure and release the pails in said bands.

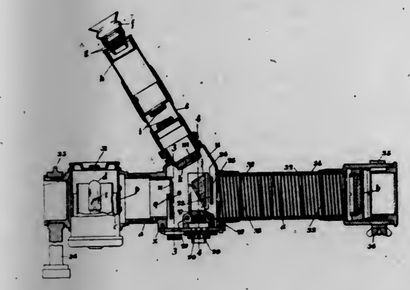
2,362,332
CORROSION PREVENTIVE COMPOSITIONS
John C. Zimmer, Union, and Ejnar W. Carlson, Roselle Park, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application June 29, 1940, Serial No. 343,258
12 Claims. (Cl. 106—14)

1. A corrosion preventive composition for metals comprising a petroleum fraction, a saponaceous material and 0.1–5% of an organic amine having a boiling point above approximately 250° F. and having a structural formula



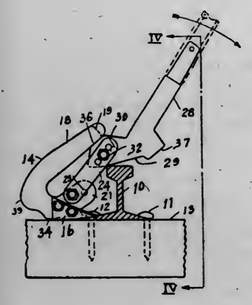
wherein R is an aliphatic hydrocarbon group, R′ is a group of the class consisting of hydrogen, aliphatic, and aromatic hydrocarbon radicals and R″ is a group of the class consisting of aliphatic and aromatic hydrocarbon radicals.

2,362,333
SIGNALING APPARATUS
Arthur Cyril Webb Aldis, Sparkhill, Birmingham, England, assignor to Aldis Brothers Limited, Sparkhill, Birmingham, England
Application March 2, 1942, Serial No. 433,086
In Great Britain September 30, 1940
8 Claims. (Cl. 177—327)



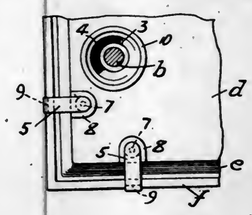
1. Signaling apparatus comprising in combination a main tubular member, an object lens arranged at one end of and coaxially with the main tubular member, a branch tubular member united at one end with an intermediate portion of the main tubular member, an eye piece and a light source housing disposed one at the outer end of the branch tubular member and the other in the vicinity of the end of the main tubular member remote from the object lens, light deflecting means, and means for moving the light deflecting means into and out of a service position in which it deflects the optical axis of the object lens through the branch tubular member.

2,362,334
SPIKE PULLER
Marvin B. Alley, Birmingham, Ala.
Application February 5, 1944, Serial No. 521,188
9 Claims. (Cl. 254—21)



1. A tool of the character described comprising a generally C shaped pulling head, spike engaging claws at the lower end of the pulling head, the upper end of the pulling head overhanging the claws, and a lever operatively connected to the lower end of the pulling head and adapted to take a bearing against the upper end of the pulling head and rock it about its lower end to effect an initial pull on a spike.

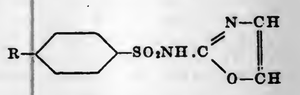
2,362,335
VENT STRUCTURE FOR STORAGE BATTERIES
Cornelius Ambruster, Roslyn, Pa., assignor to The Electric Storage Battery Company, Philadelphia, Pa., a corporation of New Jersey
Original application June 26, 1940, Serial No. 342,435, now Patent No. 2,328,535, dated September 7, 1943. Divided and this application September 20, 1941, Serial No. 411,669
3 Claims. (Cl. 136—163)



3. In combination, in a storage battery, a jar containing electrolyte, an element in the jar provided with a terminal post, a cover having an opening larger in area than the area of the cross-section of the terminal post through which the post passes, said cover being provided with an annular downwardly dished cavity around the opening and a canopy mounted on the terminal post above said opening and out of contact with said cover, the outside diameter of said canopy being less than the maximum diameter of said cavity, whereby spray is directed back into the jar.

2,362,336
SULPHONAMIDE DERIVATIVES OF 2-AMINOOXAZOLE AND PROCESSES FOR THEIR PRODUCTION
George W. Anderson, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application July 31, 1942, Serial No. 453,046
8 Claims. (Cl. 260—239.6)

1. A compound of the group consisting of those represented by the following formula and salts thereof:



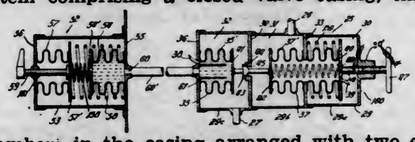
in which R is a member of the group consisting of amino radicals and radicals reducible to an amino group.

2,362,337
PROCESS OF MAKING 2-AMINOOXAZOLE
George W. Anderson, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application July 31, 1942, Serial No. 453,047
3 Claims. (Cl. 260—307)

1. A process for producing 2-aminooxazole which comprises reacting urea with a member of the group consisting of chloro acetaldehyde and bromo acetaldehyde, said reaction being carried out by refluxing an aqueous solution of the reactants.

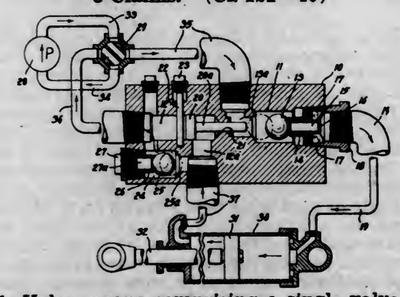
2,362,338
VALVE
Lawrence C. Anderson, Chicago, Ill., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application November 6, 1942, Serial No. 464,815
2 Claims. (Cl. 236—98)

1. A modulating heat valve unit for a heating system comprising a closed valve casing, three



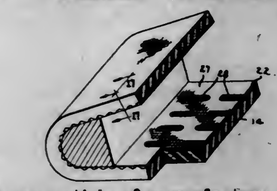
chambers in the casing arranged with two end chambers and an intermediate chamber, a passage through the outer wall into the intermediate chamber, a passage through the outer wall into one end chamber, a communicating passage in the wall between the last two mentioned chambers, a movable valve member adapted to open and close the communicating passage, thermostatic responsive means operatively connected to the valve urging the valve member toward its closed position, the intermediate chamber and the end chamber opposite to the last mentioned end chamber being separated by a wall having an opening therein, a spring passing from the intermediate chamber through the said opening into the last mentioned end chamber, a closed bellows having air exhausted therefrom completely surrounding the spring and sealed around the opening in the separating wall so as to seal the end chamber from the intermediate chamber, means for operatively connecting the spring to the valve member so as to urge the valve member toward its open position, a spring in the last mentioned end chamber seated against the wall separating the intermediate and end chambers and connected to the free end of the first spring and opposing atmospheric pressure increases in the said end chamber, and manual adjusting means for adjusting the compression in the first mentioned spring.

2,362,339
FLUID OPERATED SERVOMOTOR
George E. Armington, South Euclid, Ohio, assignor to The Euclid Road Machinery Co., Euclid, Ohio, a corporation of Ohio
Application April 28, 1943, Serial No. 484,831
3 Claims. (Cl. 121—40)



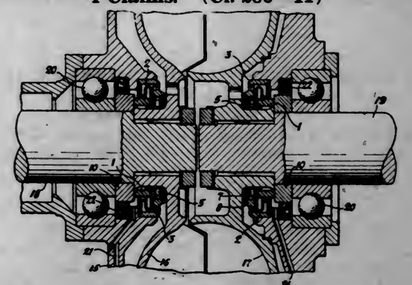
1. Valve means comprising a single valve body provided with two openings for the connection of a first supply line, there being a first passageway in said body communicating between said openings, a check valve in said passageway normally permitting flow in said passageway in one direction only, said valve body being provided with two other openings for the connection of a second supply line, there being a pair of passageways in said body communicating in parallel between said two other openings, a check valve in one of said pair of passageways permitting flow in said second supply line therethrough in one direction only, there being an expansible chamber device in the other of said pair of passageways movable by fluid flow in said second supply line in the opposite direction, and means extending from said device into said first passageway for opening said first named check valve upon said movement of said device.

2,362,340
LONG DRAFT TEXTILE APRON
Henry M. Bacon, Dayton, Ohio, assignor to The Dayton Rubber Manufacturing Company, Dayton, Ohio, a corporation of Ohio
Application April 19, 1941, Serial No. 389,477
6 Claims. (Cl. 19—131)



1. As an article of manufacture, a draft apron comprising an outer resilient fiber working surface composition layer and an inner surface adapted for contacting the draft roll, said inner surface comprising a fabric layer provided with a plurality of relatively large spaced openings cut through the fabric distinct from and forming no part of but larger in area than the interstices of said fabric layer through which portions of the composition forming the working surface layer protrude, said protrusions being of substantial size and adapted to provide a tread having enhanced gripping action.

2,362,341
SEAL
Malvern S. Baker, Pontiac, Mich., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 28, 1943, Serial No. 488,839
4 Claims. (Cl. 286—11)



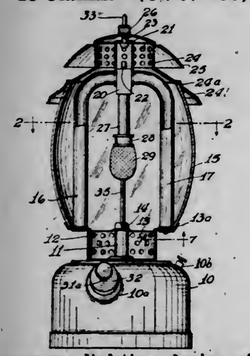
1. A running fit seal between relatively rotatable parts comprising a seal ring having a sealing face at its front end, an imperforate flexible axially extending tubular bellows telescopically surrounding the ring in nested sleeved relation thereto and having its rear end joined to the rear end of the seal ring and its forward end located intermediate the front and rear ends of the seal ring, a cupped carrier having its cylindrical skirt telescopically sleeved on and surrounding the bellows in nested relation thereto and at its front end permanently joined to the front end of the tubular bellows and having its radial flange located behind the rear end of the seal ring and

terminating centrally in an outwardly projecting cylindrical bearing surface, a pressure distributing ring slidably supported on said cylindrical bearing surface and engaging the bellows joined end of the seal ring, a spring acting on the pressure ring and a snap ring retainer engageable with the radial flange for detachably mounting the spring and the pressure ring on said radial flange.

2,362,342
LIQUID FUEL BURNING DEVICE OF PRESSURE TYPE

Robert Baker, Alexandria, and Cortland W. Davis, Summitville, Ind., assignors to The Mantle Lamp Company of America, Chicago, Ill., a corporation of Illinois

Application February 19, 1942, Serial No. 431,568
13 Claims. (Cl. 67—50)

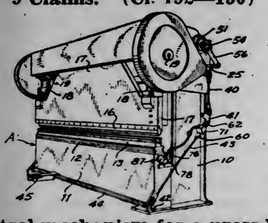


2. In a pressure lighting device of the mantle type for operation with liquid fuel, the combination including an air tube, a stationary tube having its discharge end in optimum aspirating relation to air delivered from said air tube, and a fuel nozzle supported with its discharge end in said stationary tube and directed towards the discharge end of said stationary tube, said nozzle being movable axially in said stationary tube, whereby substantially the same aspirating effect is produced for different positions of the discharge end of said nozzle within said stationary tube.

2,362,343
CONTROL MECHANISM FOR PRESS BRAKES OR SIMILAR MACHINES

Cyril J. Bath, Hudson, Ohio

Application February 6, 1942, Serial No. 429,785
9 Claims. (Cl. 192—150)

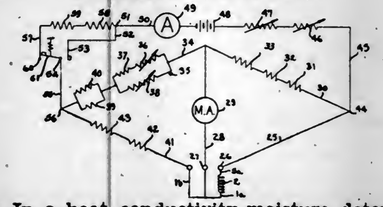


1. A control mechanism for a press brake having a frame and a ram which is driven through a clutch, said control mechanism comprising manually operable means for holding said clutch in driving engagement, and means associated with said frame and said first mentioned means and operable to render said first mentioned means ineffective to hold said clutch in driving engagement when the frame has been stretched beyond a predetermined point.

2,362,344
APPARATUS FOR MEASURING MOISTURE

Leonard D. Baver, Raleigh, N. C., and Byron T. Shaw, Columbus, Ohio, assignors to The Ohio State University Research Foundation, Columbus, Ohio, a corporation of Ohio

Original application June 12, 1940, Serial No. 340,170. Divided and this application December 31, 1940, Serial No. 372,476
2 Claims. (Cl. 73—75)

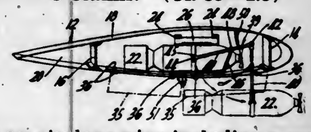


1. In a heat conductivity-moisture determining apparatus, a Wheatstone bridge circuit having a heating coil in one leg thereof adapted to be inserted into the material the moisture content of which is to be measured, two other legs of the bridge circuit being formed entirely of fixed resistors, a variable resistance in the fourth leg of the bridge; a microammeter connected across said legs; a current-applying circuit having an ammeter, battery and variable resistances therein, a switch for connecting said current-applying circuit to said Wheatstone bridge circuit, a supplementary balancing resistance, a switch for selectively connecting said supplementary resistance into or out of series with said current applying circuit, whereby the bridge may be balanced with a small current when the supplementary resistance is connected in series with said current applying circuit.

2,362,345
DIVE BOMBING AIRPLANE

Edward M. Bertrán, Jackson Heights, N. Y., assignor to Brewster Aeronautical Corporation, Long Island City, N. Y.

Application June 26, 1941, Serial No. 399,824
3 Claims. (Cl. 89—1.5)



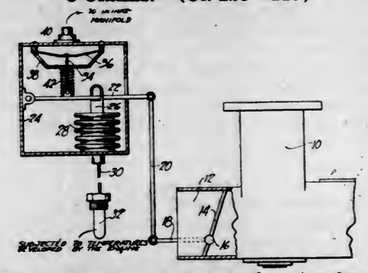
1. In an airplane wing including a curved sheet covering member spanning a supporting frame and curving in directions chord-wise of said wing, a plurality of rib members forming portions of said frame and supporting said wing covering member at intervals, said rib members being spaced and arranged to extend chord-wise of said wing and to provide bomb carrying spaces therebetween, portions of said covering member at the under side of said wing being in the form of separate panels aligned chord-wise of the wing and hingedly connected to said wing by hinge connection means having hinge axes extending chord-wise of said wing so as to provide separate doors aligned chord-wise of said wing in conjunction with each of said bomb carrying spaces openable to permit passage of bombs therethrough, a bomb displacement bracket mounted within each of said spaces and pivotally connected to said wing to swing about axes extending substantially normally of said rib members and having forked-end connection means for engaging boss members extending from the bombs to be carried, bomb rack means mounted within said wing adjacent the

position of said bombs and adapted to detachably hold the latter within the bomb carrying spaces thereof preparatory to release for bombing purposes, said displacement brackets being adapted to be pivotally moved relative to said wing upon release of corresponding of said bombs and movement thereof in a forward direction relative to said wing under the forces of gravity acting upon said bombs to displace said bombs laterally through said covering at the region of said panelled portions, link means connecting said brackets and corresponding of said panelled portions for automatically moving the latter between closed and open positions in connection with said pivotal movements of said brackets, and scissor link means interconnecting aligned of said panelled portions so as to cause the latter to move in unison.

2,362,346
CARBURETOR

Kenneth R. Blake, Anderson, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application February 23, 1932, Serial No. 594,707
8 Claims. (Cl. 123—119)

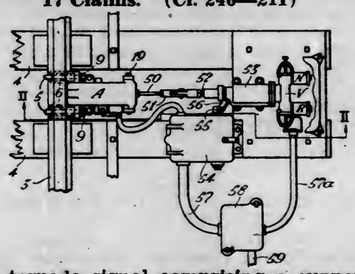


1. In combination with a carburetor for an internal combustion engine having a choke valve, and with the generator circuit of the engine of means actuated by said circuit for operating the choke valve, and means controlled by engine temperature for modifying the operation of the choke valve independently of said first mentioned means.

2,362,347
TORPEDO SIGNAL FOR RAILWAYS

Herbert L. Bone, Forest Hills, and Kenneth J. J. McGowan, Pittsburgh, Pa., assignors to The Union Switch and Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application May 14, 1943, Serial No. 486,978
17 Claims. (Cl. 246—211)

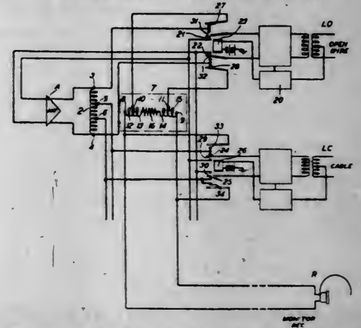


1. A torpedo signal comprising a support secured to a track rail at the outer side of the rail, a body assembly pivotally attached to the outer end of said support and resiliently supported at the end nearest the rail by spring means mounted in said support, a torpedo magazine formed in said body assembly, a cover pivotally attached to said support above said body assembly for movement between a firing position in which the cover is disposed above the top of the rail and a non-firing position in which it is disposed below the top of the rail, a firing pin secured to said cover, a torpedo slide slidably mounted in said body member for movement between clear and firing positions and provided in its inner end with a torpedo opening which aligns vertically with said torpedo magazine or said firing pin according as said slide occupies its clear or its firing position, a firing anvil secured to said slide below said torpedo opening by a lost motion connection which moves the said anvil underneath the firing pin or removes it from beneath the firing pin to permit the cover to drop to its non-firing position according as said slide is moved to its clear or firing position, and means for elevating said cover while said slide is being moved to or away from its firing position.

2,362,348
TRANSMISSION MONITORING SYSTEM

Nelson Botsford, Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application January 28, 1941, Serial No. 376,362
9 Claims. (Cl. 179—175.3)



1. In a monitoring system, two sources of signal frequency of different energy level, a receiver having an input circuit adapted to be connected to either source, means for maintaining a constant voltage level across said receiver regardless of which source the input circuit is connected to, said means comprising an impedance including a pair of mutually inductive transformer windings and a non-inductive resistance in series therebetween connected in shunt to said input circuit, and means for connecting said lower level source directly across said impedance and for connecting said higher level source between intermediate points of said pair of transformer windings.

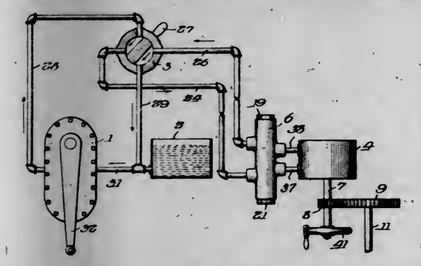
2,362,349
FLUID MOTOR BYPASS VALVE

Corwin W. Bryant, Downers Grove, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois

Application January 19, 1942, Serial No. 427,247
7 Claims. (Cl. 60—53)

4. In a fluid pressure system, a bypass valve for controlling the flow of fluid between a fluid pressure motor, a fluid reversing valve and a pump having an intake connected to an exhaust port of said reversing valve, said pump having a discharge for fluid under pressure connected to said reversing valve, a pair of conduits connecting said reversing valve and said bypass valve, a pair of fluid passages connecting said bypass valve with said fluid motor; said bypass valve consisting of a casing ported to receive said conduits and passages and having a cylindrical bore there-

within, a double-headed control piston mounted in said bore for axial movement relative to said ported casing, resilient means within said casing adapted to resist movement of said piston toward either end of said bore whereby said piston is normally maintained centrally located within said bore, said casing having ports so arranged that when the piston is in said normal central position the said fluid passages leading to said pressure motor are directly interconnected through the said bore within the casing whereby fluid may be bypassed freely from one end of said pressure motor to the other in the event that the



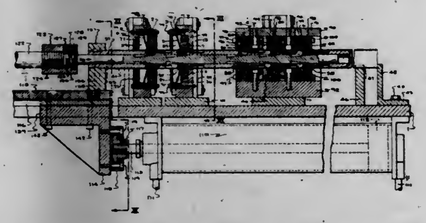
motor is independently operated, the casing ports also providing that when fluid is discharged under pressure into one or the other of the said conduits and against the resilient means the said piston is moved axially toward the other conduit to permit fluid to flow into one or the other of the said passages to actuate the fluid motor, whereby when the said piston is moved by pressure to connect one conduit to one of the passages, it simultaneously disconnects the passages from each other and connects the other of said passages to the other conduit.

2,362,350

APPARATUS FOR MAKING MUFFLERS

Clarence M. Buck, Jackson, Mich., assignor to Hayes Industries, Inc., Jackson, Mich., a corporation of Michigan

Application April 29, 1940, Serial No. 332,174
15 Claims. (Cl. 153—80)



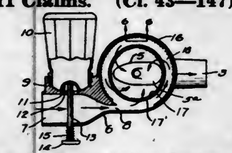
1. A device of the character described for securing a plurality of baffles having annular flanges outlining openings therein to a tube projecting through said openings, comprising a mandrel for receiving a tube thereon, a plurality of radially expanding dies, each comprising a plurality of circumferentially aligned expanding dies on said mandrel, means to fixedly support said baffles in a predetermined axial alignment and radially opposite said radially expanding dies respectively, means for projecting said dies outwardly to radially expand the tube onto said flanges, and means to engage the outside of the tube to support the same while the expanding dies are moved radially outwardly to expand the tube onto the flanges.

2,362,351

INSECTICIDE DISPENSER

Frederick H. Burmeister and Ira F. Flatz, Toledo, Ohio, assignors to Air-Way Electric Appliance Corporation, Toledo, Ohio, a corporation of Delaware

Original application January 30, 1941, Serial No. 376,588. Divided and this application September 27, 1943, Serial No. 503,960
11 Claims. (Cl. 43—147)



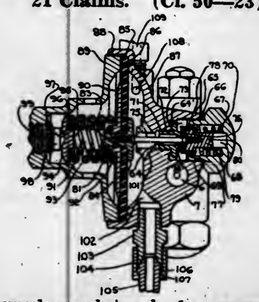
11. An insecticide spraying device comprising a conduit and means for comminuting insecticide crystals in communication with the conduit, said means having an abrasive wall, an inner wall spaced from the abrasive wall and having a screening portion opposite the abrasive wall, said screening portion and abrasive wall having the effect of causing crystals to move in a substantially closed circuit, whereby insecticide crystals contact either the screening portion or the abrasive wall, and means in communication with said first means for allowing insecticide laden air to be removed from the first said means, whereby at least one plane intersecting the abrasive wall and the inner wall will include the axis of the conduit.

2,362,352

TWO-STAGE REGULATOR

William C. Buttner, Winnetka, Ill.

Application December 12, 1940, Serial No. 369,881
21 Claims. (Cl. 50—23)



4. A forged regulator body comprising a substantially circular disk-like central portion tapering outwardly upon the back side thereof, an elongated L-shaped integral boss disposed at one side of and merging into the tapered portion and coming substantially within the diameter of the central portion and within the overall length of the body and tapered portion.

2,362,353

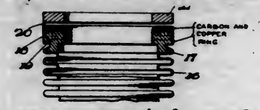
ELEMENTS OF COMPRESSED AND SINTERED POWDERS

Paul E. Cate, Knoxville, Tenn., assignor to The Fulton Sylphon Company, Knoxville, Tenn., a corporation of Delaware

Application August 29, 1942, Serial No. 456,697
5 Claims. (Cl. 288—2)

1. A bearing or wearing ring for attachment to a bellows having opposed faces of dissimilar materials one face being of a material similar to the material of the bellows and the other face being of a material of different character and the body

of said ring intermediate said faces being composed of mixtures of said materials in which the



constituents are progressively graded from a maximum of one to a maximum of the other.

2,362,354

SPLASH DAMPENER FOR BEVERAGE CONTAINERS

Paul C. Clovis, Kenilworth, Ill.

Application March 21, 1942, Serial No. 435,616
2 Claims. (Cl. 65—13)



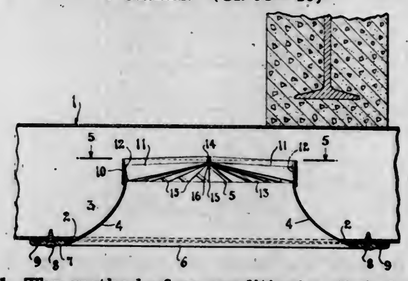
1. As an article of manufacture, a surge damper for a beverage container including plate-like wall members having a length on the order of the diameter of a container in which they are adapted to be disposed in a substantially vertical position, means for affording friction engagement between the ends of the members and the inner surface of a container including flanges disposed along the edges of said members and at an angle thereto, said flanges being adapted for face-to-face engagement with the inner surface of the container.

2,362,355

AIR MIXER

Earl H. Collicutt, New York, N. Y.

Application July 12, 1941, Serial No. 402,091
7 Claims. (Cl. 98—40)



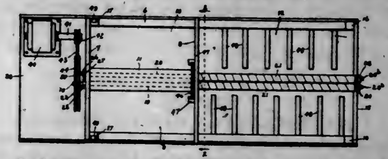
1. The method of re-conditioning the air of a room, which consists in conveying fresh air to a circular chamber having inlet and outlet areas at axially opposite ends and of gradually increasing circumference from the inlet area to the outlet area, imparting to the fresh air at the inlet area of the chamber a downward whirling movement along the wall of the chamber which creates within the chamber a circular air-flow of expanding diameter causing a low pressure area axially thereof, and thereby causing aspiration of room air into the low pressure area within the chamber, causing the room air so drawn into the low pressure area to be mixed within the chamber with the fresh air flow, and causing the mixed air due to the angular expanding movement of the air flow to be ejected laterally from and around the rim of the outlet plane of the chamber at a rate proportional to the velocity of the fresh air entering the inlet to the chamber.

2,362,356

FRUIT HUSKING MACHINE

James Bryant Crawford, Moline, Ill., assignor of one-half to L. O. Morford, Fort Dodge, Iowa

Application September 22, 1942, Serial No. 459,271
3 Claims. (Cl. 209—2)



1. A fruit wrapper husking machine, embodying a frame, a chute supported therein in an inclined position, and provided in its bottom with a longitudinal opening, a pair of closely spaced parallel rolls supported in said opening, means for rotating the rolls in opposite directions with the upper portions moving toward each other, one of said rolls having means permitting a yieldable movement thereof with relation to the other roll, to discharge wrappers between the rolls, and spirally disposed rubber wrappings on said rolls extending in a direction to retard the movement of wrapped oranges and the like being fed down the chute, and give a spinning movement thereto, and remove the wrappers from said fruit.

2,362,357

METHOD FOR TREATMENT OF SUGAR LIQUORS

Arthur B. Cummins, Millington, N. J., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York

No Drawing. Application August 20, 1941, Serial No. 407,671
5 Claims. (Cl. 127—55)

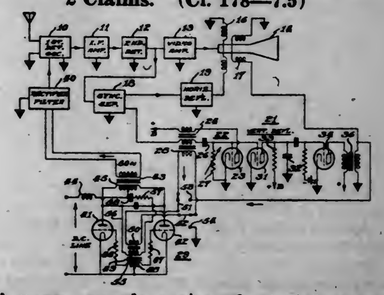
1. The process of treating sugar liquors to obtain simultaneous rapid filtration and substantial clarification of the liquor, which comprises passing the liquor through a filter containing particles of finely divided diatomaceous earth having a particle size classification of more than 27% coarser than 20 microns, more than 60% coarser than 10 microns, and less than 5% finer than 4 microns, and a substantially water insoluble metallic phosphate floc, the metallic phosphate floc being present in the amount of .002% to .05% expressed as P_2O_5, based on solids in the sugar liquor.

2,362,358

TELEVISION POWER SUPPLY

George M. Daly, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware

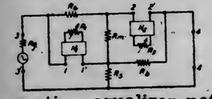
Application August 20, 1941, Serial No. 407,540
2 Claims. (Cl. 178—7.5)



1. A power supply system for a television receiver of the type wherein a cathode ray is de-

flected both horizontally and vertically to scan a screen area, said system comprising inverter means for changing direct current from a power line to alternating current, said inverter means including at least one grid controlled rectifier tube, and means for applying a synchronizing signal to said control grid to make the frequency of said alternating current occur in a fixed frequency relation with respect to said vertical deflection.

2,362,359
ATTENUATION REGULATOR
Sidney Darlington, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 7, 1942, Serial No. 461,171
5 Claims. (Cl. 178—44)

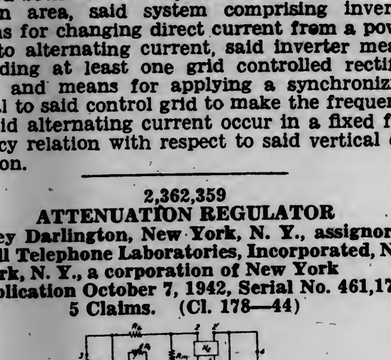


1. An attenuation equalizer network comprising at least three independent coupled meshes providing at least three degrees of freedom, two adjustable impedances having frequency dependent characteristics included in separate branches of said network, a signal source and a load included in two other branches of said network, the impedances of the several branches of said network being so proportioned with respect to each other that the insertion loss for transmission between the said source and said load is expressed by the equation

$$e^{(\theta-\theta_0)}=\frac{1+a_1x_1+a_2x_2+a_0x_1x_2}{a_0+a_2x_1+a_1x_2+x_1x_2}$$

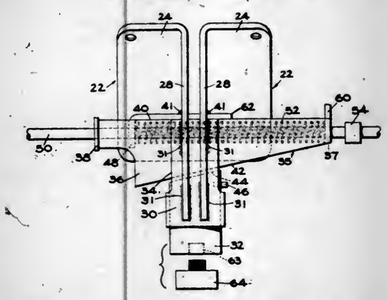
wherein a_1, a_2 and a_0 are coefficients dependent only on the fixed impedances of the network and are subject to the condition that a_0 is not equal to the product a_1a_2, e is the base of the Napierian logarithms, x_1 and x_2 are the ratios of the values of the adjustable impedances to assigned normal values, θ is the insertion loss of the system and θ_0 is the value of θ when the variable impedances are adjusted to their respective normal values.

2,362,360
AWNING FOR CHILDREN'S VEHICLES
Doris E. Davis, Coral Gables, Fla.
Application August 25, 1943, Serial No. 499,989
3 Claims. (Cl. 135—7.1)



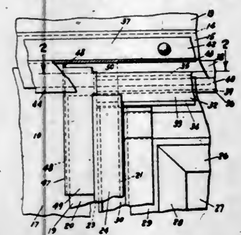
1. An awning support of the character described comprising a supporting rod, means for securing said rod on a child's vehicle, and a pair of bars mounted transversely on the supporting rod at longitudinally spaced points, and adapted for attaching an awning thereto.

2,362,361
AIRCRAFT
Loren Russell Davis, Newtown, Pa., assignor to Brewster Aeronautical Corporation, Hatboro, Pa.
Application December 17, 1943, Serial No. 514,631
10 Claims. (Cl. 89—1.5)



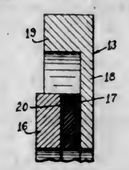
2. A bomb chock device comprising a sleeve adapted to be mounted to extend in the direction of the bomb to be chocked, a ram slidably mounted within said sleeve, a slide track carried by said sleeve, a wedge carried by said track to bear against said ram for displacing the latter relative to said sleeve in response to movements of said wedge in directions transverse to the direction of movement of said ram, and elastic force means coupled to said wedge to bias the latter toward ram projected position.

2,362,362
CAR DOOR CONSTRUCTION
Frank Ditchfield, Cleveland, Ohio, assignor to The Youngstown Steel Door Company, Cleveland, Ohio, a corporation of Ohio
Application August 26, 1943, Serial No. 500,077
8 Claims. (Cl. 20—26)



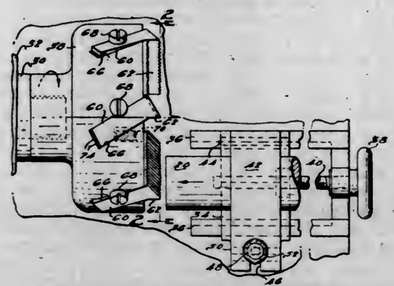
1. In a railway house car having a side wall formed with a door opening, a header having a flange secured to said wall, an outwardly extending flange and an upstanding flange, said flanges forming a trough, the front end of said trough being open, a front door stop secured to and along said wall adjacent to said door opening, said door stop terminating at said front end of said header, a door retainer secured to and along said car wall above said header, said retainer having a depending flange spaced outwardly of said header and lying above said door stop, and vertical closure means extending downwardly from the underside of said retainer a substantial distance below said header and cooperating with said wall, front stop and retainer to provide a spout communicating with the open end of said header, said means embodying an inwardly extending flange overlapping the end of said upstanding flange of said header and closing the space between said retainer flange and said upstanding header flange.

2,362,363
SEALING RING OR THE LIKE
Clinton M. Doede, Hamden, Conn., assignor to The Connecticut Hard Rubber Company, New Haven, Conn., a corporation of Connecticut
Application March 11, 1943, Serial No. 478,762
1 Claim. (Cl. 288—3)



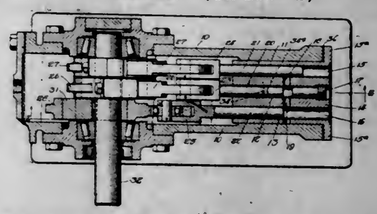
A unitary sealing ring for shafts comprising a deformable rubber ring portion, a relatively rigid ring portion bonded to one face of the first-named portion and a graphite ring portion bonded by vulcanization to the opposite face of said first-named portion, the face of said graphite portion which is bonded to said rubber ring portion having a metallic coating thereon, said ring portions having registering openings therethrough, and the diameter of the opening in said rubber ring portion being no greater than that of the other ring portions whereby pressure upon the outer ring portion expands said rubber portion inwardly beyond the outer portions to provide a seal against the shaft.

2,362,364
METHOD OF SERRATING METALLIC BODIES
Julius Dusevoir, Dearborn, Mich., assignor to Century Motors Corporation, Dearborn, Mich., a corporation of Michigan
Original application November 12, 1941, Serial No. 418,678, now Patent No. 2,317,262, dated April 20, 1943. Divided and this application July 6, 1942, Serial No. 449,885
3 Claims. (Cl. 90—11)



1. The method of forming curved serrations in a flat surface of each of two parts so that said parts may be arranged with said surfaces in abutting relationship and with the serrations thereon in accurately interfitting relationship, by means of a rotatable head provided with a cutter blade having a serrated cutting edge, comprising the steps of mounting one of said parts with said surface thereof in predetermined relationship with respect to the axis of rotation of said head and effecting relative feeding movement between said one of said parts and said head whereby to effect a machining of said surface thereof by said serrated cutting edge to form serrations on said surface, removing said one of said parts and replacing it by the other of said parts, shifting said cutter blade radially of the axis of rotation of said head by an amount sufficient to locate high points of the serrations of said cutting edge at the same radial distance from the axis of rotation of said head at which low points of said serrations were located when machining the first of said parts, then effecting relative movement between said other of said parts and said head whereby to machine said surface of said other of said parts by said cutting edge to form serrations thereon.

2,362,365
PUMP
Douglas N. Evans, Gary, Ind., assignor to Inland Steel Company, Chicago, Ill., a corporation of Delaware
Application February 4, 1943, Serial No. 474,635
4 Claims. (Cl. 103—2)



1. A pump having a pumping cylinder and a plurality of valve cylinders, ports connecting said valve cylinders with said pumping cylinder and serving alternatively as inlet and outlet openings from said valve cylinders, an alternative outlet or inlet opening for each of said valve cylinders, a supply of fluid to be pumped, a port through which said supply communicates with said pumping cylinder, a pumping piston in said pumping cylinder and controlling said last-referred-to port, pistons in said valve cylinders cooperating with said first-referred-to ports to control communication between said pumping cylinder and said valve cylinders, and reversible means for reciprocating said pistons in said cylinders, said ports being so positioned relative to the limits of the strokes of said pistons in their reciprocations that at no time will said valve cylinders be in communication with each other or with said second-named port in the operation of said means in either direction.

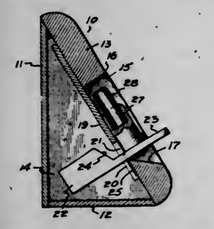
2,362,366
PULVERIZER ROTOR
John T. Fowler, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio
Application July 24, 1943, Serial No. 496,026
2 Claims. (Cl. 83—11)



1. A crusher rotor including end plates, a hammer supporting rod extending between said end plates and into an opening in at least one of said end plates, means removably holding said rod against outward movement relative to said one end plate including a ring mounted thereon and having a hole spaced to be aligned with said rod, said ring being rotatably adjustable to bring

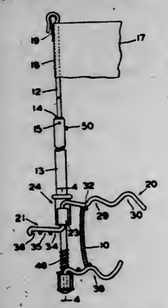
said hole into alignment with said rod and also rotatably adjustable to present an abutment for said rod, and means for holding said ring against rotation and on said end plate in rod abutting position, said means including a rotary locking key on said plate having a head adapted to extend into a recess in said ring when in one position of adjustment and having a removed portion adapted to provide for rotation of said ring when in another position.

2,362,367
LIPSTICK DISPLAY AND SAMPLE CABINET
Nathaniel H. Freeman, New York, N. Y., assignor to Helena Rubinstein, Inc., New York, N. Y., a corporation of New York
Application October 7, 1943, Serial No. 505,282
4 Claims. (Cl. 211—74)



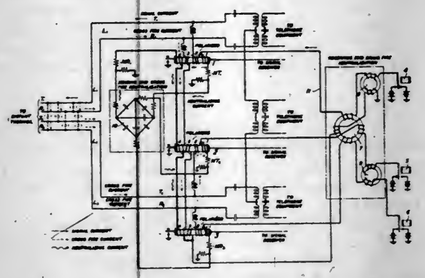
1. A lipstick display and sample cabinet, comprising a panel having a plurality of openings, each thereof being adapted to accommodate a lipstick sample, and a lipstick holder loosely pivoted in each opening comprising a key portion projecting through the opening and having a weight at its inner end and an upright cylindrical holder adjacent the outer end to receive and support a lipstick sample, the weighted end of the key causing the entire holder to tip normally in a position to bring the cylindrical holder within the opening.

2,362,368
FLAGSTAFF STRUCTURE
Albert B. Gardella, Cleveland, Ohio
Application December 18, 1941, Serial No. 423,464
3 Claims. (Cl. 248—226)



1. Clamping means for a flag staff structure or the like, comprising a tubular member for the support of the flag staff structure or the like, an upper carrier element having a socket in which the lower end of said tubular member is rigidly mounted, two upper oppositely extending clamping jaws rigidly carried by said upper carrier element at different levels, a rod-like member slidably mounted in said tubular member and having a portion projecting therebelow, a coiled compression spring located within said tubular member, the upper end of said spring engaging a fixed abutment of said rod-like member and the lower end of said spring being seated in the socket of said upper carrier element, a lower carrier element rotatably mounted on the projecting portion of said rod-like member, a lower clamping jaw rigidly carried by said lower carrier element, the rotatable mounting of said lower carrier element enabling the lower clamping jaw carried thereby to be located beneath either of said upper clamping jaws for clamping cooperation therewith, the compression of said spring when said lower clamping jaw is moved below a predetermined level with respect to the upper clamping jaw in alignment therewith enabling the two aligned jaws to be firmly and releasably clamped to an automobile bumper or other object.

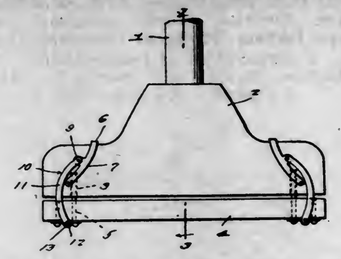
2,362,369
SIGNALING SYSTEM
Myron C. Goddard, Garden City, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 3, 1943, Serial No. 489,469
4 Claims. (Cl. 179—3)



1. In a duplex signaling system providing three independent duplex signaling channels and a ground potential compensating channel over four conductors, a multiwound polar relay at each end of and associated with each signaling channel, each relay having one winding in the respective signaling channel, a balancing winding therefor connected to a grounded impedance network simulating the characteristics of the respective channel, and a third winding in series with said compensating channel and ground, and means at each end of said channels for neutralizing the effect of sending end crossfire between any of said signaling channels and said compensating channel comprising a fourth winding on each relay serially connected between ground and a grounded impedance network simulating the characteristics of said compensating conductor and a condenser network interconnecting all four of said impedance networks.

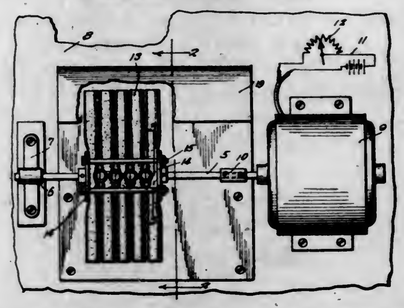
2,362,370
MOP HOLDER
Rineholdt C. Gritzmaker and Raymond C. Reed, Waynesville, Mo.
Application September 14, 1943, Serial No. 502,336
3 Claims. (Cl. 15—152)

1. A mop holder comprising a handle, an elongated head on one end portion of said handle, a bar disposed beneath and cooperable with the head for clamping mop material therebetween, substantially U-shaped levers straddling the ends of said head and having their ends pivoted to opposite sides of the head, and pairs of toggles mounted for swinging movement on and at opposite sides of the ends of the bar and pivotally connected to the leg portions of the levers inter-



mediate the ends of said leg portions, whereby swinging of said levers toward each other will cause movement of said bar toward said head.

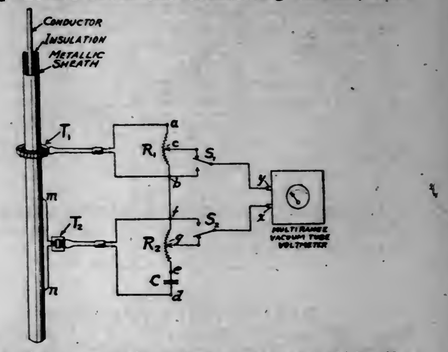
2,362,371
MECHANICAL FOWL OR POULTRY PICKER
Louis Philip Haist, Trenton, N. J.
Application September 4, 1942, Serial No. 457,335
4 Claims. (Cl. 17—11.1)



1. In a de-feathering device, a power driven horizontally arranged shaft, means rotatably supporting said shaft, groups of elongated, flexible, cylindrical elements apertured intermediate the ends thereof to receive said shaft, and means securing the elements in groups with one group of elements arranged at substantially right angles to the other group of elements.

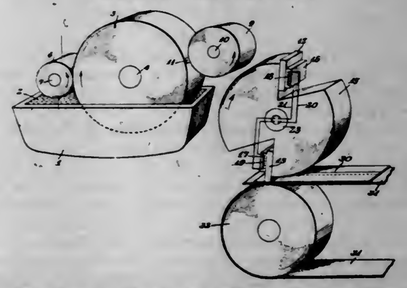
2,362,372
APPARATUS FOR MEASURING ALTERNATING CURRENT IN THE CONDUCTORS AND/OR IN THE SHEATHS OF ELECTRIC CABLES
Edward S. Halfmann, Philadelphia, Pa.
Application January 23, 1942, Serial No. 427,934
3 Claims. (Cl. 171—95)

1. In combination with two electric conductors in close proximity with and insulated from each other, one of which may surround the other or one may serve as a protecting sheath for the other, an apparatus for measuring the current flow in either of the conductors exclusive of the current flow in the other conductor, said apparatus comprising a pick-up device inductively coupled to both said conductors and having a fixed resistance burden, a second pick-up device consisting in a transformer having a fixed secondary impedance burden and having primary leads provided with prods for application to one of the said conductors, a combining circuit which adds vectorially the voltage drop across a portion of the resistance burden of said first pick-up device to the voltage drop across a portion of the impedance burden of the second pick-up device, switches for removing the output of either pick-up device from the combining circuit, and



a potential measuring device connected to the output of said combining circuit by said switches in such manner that the current in either of the said conductors is indicated.

2,362,373
METHOD FOR APPLYING ADHESIVE TO WAX COATED PAPER
Harold E. Hallman, Catonsville, Md.
Original application August 27, 1938, Serial No. 227,115. Divided and this application April 14, 1941, Serial No. 388,416
3 Claims. (Cl. 154—40)

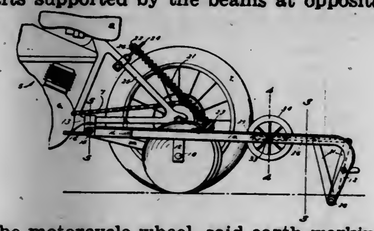


1. In the method of adhesively uniting wax coated paper in which the paper has a thin coating of wax on one side and a thicker coating of wax on the other side, the steps which comprise applying an adhesive to the thicker coating of wax on the paper and simultaneously heating the applied adhesive so that the wax coating melts and the adhesive strikes through to the paper, and applying a wax coated paper on the heated adhesive to join said second mentioned wax coated paper to said first mentioned wax coated paper.

2,362,374
CULTIVATING AND WEEDING ATTACHMENT FOR MOTORCYCLES
George Quirrine Heppner, Oldenburg, Ind.
Application December 23, 1943, Serial No. 515,438
4 Claims. (Cl. 97—35)

1. In a cultivating and weeding attachment for motorcycles, a frame including spaced beams having downwardly directed rear ends, and means to secure the forward end of the frame to the rear fork of a motorcycle with the rear driving and supporting wheel of the motorcycle received centrally between the beams, and earth working elements within the frame and supported by the

beams, inwardly and rearwardly extending stub shafts supported by the beams at opposite sides



of the motorcycle wheel, said earth working elements comprising gangs of cultivator discs mounted on said stub axles.

2,362,375
DYEING VINYL POLYMERS
Karl Heymann, Meadville, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 15, 1940, Serial No. 319,019
16 Claims. (Cl. 8—55)

1. A method of dyeing yarns and other shapes comprising vinyl polymers, comprising the step of treating the yarn or shape with an aqueous dye bath containing a suspension dyestuff, in the presence of an organic compound selected from the group consisting of 2.4-dichloroaniline, 2.5-dichloroaniline, α-naphthylamine, β-naphthylamine, phenyl-α-naphthylamine, phenyl-β-naphthylamine, o-aminodiphenyl and p-aminodiphenyl.

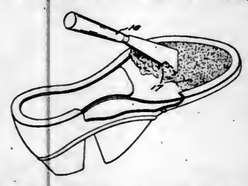
2,362,376
DYEING VINYL POLYMERS
Karl Heymann, Meadville, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 7, 1940, Serial No. 322,843
16 Claims. (Cl. 8—55)

1. A method of dyeing yarns and other shapes comprising vinyl polymers, comprising the step of treating the yarn or shape with an aqueous dye bath containing a suspension dyestuff, in the presence of a water-insoluble, normally solid organic compound selected from the group consisting of dibenzyl succinate, methyl-p-bromobenzoate, diphenyl phthalate, β-naphthyl acetate, phenyl glycine ethyl-ester, diphenyl carbonate, di-o-cresyl carbonate, 2,4,6 tri-bromophenyl acetate, α-naphthyl acetate, o-diphenyl acetate, ethylene dibenzoate, glycerol tribenzoate, dicyclohexyl phthalate, dibenzyl phthalate, phenyl benzoate, m-cresyl benzoate and p-cresyl benzoate.

2,362,377
DYEING VINYL POLYMERS
Karl Heymann, Meadville, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 7, 1940, Serial No. 322,845
16 Claims. (Cl. 8—55)

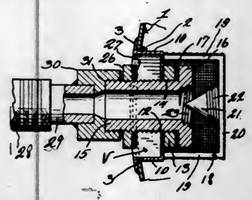
1. A method of dyeing yarns and other shapes comprising vinyl polymers, comprising the step of treating the yarn or shape with an aqueous dye bath containing a suspension dyestuff, in the presence of an organic compound selected from the group consisting of β,β′-diphenoxydiethyl-ether, p-methoxy-diphenyl, benzyl-α-naphthyl-ether, β-naphthylmethylether and p-methoxy-benzophenone.

2,362,378
FILLING MIXTURE FOR SHOE BOTTOMS
Ralph A. Holbrook, Beacon Falls, and Willis O. Hooker, Shelton, Conn., assignors to The Sponge Rubber Products Company, Shelton, Conn., a corporation of Connecticut
Application May 23, 1940, Serial No. 336,762
5 Claims. (Cl. 260—755)



1. A shoe filler comprising particles of shredded sponge rubber mixed with sufficient resinous binder yieldably to bond the sponge rubber particles at only their points of contact, and an oil in quantity sufficient to coat the sponge rubber particles and wet the resinous binder.

2,362,379
DRAINING VALVE FOR DRUM RECEPTACLES
Alpha O. Holveck, Victoria, Tex.
Continuation of application Serial No. 441,837, May 5, 1942. This application December 2, 1943, Serial No. 512,648
4 Claims. (Cl. 222—189)



1. Drainage means for a receptacle, comprising means forming a portion of a wall of the receptacle and having a threaded opening leading into the receptacle, a tubular sleeve exteriorly threaded through the major portion of its length and engaged in said threaded opening to be shifted axially into and out of the receptacle, a collar upon the inner end of the sleeve adapted to move into opposed relation with said wall forming means, a gasket encircling the sleeve between the collar and the wall forming means, a locking nut threaded upon the sleeve at the outer side of the wall forming means, a gasket encircling the sleeve between the locking nut and the said wall forming means, and a tapered plug supported within the receptacle coaxial with the sleeve in position to enter the inner end of the sleeve when the latter is threaded inwardly a predetermined distance, to close the sleeve.

2,362,380
SKI
Anders Gustav Källström, Oskarshamn, and Alvar Eskil Petrus Kjellström, Stockholm, Sweden
Application April 5, 1943, Serial No. 481,826
In Sweden May 2, 1942
11 Claims. (Cl. 280—11.13)

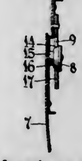
1. A ski, comprising a ski body consisting of at least one layer of wood, a stiffening member consisting of at least one layer of wood, said stiffening member being bent to a channel-shaped

cross-sectional form and being glued to the upper side of said ski body, a plane foot-plate of wood, said foot-plate being formed by a portion



of said stiffening member, and a wooden strengthening piece, said strengthening piece being inserted into the space between said stiffening member and said ski beneath said foot-plate.

2,362,381
AIRCRAFT COWLING CONSTRUCTION
William F. Lawry, Jr., Elkins Park, Pa., assignor to Brewster Aeronautical Corporation, Johnsville, Pa.
Application October 20, 1942, Serial No. 462,718
9 Claims. (Cl. 244—130)



1. In an aircraft having a body portion with an engine compartment, a cowling for encircling the body portion for closing such a compartment, said cowling comprising plural sections, the joint between two adjacent sections comprising separable fasteners consisting of headed studs carried by one section engaging in recesses in an overlapping part on the other section, the under side of each head formed with a beveled seat on which the recess defining edge will ride to adjust the edge portions of the two sections relative to each other for bringing their outer surfaces flush, and means acting in tension on such sections for effecting relative movement therebetween whereby the recess defining edge will so ride down each beveled seat to effect such flushing action.

2,362,382
RESPIRATOR
William H. Lehmberg, Dudley, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application June 30, 1941, Serial No. 400,457
4 Claims. (Cl. 128—146)



1. In a respirator, means for detachably connecting a cup-like shield member to a filter sup-

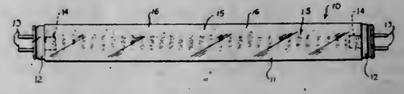
porting base member, said means comprising a wall portion of resilient material on one of said members, said wall portion having a plate-like link portion of relatively rigid material secured thereto with the inner surface of said plate-like portion having a portion in adjacent spaced relation with a side surface of said wall portion of resilient material and tongue-like means on the other of said members having an end portion of increased thickness, which thickness is greater than the width of the space between said adjacent surfaces, adapted to be extended inwardly between said surfaces and to be held in binding relation with an edge of said plate-like member through a binding pressure introduced by the resiliency of said resilient wall portion.

2,362,383
FLEXIBLE JOINT
Louise Lendinara, New York, N. Y.
Application September 18, 1942, Serial No. 458,915
2 Claims. (Cl. 287—1)



1. A flexible joint of the character described comprising two terminal and a plurality of intermediate sections in axial alignment, each terminal section having at one end a longitudinally projecting ear with a rounded extremity and a rounded shoulder of similar curvature at its base, the ears and shoulders of the two terminal sections being oppositely directed and disposed at acute angles to one another respectively, the intermediate sections each having a similar longitudinally projecting ear and shoulder at both ends with the ear and shoulder at one end disposed at acute angles to those at the other end, the ears of adjacent sections being in frictional facial contact with each other to maintain said sections in adjusted angular positions, pivot pins extending transversely through the ears of the several sections, and securing bolts extending perpendicularly from the two terminal sections, said joint as a whole being rotatable about said bolts as an axis.

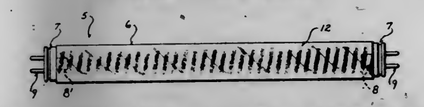
2,362,384
COMBINED ILLUMINATING AND GERMICIDAL LAMP AND METHOD OF MAKING THE SAME
Jules L. Libby, Elgin, Ill.
Application March 30, 1942, Serial No. 436,752
1 Claim. (Cl. 176—122)



In a combined germicidal and illuminating lamp: a single glass envelope constituting the sole enclosure of the lamp and through which ultraviolet radiations in the bactericidal band of the ultraviolet portion of the spectrum may pass; means at low pressure within the envelope for producing ultraviolet bactericidal radiations; and a sprial band of fluorescent material on the in-

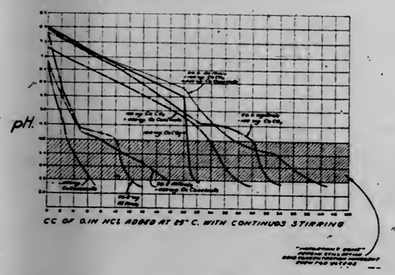
terior surface of the glass envelope covering an area less than the total area of the envelope and extending substantially from one end of the envelope to the other, the pitch and width of the spiral band being such as to leave a spiral band of clear glass substantially no greater in area than half the total area of the envelope, whereby the lamp radiates luminous and bactericidal energy through said single envelope.

2,362,385
GERMICIDAL LAMP
Jules L. Libby, Elgin, Ill.
Application November 13, 1942, Serial No. 465,469
1 Claim. (Cl. 176—122)



In a combination germicidal and illuminating lamp of the type which generates ultraviolet radiations, an envelope for the lamp comprising: a glass tube of special glass transparent to ultraviolet radiations having wave lengths above 1800 A. U., said envelope being capable of transmitting in excess of 80% of the 2537 A. U. radiations generated at the source; and a fluorescent surface coating on a sufficient area of said envelope to leave approximately 33⅓% to 40% clear glass area, for largely nullifying the ozone forming tendency of the radiations from the source having wave lengths below 2000 A. U., said fluorescent surface coating permitting transmission of ultraviolet radiations by the tube of between 2000 and 2900 A. U. and through excitation by the 2537 A. U. radiations thereof producing visible radiations for illuminating purposes.

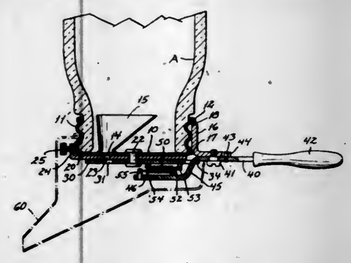
2,362,386
ANTIACID COMPOSITIONS
Werner L. Lipschitz, Pearl River, N. Y., assignor to Lederle Laboratories, Inc., New York, N. Y., a corporation of Delaware
Application August 16, 1941, Serial No. 407,228
3 Claims. (Cl. 167—55)



2. An anti-acid composition comprising a mixture of which the essential components thereof consist of a major proportion of calcium caseinate and a minor proportion of calcium carbonate.

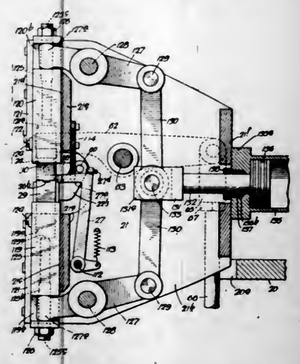
2,362,387
SEED PLANTER
Joseph V. Ludwig, Cleveland, Ohio
Application May 30, 1942, Serial No. 445,218
14 Claims. (Cl. 222—498)

1. In a device of the character described, the combination of a cap adapted to be mounted on a container as a closure therefor and having an opening through it, a pivot pin carried by the cap, a gate mounted on the pivot pin having an opening adapted to register with the opening in the cap or extend to either side thereof, a lever



pivotally mounted on the cap, and a spring link anchored at one end to the gate and anchored at the other end to the free end of the lever, such free end having a movement across a straight line passing through the pivotal axis and the anchorage of the spring to the gate.

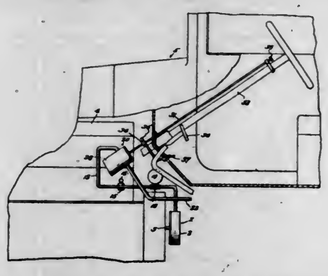
2,362,388
METHOD OF AND APPARATUS FOR WELDING
Chester M. MacChesney and William Schroeder, Chicago, Ill., assignors to Acme Steel Company, Chicago, Ill., a corporation of Illinois
Application September 19, 1941, Serial No. 411,474
19 Claims. (Cl. 219—4)



1. The method of uniting metal strips, which consists in placing the oppositely directed ends of the strips in overlapping relation in substantially parallel planes, heating the overlapping ends throughout their width to a forging temperature, and then applying a forging pressure to said ends transversely to said planes while confining the metal of said overlapping ends against lateral flow beyond the initial width of said strips at the place of overlap.

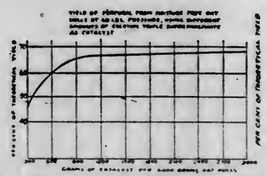
17. The combination in apparatus of the class described, of means for holding two metal strips with their oppositely directed ends overlapping in parallel planes, means for heating said overlapping ends throughout their width, means for applying a forging pressure to said overlapping ends while they are heated, and means for confining the metal of the overlapping ends against flow transversely of said strips beyond the initial width of said strips during the application of said pressure.

2,362,389
FLUID TRANSMISSION AND DRIVE
Charles A. Martin, Tupelo, Miss., assignor of one-half to Agrippa Kellum Long, Tupelo, Miss.
Application November 12, 1941, Serial No. 418,837
1 Claim. (Cl. 60—53)



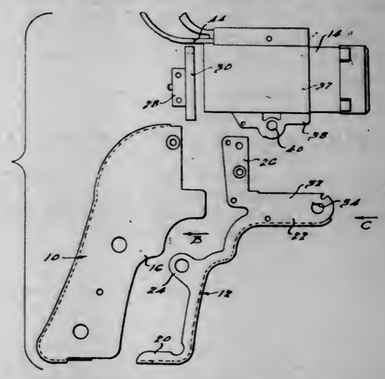
In a fluid transmission of the type including a pump, pipes connected to opposite sides of the pump, a rotor, and pipes connected to opposite sides of said rotor, a multiway valve, said pipes connected to the valve, said valve comprising a cylindrical casing, a core mounted for rotating and reciprocating adjustment in the casing, said core, upon rotary adjustment thereof, comprising means for selectively connecting the first and second-named pipes and further comprising, upon reciprocatory adjustment thereof, means for disconnecting said first and second-named pipes and connecting said first-named pipes, said core being movable to its slidably adjusted position directly from any of its rotatably adjusted positions, a coil spring in the casing for returning the core to its rotatably adjusted positions, a shaft connected to the core for rotating same, and a foot pedal operatively connected to the shaft for actuating the core against the tension of the spring.

2,362,390
MANUFACTURE OF FURFURAL AND FERTILIZER
Harvey C. Millar, Western Springs, Ill., assignor to The Quaker Oats Company, Chicago, Ill., a corporation of New Jersey
Application August 3, 1940, Serial No. 350,336
24 Claims. (Cl. 71—25)



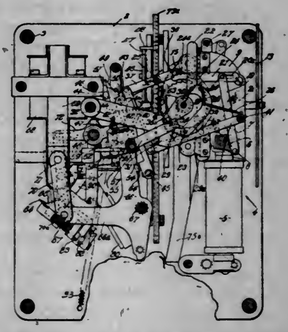
1. In the manufacture of furfural by a process involving the catalytic hydrolysis of pentosan-containing material to pentoses and the dehydration of the resulting pentoses to furfural, and the simultaneous production of a residual product capable of use as a fertilizer, the improvement which comprises the carrying out of the said reaction in the presence of not substantially less than about 10% of a calcium phosphate having an acidic reaction in the reaction mass, the said amount of calcium phosphate being calculated on the basis of the dry weight of the pentosan-containing material and sufficient to render said residual product valuable as a fertilizer.

2,362,391
FLARE PISTOL
Herbert E. Mills, Detroit, Mich., assignor to Eureka Vacuum Cleaner Company, Detroit, Mich., a corporation of Michigan
Application April 12, 1943, Serial No. 482,786
3 Claims. (Cl. 42—40)



1. A pistol including a handle, a main frame and a barrel, said handle comprising a channel shaped member having spaced and parallel side flanges, said main frame comprising a channel shaped member having spaced and parallel side flanges, the flanges of one of said members being received between the side flanges of the other of said members and cooperating therewith to define a housing for enclosing and supporting firing mechanism for the pistol, said main frame being formed with an upwardly extending portion and a forwardly extending portion projecting forwardly of said upwardly extending portion, a breech block supported by said upwardly extending portion and said barrel being connected to and supported by said forwardly extending portion and having its breech end positioned in operative relationship with said breech block.

2,362,392
TIMING MECHANISM
Joseph William Molden and Arthur Booth Webber, Westminster, England, assignors to The British Vacuum Cleaner & Engineering Company Limited, Leatherhead, Surrey, England, a British company
Application July 18, 1939, Serial No. 285,184
In Great Britain July 23, 1938
7 Claims. (Cl. 234—2)



1. In a time recording mechanism for printing

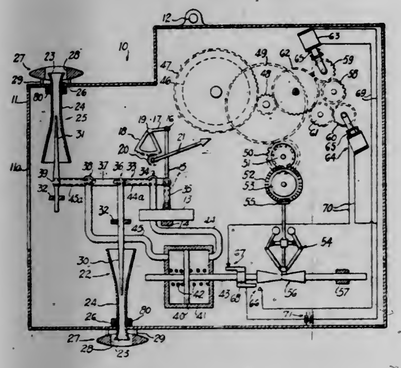
elapsed time upon a card, a printing device actuator; a solenoid for operating said actuator and having a primary circuit containing a switch; a second solenoid for closing said switch and having a secondary circuit containing a second switch; means automatically actuated by inserting a card in the machine for closing said second switch, so as to cause said second solenoid to close said first switch and effect operation of said first solenoid; and means, actuated by said first solenoid, for opening said first and second switches.

2,362,393

ALTIMETER FOR OBTAINING ACTUAL ALTITUDE OF AIRCRAFT

William Naida, New York, N. Y., assignor of one-half to Emilio Varrone, Brooklyn, N. Y.

Application October 28, 1942, Serial No. 463,715
4 Claims. (Cl. 73—387)



4. A device for indicating dynamic energy in a stream of air including a pair of units, each unit comprising a Venturi tube and a Pitot tube having its pointed end concentric with the Venturi tube and extending into the expansion cone of the latter with its pointed end directed toward the throat of the Venturi tube, and being axially movable relatively thereto, the units being so arranged relatively to each other that the pointed ends of the Pitot tubes extend in opposite directions, an aneroid, means whereby the aneroid causes movement in opposite directions of the Pitot tubes, and an indicator responsive to the differential of the air pressures in the Pitot tubes.

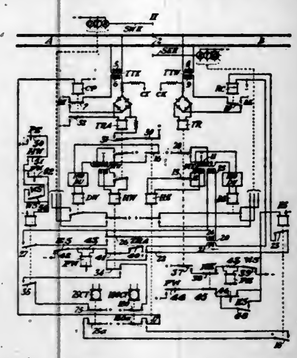
2,362,394

RAILWAY SIGNAL SYSTEM

Frank H. Nicholson, Penn Township, Allegheny County, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application March 8, 1941, Serial No. 382,431
12 Claims. (Cl. 246—33)

1. Track circuit apparatus for use with a section of railway track supplied at one end thereof with track circuit energy coded at one or another of a plurality of code rates, comprising the combination with a code following track relay and a code repeating device normally effective to couple said relay to the rails at the opposite end of said section and effective when operated to uncouple said relay from the rails and couple a source of current to such rails, a decoding transformer having a primary winding supplied with energy over contacts of said track relay for inducing in the secondary windings of said transformer alternating electromotive forces having a frequency corresponding to the rate of operation of said track relay, of a code detecting relay energized from a secondary winding of said transformer for detecting a code following operation of said track



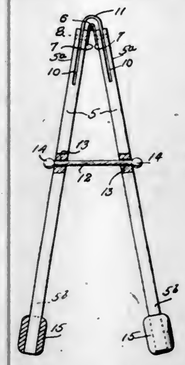
relay, and means controlled by said code detecting relay for at times operating said code repeating device by energy induced in another secondary winding of said transformer and at other times operating said device by coded energy from another source.

2,362,395

PLATE AND RECEPTACLE LIFTER

Antoni Ozdobinski, Crum Lynne, Pa.

Application January 7, 1944, Serial No. 517,416
3 Claims. (Cl. 294—99)



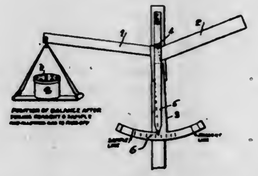
1. In a lifting device of the character described, a pair of elongated arms, a hinge having a pair of lateral butts with the butts respectively secured to the inner sides of a pair of corresponding ends of the arms, the hingedly connected ends of the arms being bifurcated, a leaf spring of substantially U-shape with the side legs thereof respectively located between the furcations of an arm and retained therein by the hinge butt securing means, the arms having alined openings therein intermediate the ends, a flexible cord extending through the opening in each arm and headed at its extended ends to provide arm engaging abutments for limiting separating movements of the free ends of the arms and a work-engaging head at the free end of each arm.

2,362,396

METHOD FOR DETERMINING MOISTURE IN FORAGES AND GRAINS

Robert Quinn Parks, Columbus, Ohio, assignor to The Ohio State University Research Foundation, Columbus, Ohio, a corporation of Ohio

Application December 16, 1940, Serial No. 370,334
1 Claim. (Cl. 23—230)



In the art of determining the moisture content of stalky forage material in the raw state having lengths of approximately one-half inch and having a natural protective surface covering, which method consists in weighing a sample of the said material, weighing a chemical reagent capable of reacting with water and moisture in an amount largely in excess of the amount required to consume the amount of moisture estimated to be present in the material, mixing said reagent with the material sample, whereupon the moisture on the surface covering of the material will react with the reagent, allowing the mixture to stand for a sufficient time to permit the reaction between the surface covering moisture and the reagent to generate sufficient heat to penetrate the surface covering and vaporize substantially all the moisture in the interior tissues of the material sample and the inner tissue moisture as thus vaporized and forced out of the material to mix and react with the excess of the reagent, and subsequently weighing the material and any excess reagent whereby the original moisture content of the material may be determined.

2,362,397

PROCESS OF COATING METALS

William T. Pearce, Lower Merion Township, Montgomery County, Pa., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application June 17, 1942, Serial No. 447,451
6 Claims. (Cl. 117—49)

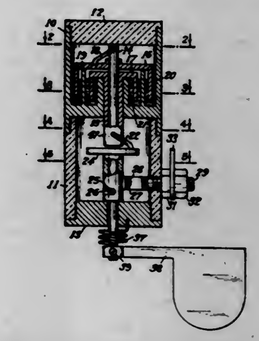
1. The process of applying to metal a uniform, resinous, non-waxlike, protective coating of a thickness of at least four mils which comprises heating a resinous coating composition containing a member of the group consisting of polymeric vinyl halides, polymeric vinyl esters, and polymeric esters which in the monomeric form had the general formula $CH_2{=}CRCOOR'$ in which R is a member of the class consisting of hydrogen and alkyl groups and R' is an alkyl group, to a temperature between about 150° F. and the point of ebullition until the coating composition has a viscosity below about 3 poises, heating a metal to approximately the temperature of the coating composition, coating said hot metal with said heated coating composition of viscosity below 3 poises, allowing the thus coated material to remain in air until the coating is set, and heating said coated metal at a temperature below the ebullition point of said coating until the coating is freed substantially of volatile components.

2,362,398

THERMALLY RESPONSIVE DEVICE

Ralph R. Pittman, Pine Bluff, Ark.

Application August 1, 1942, Serial No. 453,297
5 Claims. (Cl. 116—114.5)



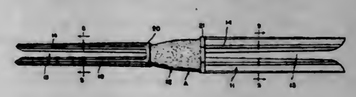
3. A temperature indicator comprising a hollow tubular chamber, a concentrically disposed partition within said chamber arranged to provide inner and outer annular channels extending within said tubular chamber in concentric relationship one to the other, inner and outer retaining members extending downwardly respectively into said inner and outer channels, a rotatable shaft associated with said retaining members and movable sequentially from a normal position to a first indicating position and thence to a second indicating position, ratchet means connecting said outer retaining member to said shaft so as to cause movement therewith in response to rotation of said shaft in only one direction, and detent means operatively connecting said shaft to the inner retaining member following a predetermined movement of said shaft in said one direction, fusible materials differening as to melting point disposed respectively in said channels in engagement with and normally restraining movement of said retaining members when said fusible materials are unfused, and individually releasing each of said retaining members when the material with which it is engaged fuses, means responsive to the sequential fusing of said fusible materials for rotating said shaft sequentially from said normal position to said first position and thence to said second position, and a visible indicator movable with said shaft for respectively indicating the positions thereof.

2,362,399

HAIR CURLER

Robert T. Plate, Detroit, Mich., assignor, by mesne assignments, to Robert T. Plate, doing business as Curly Lox Products, Detroit, Mich.

Application March 8, 1943, Serial No. 478,413
1 Claim. (Cl. 132—33)



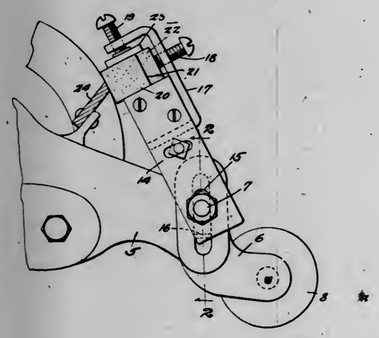
A one piece hair curler comprising an elongated body portion provided with an exterior surface to be gripped by the fingers of an operator, said body portion being provided at its opposite ends with tubular endwise extensions, each

tubular extension being provided throughout its length at substantially diametrically opposite sides thereof with relatively narrow longitudinally extending slots for the reception of hair to be curled, said slots opening outwardly through the free ends of said tubular extensions to facilitate insertion of hair into the slots, at least one of said tubular extensions being provided at its inner end adjacent the elongated body with a polygonal flange of greater cross sectional area than the body for non-rolling engagement with a supporting surface for the curler, the tubular extension aforesaid having the polygonal flange being provided upon its exterior from said flange to its outer free end with circumferentially spaced longitudinally extending ribs for non-slip engagement with the hand of the operator, said ribs being tapered from the flange to the outer free ends of the tubular extension to facilitate the removal of the curler from lightly wound hair thereon.

2,362,400

LAWN MOWER SHARPENER

Wilbert I. Randle, Cockeysville, Md.
Application March 15, 1943, Serial No. 479,261
3 Claims. (Cl. 51—250)



1. In a lawn mower rotary blade sharpener, a supporting bar embodying a pair of sections, a bracket secured to one of the respective ends of each section, the opposite ends of the sections being cut away providing offset portions adapted to overlap, a bolt extending through the overlapped ends of the sections and adapted to secure the sections in adjusted relation with respect to each other, bolts adapted to extend through the brackets, securing the sections in position on a lawn mower, an abrading bar adapted to be positioned on the supporting bar, and brackets adapted to clamp the abrading bar to said supporting bar.

2,362,401

DETERGENT COMPOSITIONS

Joseph S. Reichert, Samuel A. McNeight, and Arthur A. Elston, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 22, 1941, Serial No. 411,884
7 Claims. (Cl. 252—97)

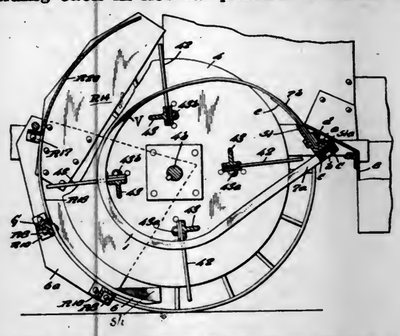
1. A dry stable detergent composition which yields in aqueous solution an oxidizing agent of high activity, said composition comprising a solid inorganic peroxygen compound, an organic acid anhydride, and a solid detergent.

2,362,402

STONE PICKING MACHINE

Otis F. Reiter, Baltimore, Md., assignor to Fastpic Corporation, Baltimore, Md., a corporation of Maryland
Application May 19, 1942, Serial No. 443,619
7 Claims. (Cl. 55—17)

1. In apparatus of the class described, a reel carrying four rock shafts journalled thereon and having stone picking arms, said rock shafts being spaced apart at points ninety degrees from each other, bell crank levers mounted on said rock shafts and each bell crank having arms substantially at right angles to each other, helical springs extending each in normal position with its axis

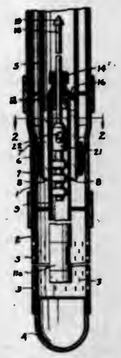


coinciding with a line passing through the axial centers of two of the bell crank levers, said springs being connected at their ends to the arms of the bell crank levers, and forming in normal position a substantially quadrangular assembly, said springs restoring the bell crank shafts to and arresting them at said normal position.

2,362,403

MEANS FOR CLEANING WELL SCREENS

John M. Reynolds, Shreveport, La., assignor to Orpha E. Reynolds, Shreveport, La.
Application September 22, 1941, Serial No. 411,810
2 Claims. (Cl. 166—20)

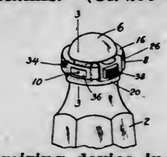


1. A device of the character described for cleaning a screen connected to the lower end of a tubing in a well comprising a pipe in the tubing, a packer on the pipe forming a seal between the pipe and the tubing, a pump in the pipe arranged to remove liquid from within the tubing beneath the packer and discharge it into the tubing exteriorly of the pipe and above the packer to reduce hydrostatic pressure in the screen caused by liquid in the pipe, said pipe having a passage leading from above the pump into the screen beneath the pump and whereby liquid may be introduced from the pipe into the tubing to raise the hydrostatic pressure in the screen.

2,362,404

SEALING DEVICE FOR DISPENSERS

Le Roy P. Root, Brooklyn, N. Y., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application October 11, 1940, Serial No. 360,739
9 Claims. (Cl. 299—97)



1. In an atomizing device including a receptacle, a bulb and means actuated by said bulb for discharging material from said receptacle, the combination of a retaining band engaging said receptacle and bulb and encircling the same to hold said bulb in place with respect to said receptacle, said band being formed with a discharge opening through which the contents of said receptacle may be discharged by said means, spaced rails formed on said band and located on opposite sides of said opening and a sealing device slidably movable along said rails into and out of position to seal said opening.

2,362,405

METHOD OF PRODUCING DEGRADATION PRODUCTS OF CERTAIN STEROID COMPOUNDS

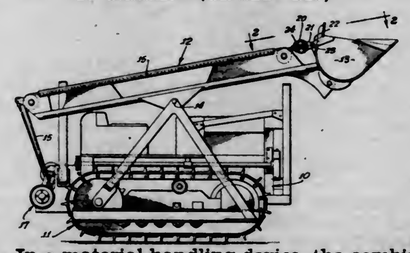
Jacob Rosin, New York, N. Y.
No Drawing. Application April 18, 1944, Serial No. 531,652
10 Claims. (Cl. 260—397.3)

1. The method of producing degradation products of steroid compounds having an aliphatic side chain at the 17-position which comprises forming and isolating chromium oxychloride compounds of such steroids by subjecting such steroids to the action of chromium oxychloride vapors and thereafter decomposing these compounds of such steroids into steroid degradation products and chromium compounds.

2,362,406

MATERIAL HANDLING APPARATUS

William Ruddock, South Pasadena, Calif., assignor of one-half to Marion P. McCaffrey, Los Angeles, Calif.
Application November 10, 1941, Serial No. 418,557
18 Claims. (Cl. 214—140)

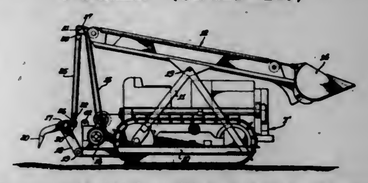


1. In a material handling device, the combination of a material engaging element and arm assembly mounted for movement to raise said element, a mechanism for applying forces to said assembly at spaced points thereon to raise said element, means for equalizing said forces, said mechanism including yielding means positioned between said points permitting resilient movement of said assembly.

2,362,407

EXCAVATING APPARATUS

William Ruddock, South Pasadena, Calif., assignor of one-half to Marion P. McCaffrey, Los Angeles, Calif.
Application October 24, 1942, Serial No. 463,227
9 Claims. (Cl. 214—140)



1. In a material handling apparatus comprising a frame supported for movement over the ground, an arm mounted on said frame for movement in a substantially vertical plane, and means for moving said arm; earth engaging means, means supporting said earth engaging means for movement toward and away from the earth, and means optionally connecting said arm to said supporting means to move said earth engaging means into earth engaging position upon movement of said arm.

2,362,408

LACTONES OF THE CYCLOPENTANO-POLYHYDRO-PHENANTHRENE SERIES AND PROCESS OF MAKING SAME

Leopold Ruzicka, Zurich, Switzerland, assignor to Ciba Pharmaceutical Products, Inc., Summit, N. J., a corporation
No Drawing. Application May 20, 1942, Serial No. 443,838. In Switzerland June 14, 1941
14 Claims. (Cl. 260—239.5)

1. α-Pyrones which are substituted in α'-position by a radical containing the cyclopentanopolyhydro-phenanthrene ring structure, the other carbon atoms of the pyrone ring, insofar as they do not bear oxygen, carrying a member of the group consisting of hydrogen and a hydrocarbon radical.

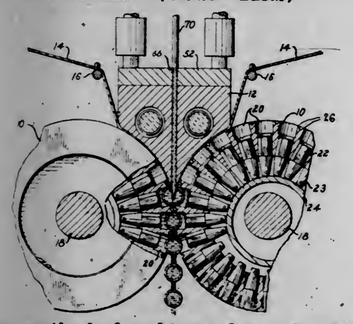
2,362,409

REAGENT FOR SOFTENING WATER AND THE FLOCCULATION OF SUSPENDED SOLIDS THEREIN

John Oswald Samuel, Swansea, Wales, assignor to Unifloc Reagents Limited, Swansea, Wales, a British company
No Drawing. Application February 20, 1940, Serial No. 319,983. In Great Britain February 23, 1939
4 Claims. (Cl. 252—181)

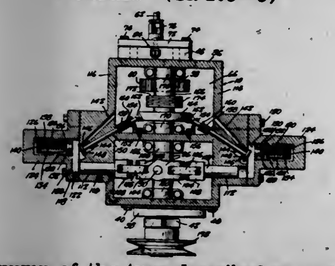
1. A process for the preparation of a reagent which when used in conjunction with lime and/or soda ash facilitates the softening of water and the flocculation of solids suspended therein, which process comprises reacting together substantially equal amounts by weight of aluminium sulphate ($Al_2(SO_4)_3.12H_2O$) and an alkali metal hydroxide at a temperature not exceeding 140° C., cooling the reaction mixture to 30° to 60° C. and incorporating in the reaction mixture dry starch in amount by weight substantially one-half that of the aluminium sulphate.

2,362,410
METHOD OF MAKING FEEDER HEADS
Robert P. Scherer, Detroit, Mich., assignor, by mesne assignments, to Gelatin Products Corporation, Detroit, Mich., a corporation of Michigan
Original application December 5, 1939, Serial No. 307,666. Divided and this application December 26, 1941, Serial No. 424,479
4 Claims. (Cl. 29—148.2)



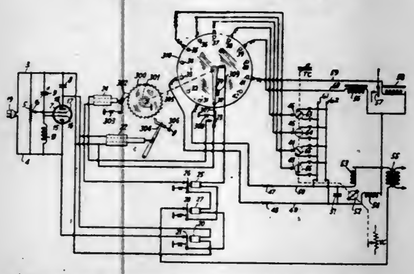
1. The method of making a feeder head which comprises shaping a metal block to provide converging side walls terminating in an apex, providing a passageway through the block opening out through the apex and the opposite sides thereof, widening the opening of the passage at the apex end linearly of the apex, extending a tube through said passageway with a portion thereof projecting beyond the sides at the apex of the block, inserting a thin shim in the apex end of the tube extending in alignment with the apex, flattening the apex end of the tube upon the shim to form a narrow tubular slit extending in alignment with the apex of the block and withdrawing the shim.

2,362,411
PUMP
Max O. Schreiter, Peoria, Ill.
Application May 6, 1943, Serial No. 485,909
7 Claims. (Cl. 103—5)



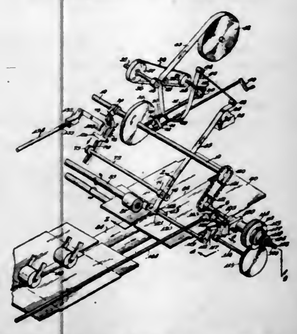
1. A pump of the type described comprising a liquid supply chamber, a feed pump for maintaining a liquid supply in said chamber, a drive shaft having an operating connection with said pump, outlet tubes, pressure chambers having communication with said outlet tubes and said chamber, reciprocating plungers for forcing liquid from said pressure chambers through the respective outlet tubes, valves controlling the flow of liquids from said chamber to said pressure supply chambers, an operating connection between said valves and said drive shaft for actuating the valves in timed relation with said plungers, and a rocker means operatively connecting said plungers and said drive shaft to reciprocate the plungers through rotation of the drive shaft.

2,362,412
REMOTE CONTROL SYSTEM
Francis H. Shepard, Jr., Rutherford, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 25, 1938, Serial No. 215,731
8 Claims. (Cl. 250—20)



1. In a radio receiver provided with an electric motor and an energizing circuit therefor for tuning the receiver to any one of a plurality of wave lengths, a step switch mechanism for controlling the operation of said motor, said step switch mechanism including a movable arm and a stepping coil arranged to step the arm from a home position along a series of contact points, means responsive to successive control pulses received at the receiver from a remote point for energizing the step coil with each pulse to thereby cause the step switch arm to advance from its home position a number of steps corresponding to the number of said successive pulses, means for returning the arm to its home position, means including a quick-acting slow-release relay operating to prevent the operation of said returning means while control pulses are being received during a control cycle of operation of the mechanism, and means operating as long as the tuning motor is in operation to prevent the operation of the returning means.

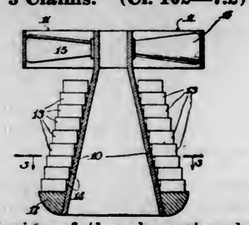
2,362,413
TAPING MACHINE
Albert F. Shields, Jamaica, N. Y., assignor to S. & S. Corrugated Paper Machinery Co., Inc., Brooklyn, N. Y., a corporation of New York
Application May 3, 1941, Serial No. 391,701
17 Claims. (Cl. 93—56)



1. Apparatus for applying tapes to blanks comprising tape feeding mechanism, tape applying mechanism, and a rotatable tape cutting knife; means for successively advancing said blanks into engagement with said tape applying mechanism, said tape feeding mechanism simultaneously feeding said tape into engagement with said

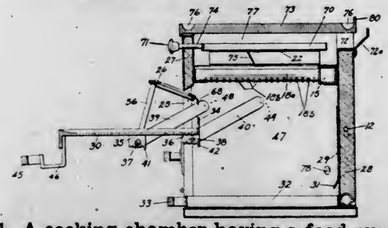
applying mechanism, said tape cutting knife severing said tape when a predetermined length has been fed, and completely severing said predetermined length from the remaining portion thereof, said tape cutting knife rotating continuously during and between successive tape applying operations, said knife being mounted on a rotatable shaft and being movable into cutting position at a fixed point of each cycle of rotation of said shaft and means for adjusting said knife with respect to the tape feeding mechanism so that each tape feeding operation begins when the knife has reached a fixed point in eacn cycle of rotation.

2,362,414
BOMB CARRIER
Henry A. Simpson, Philadelphia, Pa., assignor to Machine and Tool Designing Company, a corporation of Pennsylvania
Application February 3, 1942, Serial No. 429,367
3 Claims. (Cl. 102—7.2)



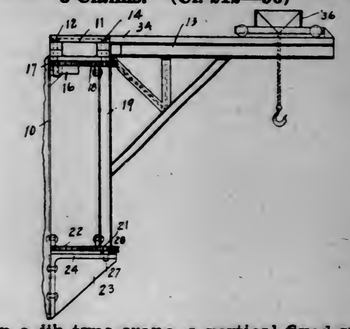
1. In a device of the character described, the combination with a plurality of bombs, of a bomb supporting carrier having a fan secured thereto, to cause the rotation of the carrier while falling from a height, said bombs being arranged in courses, one course upon another, a cord secured to each bomb and wound around the carrier in direction opposite to that of the carrier's rotation, the cords of each course so wound as to secure portions of the cords of a lower adjacent course from unwinding until the cords of an upper coarse are unwound.

2,362,415
COOKING DEVICE
Garland A. Sivley, Peoria, Ill., assignor of three-fourths to Ernest Reich, Quakertown, Pa.
Application April 29, 1942, Serial No. 441,043
11 Claims. (Cl. 126—41)



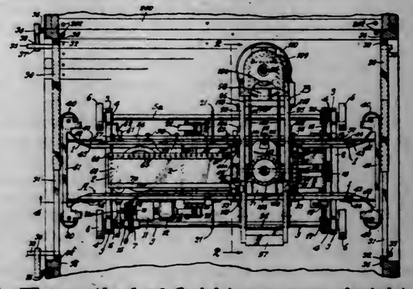
11. A cooking chamber having a food-supporting griddle therein supported at its two ends by pairs of pivoted links of substantially equal length, said links having upper and lower pivots, the upper pivots being connected to the chamber walls for pivotal motion therein, the upper pivots at the rear being higher up in the chamber walls than those farther forward and the upper pivots on each side being farther apart than the lower pivots on the same side, corresponding pivots at opposite sides of the chamber being co-axial, the rear lower pivots being connected to the griddle adjacent its rear edge and together constituting a rear pivotal axis, and the pivotal axis at the rear edge of the griddle being oscillatable into and out of the chamber, and the positioning of the pivots being such that the rear edge of the griddle when within the chamber is lower than the front edge and, when the griddle is outside of the chamber, it is substantially horizontal.

2,362,416
JIB TYPE CRANE
Alexander Spoliansky, New York, N. Y., assignor to Ingalls Iron Works Company, a corporation of Delaware
Application September 2, 1943, Serial No. 500,907
3 Claims. (Cl. 212—56)



1. In a jib type crane, a vertical fixed support, a jib, a link connecting the upper end of the jib to the fixed support, segmental gears fixedly mounted on the fixed support opposite the lower and upper ends of the jib, similar segmental gears fixedly mounted on the jib at the upper and lower ends to mesh with the first mentioned gears, and guide means coacting between the lower end of the jib and the fixed support and adapted to withstand the compressive forces at the lower end of the jib.

2,362,417
METHOD OF SURFACING FLOORS AND THE LIKE
Henry H. Talboys, Milwaukee, Wis., assignor to Nordberg Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin
Original application August 2, 1940, Serial No. 349,799. Divided and this application September 15, 1941, Serial No. 410,877
2 Claims. (Cl. 144—309)



1. The method of finishing a worn freight car floor formed of transversely extending boards with securing means at the ends of the boards and intermediate the ends of the boards, which includes initially removing the securing means located intermediate the ends of the boards while leaving the securing means at the ends of the boards in position, thereafter cutting initial guiding strips adjacent the opposite long sides of the cars, said guiding strips being generally parallel with said car sides and located near but inwardly of said end securing means, said strips lying,

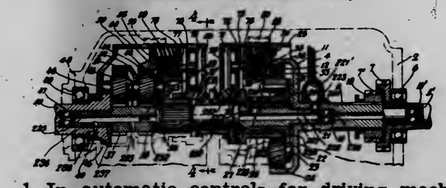
when finished, at generally the same level, employing said guiding strips as supports for the cutter for use in further recutting the rest of the floor, cutting a series of parallel strips between the guiding strips until the area has been cut down to the desired level, and bevelling the surface of the car floor downwardly and inwardly between said end securing means and the outer edges of the initially cut guiding strips.

2,362,418
CLUTCH AND GEARING CONTROL

Earl A. Thompson, Bloomfield Hills, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Original application March 15, 1937, Serial No. 130,956. Divided and this application February 14, 1940, Serial No. 318,945

24 Claims. (Cl. 192—.01)



1. In automatic controls for driving mechanisms, in combination, an engine, a speed control for said engine movable into various positions representing the torque demand of the operator, a friction clutch driven by said engine, said clutch being of multiple disc type, engagement control means embodied in said clutch effective to trap lubricant between the multiple discs thereof, auxiliary power means arranged to actuate said clutch by compressing the multiple discs thereof together, regulating means for said clutch connected to said power means effective to predetermine the torque capacity of said clutch, and a connection between said speed control and said regulating means whereby for increased operator torque demand the torque capacity of said clutch is increased.

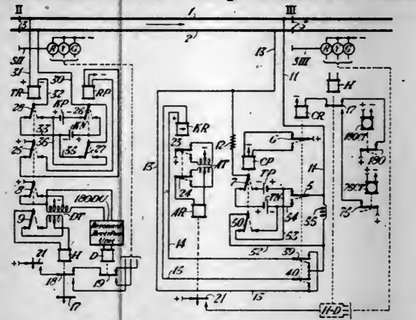
2,362,419
CODED FEED-BACK CIRCUITS FOR RAILWAY TRAFFIC CONTROL

Howard A. Thompson, Edgewood, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application September 23, 1942, Serial No. 459,348

12 Claims. (Cl. 246—38)

1. In combination, a control circuit that includes a pair of conductors which normally are capable of transmitting energy between given and opposite ends of the circuit but which at times are rendered incapable of such transmission, mean sincluding a coding device at the given end of said circuit for supplying said conductors with master code energy in the form of recurring "on" period pulses that are separated by "off" period intervals and that have positive and negative polarities in alternating sequence, a first code following relay at the opposite end of said circuit connected with said conductors during said master code "on" periods and having a contact which moves to a normal position upon each reception of a positive polarity master code pulse and to a reverse position upon each reception of a negative polarity master code pulse, means governed by said first relay contact and effective during code following operation thereof for further supplying said conductor with feed back energy in the form of pulses that recur in step with said master code "off" periods and that have positive and negative polarities in alternating sequence, a second code following relay at said given circuit end having an operating winding and being provided with a contact which picks up when given direction current is passed through said winding but which stays released when that winding receives opposite direction current or no current at all, means governed by said coding device for establishing from said conductors to said second relay winding a connection which is direct during each master code "off" period of odd number



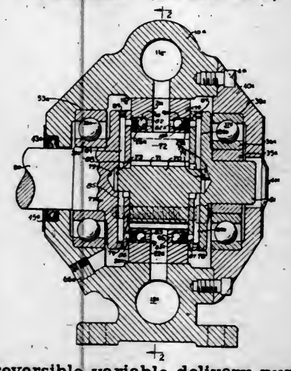
and reversed during each master code "off" period of even number and over which each conductor-transmitted pulse of said positive polarity feed back energy and of said negative polarity feed back energy flows given direction current through said second relay winding and thereby picks up said second relay contact, and apparatus controlled by said second relay contact and distinctively responsive according as that contact is or is not being repeatedly shifted between its said picked up and released positions.

2,362,420
VANE PUMP

Warren R. Tucker and George A. Waldie, Dayton, Ohio, assignors to The Hydraulic Development Corp. Inc., Wilmington, Del., a corporation of Delaware

Original application February 6, 1941, Serial No. 377,709. Divided and this application December 17, 1941, Serial No. 423,339

5 Claims. (Cl. 103—136)



1. A reversible variable delivery pump including a cylinder, a rotor, a plurality of vanes carried in slots in said rotor for engaging said cylinder, end plates carried by said rotor for rotation therewith and engaging said cylinder to form a compression chamber in co-operation with said cylinder and rotor, fluid flow passages in said cylinder for conducting fluid to and from said cylinder, said cylinder being movable with respect to said rotor to change the output capacity thereof and reverse the direction of delivery from said cylinder, a fluid passage in an end plate interconnecting all of said slots, independent fluid passages in said cylinder connecting said last mentioned passage with the first mentioned fluid flow passages in said cylinder, and check valve means in each of said independent passages for permitting fluid to enter said independent passages but preventing return flow therefrom, thereby continuously applying pressure from one of said first mentioned passages to beneath said vanes regardless of the direction of discharge of pressure fluid from said pump.

2,362,421
METHOD OF MAKING CLOSURE CAPS

Louis A. Von Till, Freeport, N. Y., assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y., a corporation of New York

Application March 12, 1941, Serial No. 382,908

3 Claims. (Cl. 113—121)



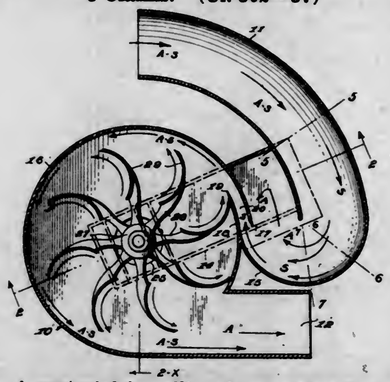
1. The method of making closure caps with a screw thread in a cylindrical skirt, which method comprises rolling inwardly, substantially to the limit of the stretching that the metal will withstand without rupture, a spirally arranged projection in the cylindrical skirt of the closure cap to form a part of the closure thread, rolling a succeeding like projection of said thread at a selected distance from the end of the first projection to leave the excess metal in front of the roller in the intermediate portion, thereby to reduce the strain on the metal in the projection and also to a greater extent the strain on the metal of the intermediate portion, and, in rolling said like projection, drawing part of the material from the less strained intermediate portion into said succeeding like projection and repeating said step to form the complete thread.

2,362,422
MATERIAL IMPELLING FAN

James L. Wall, Washington, Ga., assignor of one-third to Claude Norman Jackson, Washington, Ga.

Application July 8, 1943, Serial No. 493,894

8 Claims. (Cl. 302—37)



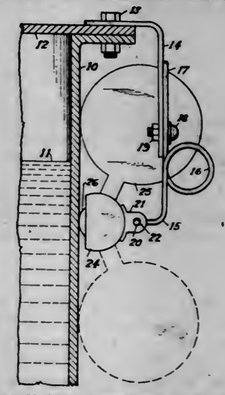
1. A material impelling fan construction comprising a housing including a fan enclosing portion and inlet and exhaust portions communicating therewith, the fan enclosing housing portion having side walls and an arcuate peripheral wall, a fan rotatably supported within the fan enclosing housing portion and including blades whose outer ends are in substantial spaced relation to said peripheral wall, an air deflecting conduit communicating with said intake housing portion and with said fan enclosing housing portion centrally of the fan, and a material inlet passage between said intake housing portion and said fan enclosing housing portion immediately within said arcuate peripheral wall for admitting solids within said arcuate wall, the air admitted at the center of the fan being directed outwardly thereby for impelling the solids through the fan enclosing housing portion and maintaining same out of range of the fan blades.

2,362,423
TANK-WALL TEMPERATURE INDICATOR

Carroll H. Walsh, Pine Bluff, Ark.

Application August 1, 1942, Serial No. 453,269

12 Claims. (Cl. 116—114.5)



1. A tank-wall temperature indicator comprising a hollow housing of insulating material spaced from said tank-wall, a hollow tubular container of conducting material bridging the space between said housing and said tank-wall and rotatably carried by said housing, a releasable member within said container and mounted for rotary movement with respect to both said housing and said container, said releasable member having an outside diameter less than the inside diameter of said hollow container to provide an annular space therebetween, fusible material within said annular space fastening said releasable member to said container when said material is unfused and releasing said releasable member from said container when said fusible material fuses, means normally urging both said releasable member and said container for rotation in the same direction, resilient mounting means normally urging said housing toward said tank-wall for normally frictionally restraining movement of said tubular container, and visible indicating means responsive to movement of said releasable member.

2,362,424
TANK-WALL TEMPERATURE INDICATING DEVICE

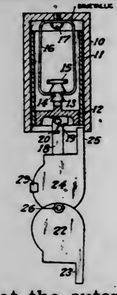
Carroll H. Walsh, Pine Bluff, Ark.

Application August 7, 1942, Serial No. 454,071

7 Claims. (Cl. 116—114.5)

7. The combination with a temperature indicator having an open end container, a member reciprocably movable within said container, and thermally responsive means for controlling the movement of the movable member from a normal to a plurality of predetermined positions, of indicating means externally of said container for

visually indicating the internal position of said movable member, said indicating means comprising a laterally swingable semaphore support fastened to said movable member and normally extending outwardly from said container in the direction of motion of said movable member, resilient means normally holding said semaphore support in the normal position, a plurality of semaphores mounted for rotary movement about



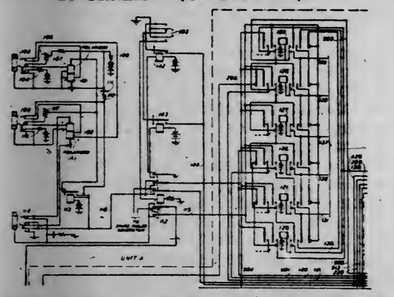
a common pivot at the outer end of said support, said semaphores normally extending upwardly from said pivot to latched engagement with the inner surface of the open end of said container, and means for selectively releasing said semaphores for rotary movement in response to the sequential movement of said movable member from said normal to said predetermined positions.

2,362,425

TIME-MEASURING EQUIPMENT

Floyd M. Wiese, deceased, late of Elizabeth, N. J., by Eleanor K. Wiese, executrix, Elizabeth, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application December 26, 1942, Serial No. 470,263
19 Claims. (Cl. 179—7.1)



1. In a telephone system, trunk circuits, certain stages in the operation of said trunk circuits requiring the measurement of a time interval, a time measuring arrangement common to said trunk circuits and means in said time measuring arrangement responsive to the start of one of said stages of operation of one of said trunk circuits for simultaneously associating said trunk circuit with said time measuring arrangement and starting the measurement of said time interval, said responsive means operating within a different time interval which is a fraction of said interval to be measured.

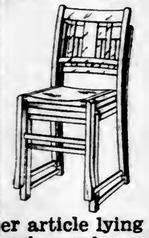
2,362,426

STACKABLE CHAIR AND THE LIKE

Eric Harold Wyatt, High Wycombe, England

Application June 21, 1941, Serial No. 399,191
In Great Britain March 24, 1941
5 Claims. (Cl. 155—2)

1. A stackable article of furniture comprising a top member having four substantially vertical legs secured to the exterior side faces of the top member, adjacent to the front and rear edges thereof, the transverse dimension of the free opening formed by the inner opposed faces of one pair of legs and the under side of the top member being equal to or greater than the extreme width of the top member immediately adjacent to the points of attachment of the said one pair of legs to said top member but which free opening is less in transverse dimension than the overall width of the top member and said other pair of legs as measured between the exterior side faces of said other pair of legs, the said legs being arranged so that one such article may be stacked upon another like article with the front and rear



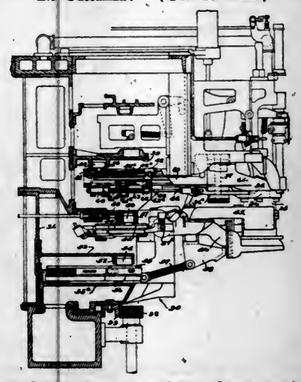
legs of the upper article lying in front of the respective front and rear legs of the lower article and with the under side of the top member of the upper article supported upon the upper face of the top member of the lower article, the free ends of the front and rear legs at each side of the article being connected by braces extending from front to rear, said front legs each being provided with a lateral extension at the free end thereof, projecting outwardly of the respective planes defined by the front and rear legs at each side of the article, said braces each being connected to the front legs at a point on said lateral extensions whereby to flare said braces forwardly and outwardly to permit stacking of the articles as described.

2,362,427

MOLD OPERATING MECHANISM FOR GLASS BLOWING MACHINES

Russell G. Allen, Alton, Ill., assignor to Owens-Illinois Glass Company, a corporation of Ohio

Application January 7, 1942, Serial No. 425,840
12 Claims. (Cl. 49—42)



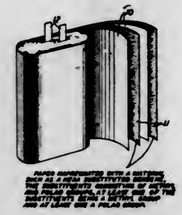
1. A machine for forming glass articles comprising a mold carriage, means for rotating the carriage, a mold mounted to rotate with the carriage, a stationary cam track, a cam follower roll running on the track, operating connections between said roll and the mold for opening and closing the mold at predetermined points during the rotation of the carriage, a piston motor, means actuated by said motor for holding the mold in open position independently of the cam and independently of the position of the cam follower roll while the said carriage is rotating and said roll running on the track and while the motor remains energized, and manual means for controlling the operation of said motor.

2,362,428

DIELECTRIC MATERIALS AND ELECTRICAL APPARATUS CONTAINING THEM

Burnard S. Biggs and Stanley O. Morgan, Summit, and Addison H. White, East Orange, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application December 6, 1938, Serial No. 244,171
23 Claims. (Cl. 175—41)



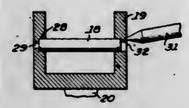
18. An electrical condenser comprising armatures separated by a dielectric element comprising a plurality of polar compounds forming a solid solution, the dielectric constant of each of said compounds being substantially higher than the square of its respective optical refractive index, at least one of said polar compounds being a substituted benzene having at least five substituents, said substituents consisting of methyl and halogen groups, at least two of said substituents being methyl groups and at least one of said substituents being a halogen.

2,362,429

PIVOT STRUCTURE

Alva G. Blanchard, Shreveport, La.

Original application October 14, 1935, Serial No. 44,988, now Patent No. 2,233,395, dated March 4, 1941. Divided and this application March 6, 1940, Serial No. 322,625
3 Claims. (Cl. 287—1)



1. In a device of the class described, the combination comprising a yoke, a pivot pin, an opening in one side of the yoke to receive said pivot pin, a second opening in the other side of said yoke in alignment with said first mentioned opening, said second opening including a stop shoulder adapted to receive the end of said pivot pin whereby the axial position of the pin within the yoke is determined, said pin terminating within said first mentioned opening when the other end of the pin is in engagement against said stop shoulder, and a portion of the wall of the yoke about the first mentioned opening being upset toward the pin to hold the pin in place.

2,362,430

ARTICLES OF NONMETALLIC MINERAL COMPOUNDS AND METHOD OF PRODUCING SAME

Martin J. Buerger, Arlington, Mass., assignor to Arthur D. Little, Inc., a corporation of Massachusetts

No Drawing. Application March 31, 1942, Serial No. 436,964
4 Claims. (Cl. 18—48)

1. Process which comprises compacting a finely divided fluorite compound in the substantial absence of binders and water, under conditions of temperature and pressure to cause plastic flow and compacting of the compound to a specific gravity of not less than about 90% of its true specific gravity, the temperature being below the melting or vitrification temperature of said compound and heat treating the compacted compound at a temperature below a point where any melting or vitrification of said compound occurs but sufficient to cause intercrystalline growth and thereby improve the cohesion of the particles of the final article.

2,362,431

THERMOFLUID PRINTING INKS AND VEHICLES THEREFOR

Lothian M. Burgess, Chatham, N. J., assignor to J. M. Huber, Inc., New York, N. Y., a corporation of New Jersey

No Drawing. Application July 8, 1941, Serial No. 401,523
11 Claims. (Cl. 260—25)

1. A normally solid thermo-fluid printing ink comprising coloring matter incorporated in a vehicle made with a resin base which consists substantially entirely of hard thermo-plastic product of reactions between a phenol an aldehyde and a resin from the group consisting of thermo-plastic natural resins and their polyhydric alcohol esters, together with a larger proportion of hard thermo-plastic resin from the group consisting of cumarone resins and hard thermoplastic rosin derivatives which contain the rosin nucleus.

2,362,432

FLOTATION OF ORES

Frank J. Cahn, Chicago, Ill., assignor to The Emulsol Corporation, Chicago, Ill.

No Drawing. Application July 3, 1941, Serial No. 400,910
27 Claims. (Cl. 209—166)

1. In a flotation process for the concentration of ores, wherein at least one of the flotation agents employed comprises a cationic agent, the step which comprises conducting the flotation operation in the presence of an aliphatic polyhydroxy substance partially esterified with an aliphatic carboxylic acid containing from 6 to 10 carbon atoms.

2,362,433

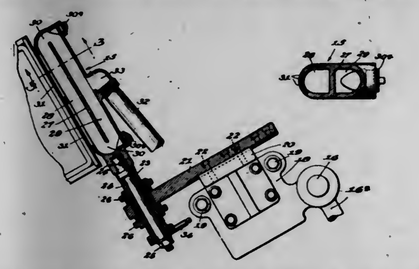
NOZZLE

John E. Ferguson and Cecil W. McCreery, Muncie, Ind., assignors to Owens-Illinois Glass Company, a corporation of Ohio

Application December 26, 1942, Serial No. 470,154
7 Claims. (Cl. 299—73)

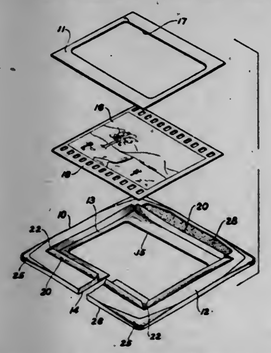
1. A nozzle in the form of a tube closed at both ends, a web within the nozzle extending lengthwise thereof and terminating short of said ends and thereby dividing the nozzle into compartments, passages connecting the ends of said compartments, said nozzle having an inlet port intermediate its ends opening into one said compartment, and formed with outlet openings extending lengthwise of the nozzle in the wall of

the other compartment, said web forming a baffle by which gas is directed to the ends of the nozzle and distributed to said outlets, and a



throttling device in the passageway at one end of the nozzle, said throttling device being adjustable for adjusting the distribution of the flow to opposite ends of the nozzle.

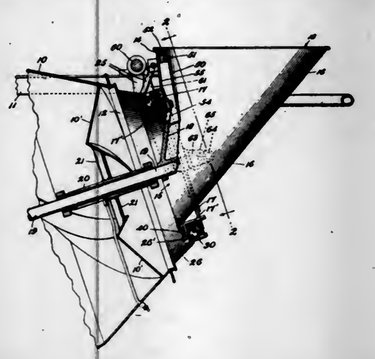
2,362,434
TRANSPARENCY MOUNT
Harold L. Fitch and Thomas L. O'Toole, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application May 8, 1942, Serial No. 442,172
12 Claims. (Cl. 88—26)



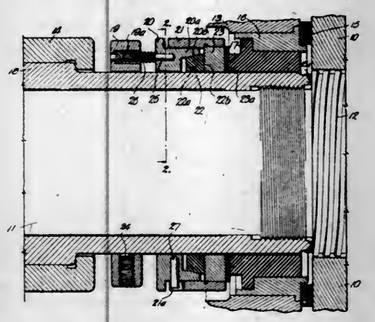
1. A mount for a transparency comprising a molded frame of thermoplastic material, the front face of said frame provided with a recess of a shape and size to receive a transparency, the rear face of said frame member provided with a picture aperture extending through to said recess, an inlay mask seated in said recess in superposed relation to the transparency and formed with an aperture complementary in shape and size to the picture area of said transparency, said frame including an upstanding rib on its front face in encircling relation to said recess and adapted to be flowed over the edges of said inlay mask by the application of pressure and heat to hold the mask and transparency in assembled relation in said recess.

2,362,435
CONCRETE MIXER
Louis G. Hilkemeier, Milwaukee, Wis., assignor to Chain Belt Company, Milwaukee, Wis., a corporation of Wisconsin
Application January 28, 1942, Serial No. 428,603
4 Claims. (Cl. 259—164)

1. In a concrete mixer, means for mounting a non-rotatable charging hopper upon a rotatable concrete mixing drum for reciprocatory movements toward and from a material-transfer opening in one end of said drum, said hopper having a discharge port co-operatively registerable with said drum opening for the transfer of materials from the hopper into the drum: said hopper mounting means comprising a collar structure secured to the hopper around said port and having a bracket member within said hopper extending across said port from the perimeter to the axis of the latter; means carried by said collar structure whereby the collar and hopper may be moved toward and from the drum opening; a shaft for supporting said hopper having one end portion mounted in said bracket in substantially the plane of said hopper port and projecting therefrom axially through said drum opening; and a bearing within and rotatable with the drum, slidably supporting the projecting portion of said shaft for movements axially of the drum.

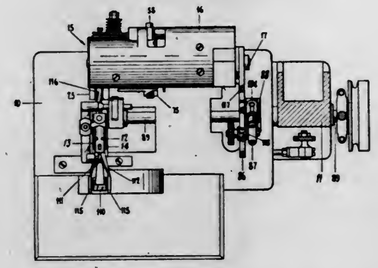


2,362,436
FLUID SEAL FOR ROTATING SHAFTS
Charles W. Stratford, Kansas City, Mo., assignor to Stratford Development Corporation, Kansas City, Mo., a corporation of Delaware
Application October 24, 1942, Serial No. 463,199
4 Claims. (Cl. 286—7)



1. In combination with a fluid seal for a rotating shaft, of a seal housing, a rotatable shaft passing through said seal housing, an insert fixedly mounted in the seal housing and surrounding the shaft, said insert having an end face surfaced as a sealing face, an assembly rotating with the shaft including a seal ring abutting the insert and having sealing engagement therewith, a rigid compression ring and a gland, said compression ring positioned intermediate the seal ring and gland and having sealing faces abutting the seal ring and shaft said abutting and sealing faces of the seal ring, compression ring and shaft reduced to a mirror-like finish, means for imposing axial force against the gland whereby said force is transmitted through the gland, compression ring, seal ring assembly and effective seals created between the contracting surfaces of the insert and seal ring and the compression ring, seal ring and shaft.

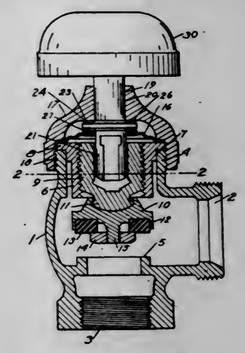
2,362,437
STRIP SHEARING ATTACHMENT
Joseph Galkin, New York, N. Y.
Application June 11, 1941, Serial No. 397,529
2 Claims. (Cl. 164—17.5)



2. In a device for cutting positively fed strip fabric into pieces of predetermined length, comprising a shear, a shear actuating shaft having a toothed wheel secured thereto for guiding said strip past said shear, said wheel having teeth, a pivotally mounted guide plate having a flat and inclined upper surface and upright side walls providing a channel for guiding said strip, resilient means for bringing a fabric strip on said flat surface into contact with said wheel, for guiding said strip through said channel, an open face cam carried by said shear actuating shaft for effecting actuation of said shear during each revolution of said wheel, said open face cam in its entirety being non-movable relative to said shear actuating shaft, a lever one extremity of which swings in an arc in a direction substantially parallel to said shaft and being spring-pressed towards said cam, a further spring acting upon said lever to hold the same in operative engagement with said cam for transmitting motion from said shaft to said shear, a clutch for actuating said shaft and said wheel, said guide plate being adapted for bringing said strip into contact with said wheel with a small pressure to permit slippage of said strip, and means for at will relatively shifting said lever out of engagement with said cam during operation of said machine to permit said spring further acting upon said lever to yieldingly hold said shear out of cutting engagement.

2,362,438
PACKLESS VALVE
William C. Marsh, Dunkirk, N. Y.
Application September 23, 1943, Serial No. 503,577
1 Claim. (Cl. 251—31)

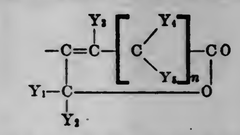
A valve comprising, in combination, a body portion having an open end and a seat, a stationary internally threaded cylindrical member having a flanged portion seating on the rim of the open end of said body portion, an externally threaded cylindrical member threadably engaged with said internally threaded cylindrical member and movable relative thereto, a seating member rotatably secured to said last mentioned cylindrical member for engagement with said seat, a corrugated cup-shaped disc-type spring seating on the flanged portion of said cylindrical member, a bonnet having a machined seating surface for



securing said spring and said flanged cylindrical member to said body portion, a valve stem extending through said spring and bonnet and having a collar disposed between said spring and said bonnet and being provided with opposed line bearing surfaces, and a comparatively soft bearing member welded on the bonnet side of said spring, said spring constantly urging said soft bearing member into sealing engagement with one of said bearing surfaces and the other of said bearing surfaces into engagement with the machined surface of said bonnet.

2,362,439
LACTONES OF THE CYCLOPENTANOPOLYHYDROPHENANTHRENE SERIES AND PROCESS OF MAKING SAME
Leopold Ruzicka, Zurich, Switzerland, assignor to Ciba Pharmaceutical Products Inc., Summit, N. J., a corporation
No Drawing. Application April 29, 1942, Serial No. 441,035. In Switzerland June 12, 1941
18 Claims. (Cl. 260—239.5)

1. The compounds of the 10:13-dimethylcyclopentanopolyhydrophenanthrene series having in the 17-position a member of the group consisting of a substituent of the formula

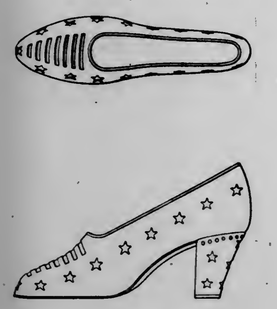


and of a side chain containing such substituent, wherein Y_1, Y_2, Y_4 and Y_5 each represents a member of the group consisting of hydrogen and a hydrocarbon radical, Y_3 represents a hydrocarbon radical, and n stands for one of the numbers 0, 1 and 2, and wherein the cyclopentanopolyhydrophenanthrene nucleus is free from tertiary hydroxyl groups.

DESIGNS

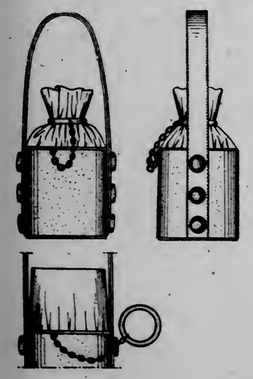
NOVEMBER 7, 1944

139,334
DESIGN FOR A SHOE
Joseph Balboni, Elmwood, Conn.
Application September 2, 1944, Serial No. 115,181
Term of patent 14 years
(Cl. D7—7)



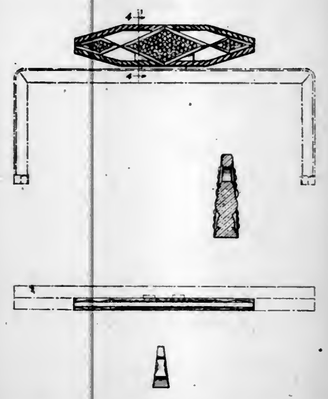
The ornamental design for a shoe, substantially as shown.

139,335
DESIGN FOR A HANDBAG
Eric de Kolb, New York, N. Y.
Application September 21, 1944, Serial No. 115,381
Term of patent 3½ years
(Cl. D87—3)



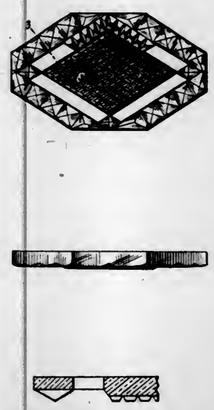
The ornamental design for a handbag, substantially as shown and described.

139,336
DESIGN FOR A HANDBAG FRAME
John De Pasquale and Alexander Westerman, Brooklyn, N. Y., assignors to Hardy Metal Specialties Inc., Brooklyn, N. Y., a corporation of New York
Application May 29, 1944, Serial No. 113,783
Term of patent 7 years
(Cl. D87—2)



The ornamental design for a handbag frame, substantially as shown and described.

139,337
DESIGN FOR A CLASP FOR A HANDBAG OR SIMILAR ARTICLE
John De Pasquale and Alexander Westerman, Brooklyn, N. Y., assignor to Hardy Metal Specialties Inc., Brooklyn, N. Y., a corporation of New York
Application June 7, 1944, Serial No. 113,891
Term of patent 7 years
(Cl. D87—2)



The ornamental design for a clasp for a handbag or similar article, substantially as shown.

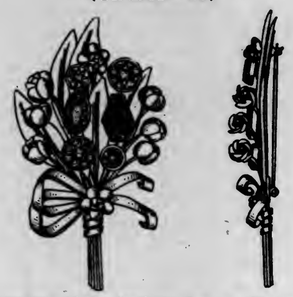
139,338
DESIGN FOR A DOORKNOB OR THE LIKE
Harry F. George, Chicago, Ill.
Application January 19, 1944, Serial No. 112,271
Term of patent 14 years
(Cl. D50—3)





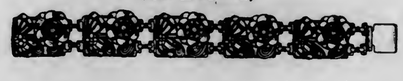
The ornamental design for a doorknob or the like, substantially as shown.

139,339
DESIGN FOR A BROOCH PIN OR SIMILAR ARTICLE
William W. Hobé, New York, N. Y.
Application August 30, 1944, Serial No. 115,131
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch pin or similar article, substantially as shown.

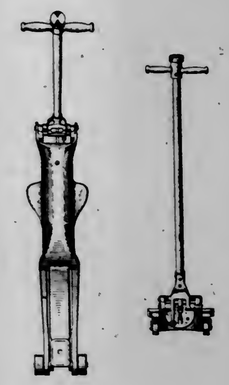
139,340
DESIGN FOR A BRACELET OR SIMILAR ARTICLE
William W. Hobé, New York, N. Y.
Application August 30, 1944, Serial No. 115,132
Term of patent 7 years
(Cl. D45—4)

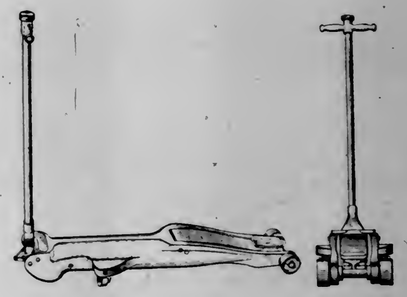


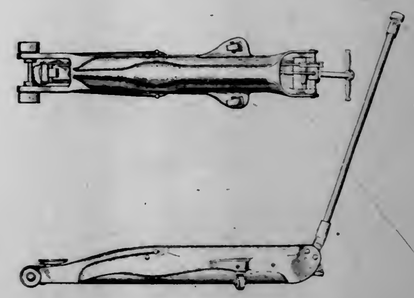


The ornamental design for a bracelet or similar article, substantially as shown.

139,341
DESIGN FOR A HYDRAULIC JACK
Herbert E. Page, Alhambra, Calif.
Application August 15, 1944, Serial No. 114,887
Term of patent 14 years
(Cl. D41—1)

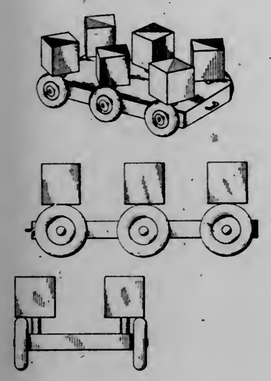






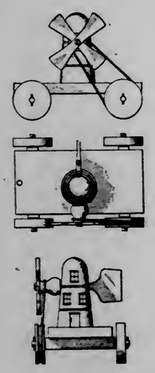
The ornamental design for a hydraulic jack, substantially as shown.

139,342
DESIGN FOR A WHEELED TOY
Archie N. Perry, Toledo, Ohio, assignor to Dudley W. Moor, Jr., and Eugene M. Belknap, both of Toledo, Ohio
Application June 16, 1944, Serial No. 114,029
Term of patent 14 years
(Cl. D34—15)



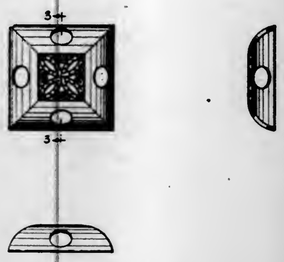
The ornamental design for a wheeled toy, substantially as shown.

139,343
DESIGN FOR A TOY
Paul E. Temlitz, Chicago, Ill.
Application August 12, 1944, Serial No. 114,857
Term of patent 14 years
(Cl. D34—15)



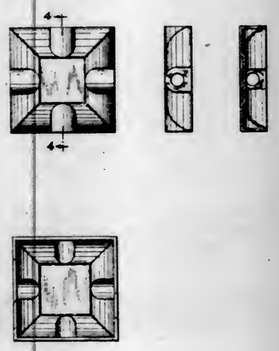
The ornamental design for a toy, substantially as shown.

139,344
DESIGN FOR A PLAQUE UNIT FOR ARTICULATED FABRIC OR SIMILAR ARTICLE
Robert Appel, New York, N. Y.
Application August 12, 1944, Serial No. 114,859
Term of patent 7 years
(Cl. D87—3)



The ornamental design for a plaque unit for articulated fabric or similar article, substantially as shown.

139,345
DESIGN FOR A PLAQUE UNIT FOR ARTICULATED FABRIC OR SIMILAR ARTICLE
Robert Appel, New York, N. Y.
Application August 12, 1944, Serial No. 114,860
Term of patent 7 years
(Cl. D87—3)



The ornamental design for a plaque unit for articulated fabric or similar article, substantially as shown.

139,346
DESIGN FOR A DISPLAY PLAQUE FOR AUTOMOBILES
Alvin A. Balint, New York, N. Y.
Application July 28, 1944, Serial No. 114,610
Term of patent 7 years
(Cl. D14—6)



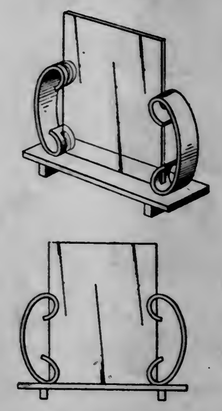
The ornamental design for a display plaque for automobiles, as shown.

139,347
DESIGN FOR AN AIR DIFFUSER OR THE LIKE
Carl A. Duffner, Cleveland, Ohio
Application July 14, 1943, Serial No. 110,664
Term of patent 7 years
(Cl. D62—4)



The ornamental design for an air diffuser or the like, substantially as shown.

139,348
DESIGN FOR A PICTURE FRAME OR SIMILAR ARTICLE
Judson Craig Eubank, New York, N. Y.
Application August 28, 1944, Serial No. 115,062
Term of patent 7 years
(Cl. D29—20)



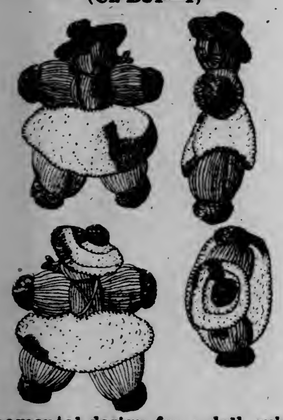
The ornamental design for picture frame or similar article, substantially as shown.

139,349
DESIGN FOR A COMBINED TRAY AND MEDICINE HOLDERS
Adolph M. Rothbardt, Chicago, Ill.
Application October 7, 1943, Serial No. 111,288
Term of patent 7 years
(Cl. D44—10)



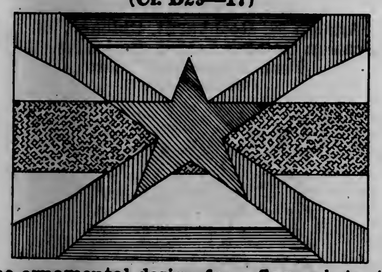
The ornamental design for a combined tray and medicine holders, as shown.

139,350
DESIGN FOR A DOLL
Mary G. Schoenherr, Detroit, Mich.
Application August 12, 1944, Serial No. 114,862
Term of patent 7 years
(Cl. D34—4)



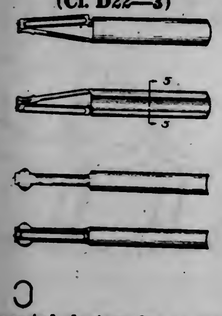
The ornamental design for a doll, substantially as shown.

139,351
DESIGN FOR A FLAG
Lewis Carl Seelbach, Buffalo, N. Y.
Application August 23, 1944, Serial No. 114,994
Term of patent 14 years
(Cl. D29—17)



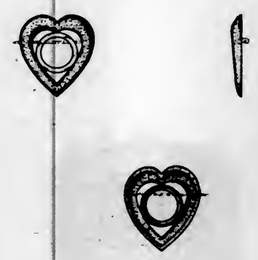
The ornamental design for a flag, substantially as shown.

139,352
DESIGN FOR A PARING KNIFE
Charles F. Senkewitz, Detroit, Mich.
Application January 24, 1944, Serial No. 112,305
Term of patent 14 years
(Cl. D22—3)



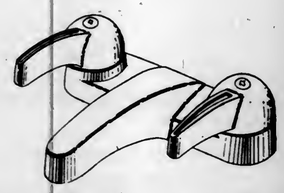
The ornamental design for a paring knife, as shown.

139,353
DESIGN FOR A BROOCH PIN
Jack Silson, New York, N. Y.
Application September 16, 1944, Serial No. 115,327
Term of patent 7 years
(Cl. D45—19)



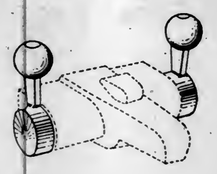
The ornamental design for a brooch pin, substantially as shown.

139,354
DESIGN FOR A FAUCET
Bertrand N. Trombley, Oak Park, Mich., assignor to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware
Application March 21, 1944, Serial No. 112,984
Term of patent 7 years
(Cl. D91—1)



The ornamental design for a faucet, substantially as shown.

139,355
DESIGN FOR A FAUCET
Bertrand N. Trombley, Oak Park, Mich., assignor to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware
Application March 21, 1944, Serial No. 112,988
Term of patent 7 years
(Cl. D91—1)



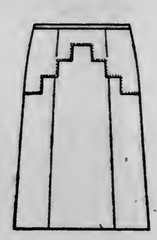
The ornamental design for a faucet, substantially as shown.

139,356
DESIGN FOR A SOCK OR SIMILAR ARTICLE
Anne Yandell, New York, N. Y.
Application December 29, 1943, Serial No. 112,117
Term of patent 14 years
(Cl. D47—7)



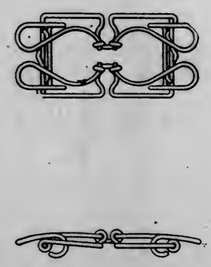
The ornamental design for a sock or similar article, substantially as shown and described.

139,357
DESIGN FOR A SKIRT
Theodoré M. Baer, New York, N. Y.
Application August 11, 1944, Serial No. 114,824
Term of patent 3½ years
(Cl. D3—26)



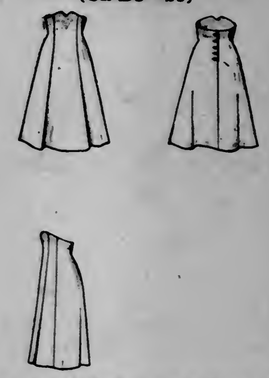
The ornamental design for a skirt, substantially as shown and described.

139,358
DESIGN FOR A BELT BUCKLE
Clarence E. Beatty, Colorado Springs, Colo.
Application September 2, 1944, Serial No. 115,176
Term of patent 14 years
(Cl. D17—1)



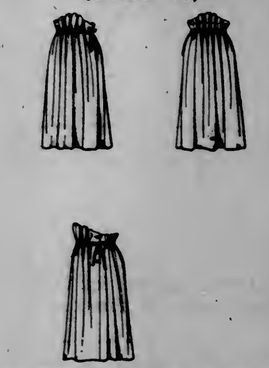
The ornamental design for a belt buckle, as shown.

139,359
DESIGN FOR A SKIRT
Max Levitt, New York, N. Y.
Application September 9, 1944, Serial No. 115,247
Term of patent 7 years
(Cl. D3—26)



The ornamental design for a skirt, as shown.

139,360
DESIGN FOR A SKIRT
Max Levitt, New York, N. Y.
Application September 9, 1944, Serial No. 115,248
Term of patent 7 years
(Cl. D3—26)



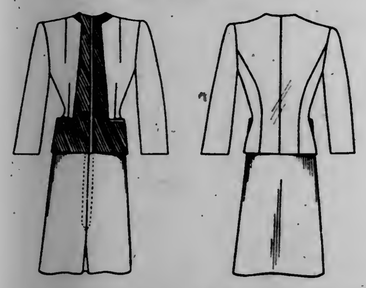
The ornamental design for a skirt, as shown.

139,361
DESIGN FOR A SKIRT
Max Levitt, New York, N. Y.
Application September 9, 1944, Serial No. 115,249
Term of patent 7 years
(Cl. D3—26)



The ornamental design for a skirt, as shown and described.

139,362
DESIGN FOR A SUIT OR SIMILAR ARTICLE
Sam Wieder, New York, N. Y.
Application September 28, 1944, Serial No. 115,494
Term of patent 3½ years
(Cl. D3—4)



The ornamental design for a suit or similar article, substantially as shown.

139,363
DESIGN FOR A SUIT OR SIMILAR ARTICLE
Sam Wieder, New York, N. Y.
Application September 29, 1944, Serial No. 115,509
Term of patent 3½ years
(Cl. D3—4)



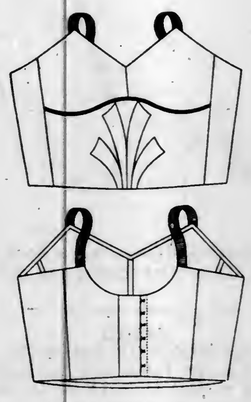
The ornamental design for a suit or similar article, substantially as shown.

139,364
DESIGN FOR A SUIT OR SIMILAR ARTICLE
Sam Wieder, New York, N. Y.
Application September 29, 1944, Serial No. 115,510
Term of patent 3½ years
(Cl. D3—4)



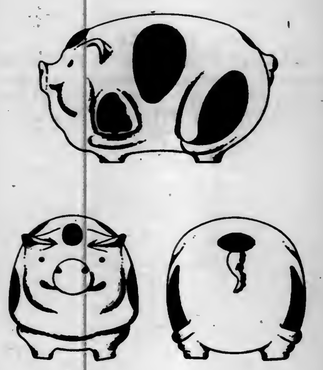
The ornamental design for a suit or similar article, substantially as shown.

139,365
DESIGN FOR A BRASSIÈRE
Pierre Amyot, Quebec, Quebec, Canada
Application January 31, 1944, Serial No. 112,394
Term of patent 7 years
(Cl. D20—4)



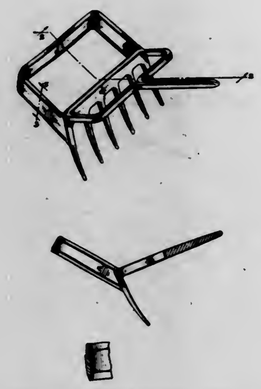
The ornamental design for a brassière, as shown.

139,366
DESIGN FOR A COIN BANK
William J. Ayers, New Castle, Pa.
Application August 30. 1944. Serial No. 115,136
Term of patent 7 years
(Cl. D34—11)



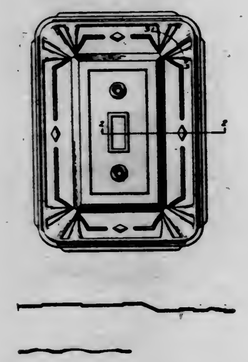
The ornamental design for a coin bank, as shown.

139,367
DESIGN FOR AN AGRICULTURAL IMPLEMENT HEAD
Carroll J. Keller, Chicago, Ill.
Application July 13, 1944, Serial No. 114,387
Term of patent 14 years
(Cl. D35—2)



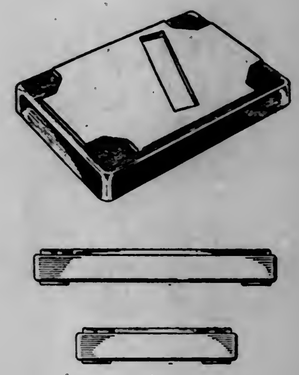
The ornamental design for an agricultural implement head, substantially as shown.

139,368
DESIGN FOR A WALL PROTECTOR FOR ELECTRIC FLUSH SWITCHES
Mathilda R. Kessler, Chicago, Ill.
Application August 30, 1944. Serial No. 115,139
Term of patent 7 years
(Cl. D26—13)



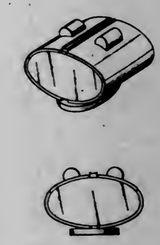
The ornamental design for a wall protector for electric flush switches, as shown.

139,369
DESIGN FOR A COMBINED STAND AND INDUCTION DEVICE HOLDER FOR TELEPHONES
Charles W. Dann, Orange, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application April 1, 1944, Serial No. 113,107
Term of patent 14 years
(Cl. D26—14)



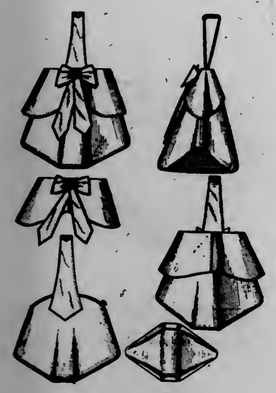
The ornamental design for a combined stand and induction device holder for telephones, substantially as shown.

139,370
DESIGN FOR A COMBINATION CIGARETTE CONTAINER AND DISPENSER
Judson Craig Eubank, New York, N. Y.
Application August 21, 1944, Serial No. 114,962
Term of patent 7 years
(Cl. D85—2)



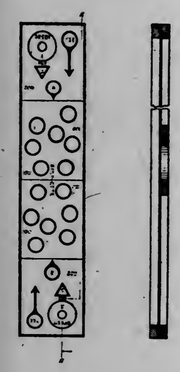
The ornamental design for a combination cigarette container and dispenser, substantially as shown.

139,371
DESIGN FOR A COMBINED HANDBAG AND HAT
Daniel Rubin, New York, N. Y.
Application July 13, 1944, Serial No. 114,384
Term of patent 3½ years
(Cl. D87—3)



The ornamental design for a combined handbag and hat, substantially as shown.

139,372
DESIGN FOR A GAME BOARD
Carl A. Setterstedt, Cicero, Ill., assignor of one-third to Robert G. Roney, Chicago, Ill.
Application October 23, 1943, Serial No. 111,482
Term of patent 7 years
(Cl. D34—5)



The ornamental design for a game board, as shown.

139,373
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Nicholas Barbieri, Providence, R. I., assignor to Uncas Manufacturing Company, a corporation of Rhode Island
Application August 18, 1944, Serial No. 114,923
Term of patent 14 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown and described.

139,374
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Nicholas Barbieri, Providence, R. I., assignor to Uncas Manufacturing Company, a corporation of Rhode Island
Application August 18, 1944, Serial No. 114,927
Term of patent 14 years
(Cl. D45—19)



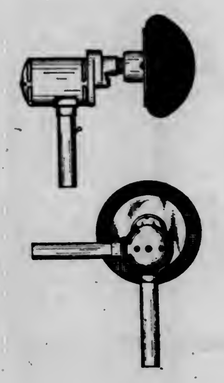
The ornamental design for a brooch or similar article, substantially as shown and described.

139,375
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Nicholas Barbieri, Providence, R. I., assignor to Uncas Manufacturing Company, a corporation of Rhode Island
Application August 18, 1944, Serial No. 114,928
Term of patent 14 years
(Cl. D45—19)



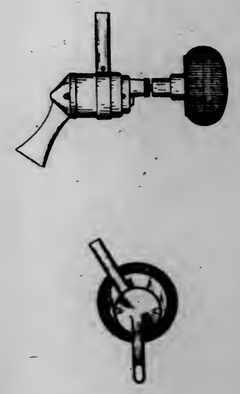
The ornamental design for a brooch or similar article, substantially as shown and described.

139,376
DESIGN FOR A COMBINATION CLEANING AND POLISHING DEVICE
Marion H. Bissell, Chicago, Ill.
Application June 28, 1944, Serial No. 114,215
Term of patent 14 years
(Cl. D9—2)



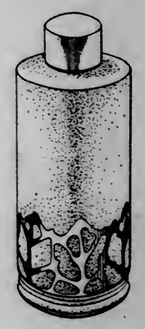
The ornamental design for a combination cleaning and polishing device, as shown and described.

139,377
DESIGN FOR A COMBINATION CLEANING AND POLISHING DEVICE
Marion H. Bissell, Chicago, Ill.
Application June 28, 1944, Serial No. 114,216
Term of patent 14 years
(Cl. D9—2)



The ornamental design for a combination cleaning and polishing device, as shown and described.

139,378
DESIGN FOR A BOTTLE
Eugene Coleman, North Hollywood, Calif.
Application February 5, 1944, Serial No. 112,448
Term of patent 7 years
(Cl. D58—8)



The ornamental design for a bottle, as shown and described.

139,379
DESIGN FOR A BOTTLE
Eugene Coleman, North Hollywood, Calif.
Application February 5, 1944, Serial No. 112,449
Term of patent 7 years
(Cl. D58—8)



The ornamental design for a bottle, as shown and described.

139,380
DESIGN FOR A BOTTLE
Eugene Coleman, North Hollywood, Calif.
Application February 5, 1944, Serial No. 112,450
Term of patent 7 years
(Cl. D58—8)



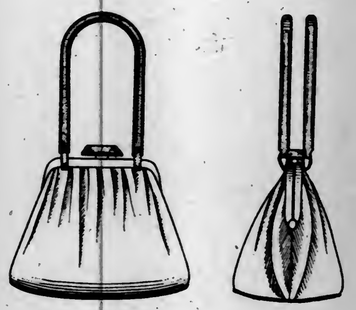
The ornamental design for a bottle, as shown and described.

139,381
DESIGN FOR A COMBINED BOTTLE AND CAP
Benjamin Harris, Los Angeles, Calif.
Application July 10, 1943, Serial No. 110,645
Term of patent 14 years
(Cl. D58—8)



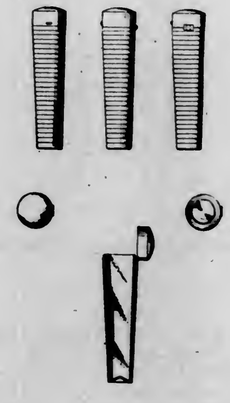
The ornamental design for a combined bottle and cap, as shown.

139,382
DESIGN FOR A HANDBAG
Frank X. Hiltenbrand, New York, N. Y.
Application August 21, 1944, Serial No. 114,948
Term of patent 3½ years
(Cl. D87—3)



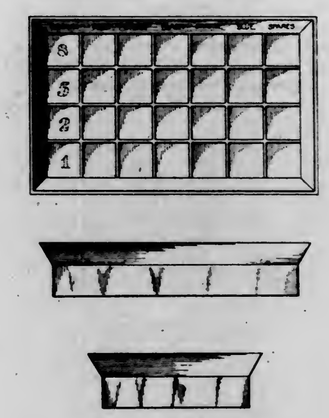
The ornamental design for a handbag, substantially as shown, and described.

139,383
DESIGN FOR A POCKET CONTAINER FOR PILLS AND THE LIKE
Walter Lampl, New York, N. Y.
Application July 11, 1944, Serial No. 114,356
Term of patent 14 years
(Cl. D58—11)



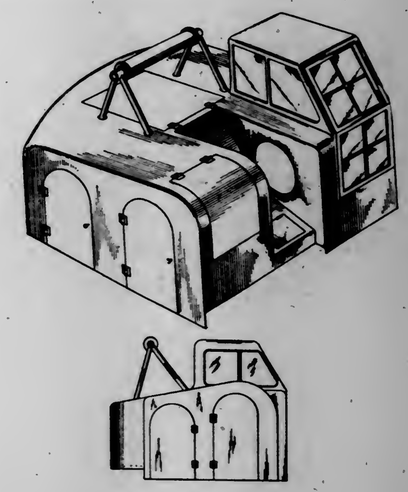
The ornamental design for a pocket container for pills and the like, as shown.

139,384
DESIGN FOR A RATION POINT HOLDER
Annie Porche, Houma, La.
Application February 24, 1944, Serial No. 112,690
Term of patent 7 years
(Cl. D58—12)



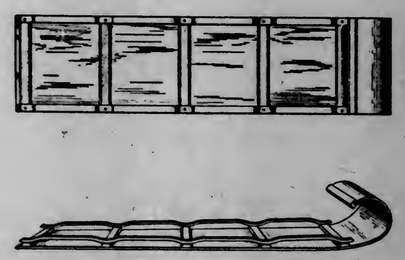
The ornamental design for a ration point holder, as shown.

139,385
DESIGN FOR A CRANE CAB
John D. Rauch, Fort Wayne, Ind.
Application August 9, 1943, Serial No. 110,870
Term of patent 14 years
(Cl. D14—3)



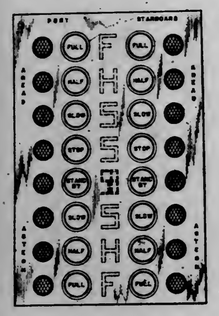
The ornamental design for a crane cab, substantially as shown.

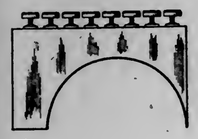
139,386
DESIGN FOR A TOBOGGAN
James A. Worden, Portage, Wis.
Application March 13, 1944, Serial No. 112,893
Term of patent 7 years
(Cl. D14—24)



The ornamental design for a toboggan, as shown.

139,387
DESIGN FOR A MARINE INDICATOR
Walter G. Huckabee, Silver Grove, Ky.
Application March 22, 1944, Serial No. 112,989
Term of patent 14 years
(Cl. D72—1)

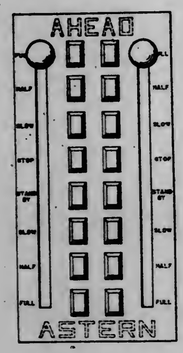






The ornamental design for a marine indicator, as shown.

139,388
DESIGN FOR A MARINE INDICATOR
Walter G. Huckabee, Silver Grove, Ky.
Application March 22, 1944, Serial No. 112,990
Term of patent 14 years
(Cl. D72—1)



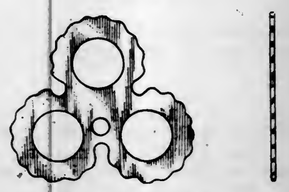
139,388—Continued





The ornamental design for a marine indicator, as shown.

139,389
DESIGN FOR A TEETHING RING OR SIMILAR ARTICLE
Daniel Kasen, Newark, N. J.
Application August 26, 1944, Serial No. 115,040
Term of patent 3½ years
(Cl. D83—1)



The ornamental design for a teething ring or similar article, substantially as shown.

139,390
DESIGN FOR A SWEATER
Max Rubenstein, New York, N. Y.
Application September 29, 1944, Serial No. 115,527
Term of patent 3½ years
(Cl. D3—4)



The ornamental design for a sweater, substantially as shown.

139,391
DESIGN FOR A HAND FIRE EXTINGUISHER
Howard C. Smith, Buffalo, N. Y., assignor to Buffalo Fire Appliance Corporation, Buffalo, N. Y., a corporation of New York
Application August 17, 1944, Serial No. 114,911
Term of patent 14 years
(Cl. D16—2)



The ornamental design for a hand fire extinguisher, as shown.

139,392
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Nicholas Barbieri, Providence, R. I., assignor to Uncas Manufacturing Company, a corporation of Rhode Island
Application August 18, 1944, Serial No. 114,924
Term of patent 14 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown and described.

139,393
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Nicholas Barbieri, Providence, R. I., assignor to Uncas Manufacturing Company, a corporation of Rhode Island
Application August 18, 1944, Serial No. 114,926
Term of patent 14 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown and described.

139,394
DESIGN FOR A SCARF
Philip Goldenstein, New York, N. Y.
Application June 22, 1944, Serial No. 114,126
Term of patent 14 years
(Cl. D3—12)



The ornamental design for a scarf, as shown.

139,395
DESIGN FOR A SCARF
Philip Goldenstein, New York, N. Y.
Application June 23, 1944, Serial No. 114,160
Term of patent 14 years
(Cl. D3—12)



The ornamental design for a scarf, as shown.

139,396
DESIGN FOR A SCARF
Philip Goldenstein, New York, N. Y.
Application June 26, 1944, Serial No. 114,193
Term of patent 14 years
(Cl. D3—12)



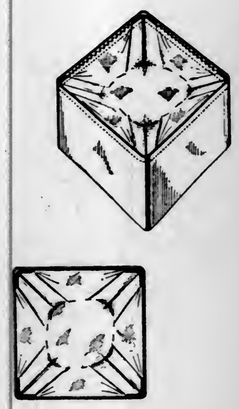
The ornamental design for a scarf, as shown.

139,397
DESIGN FOR A HOUSE COAT
Marie F. Hauck, Chicago, Ill., assignor to Walter M. Gotsch Company, Chicago, Ill., a corporation of Illinois
Application August 17, 1944, Serial No. 114,915
Term of patent 7 years
(Cl. D3—26)



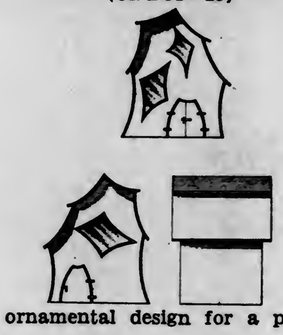
The ornamental design for a house coat, substantially as shown.

139,398
DESIGN FOR AN ADVERTISING DEVICE
John A. Lewis, Upper Montclair, N. J., assignor to General Weaves, Inc., New York, N. Y., a corporation of New York
Application August 17, 1943, Serial No. 110,932
Term of patent 14 years
(Cl. D1—2)



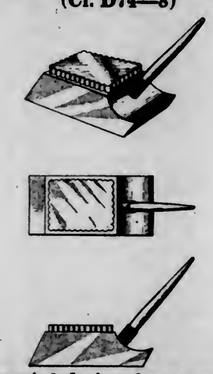
The ornamental design for an advertising device, as shown.

139,399
DESIGN FOR A PLAYHOUSE
August A. Olson, Bremerton, Wash.
Application May 12, 1944, Serial No. 113,560
Term of patent 14 years
(Cl. D34—15)



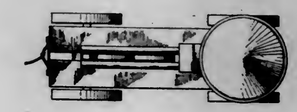
The ornamental design for a playhouse, as shown.

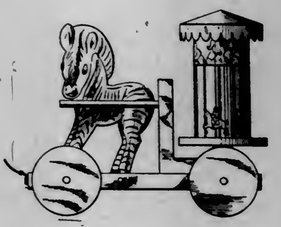
139,400
DESIGN FOR A COMBINED INKWELL AND PENHOLDER
Peter Schladermundt, Bronxville, and David H. Wurster, New York, N. Y., assignors to Salz Brothers, Inc., New York, N. Y., a corporation of New York
Application September 20, 1944, Serial No. 115,372
Term of patent 7 years
(Cl. D74—8)



The ornamental design for a combined inkwell and penholder, substantially as shown.

139,401
DESIGN FOR A TOY
Thomas L. Vine, New York, N. Y.
Application August 29, 1944, Serial No. 115,106
Term of patent 14 years
(Cl. D34—15)





The ornamental design for a toy, as shown.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Abbott, Donald A., Mamaroneck, N. Y. Row boats, sail boats, and motor boats. Serial No. 467,585; Nov. 7. Class 19.

Ace Preserves. (See Wallace, William.)

Alpine Vineyards. (See Alpine Winery.)

Alpine Winery, doing business as Alpine Vineyards, Healdsburg, Calif. Wines. Serial No. 473,170; Nov. 7. Class 47.

Amello, Salvatore, doing business as Kwik-Time Products Company, Corona, N. Y. Floor wax. Serial No. 473,359; Nov. 7. Class 16.

American Aniline Products, Inc, New York, N. Y. Finishing compound. Serial No. 467,837; Nov. 7. Class 6.

Atlantic Refining Company, The, Philadelphia, Pa. Mineral white oils, lubricating oils and greases, etc. Serial Nos. 464,908–9; Nov. 7. Class 15.

Atlas Chemical Company of Texas, Houston, Tex. Detergent cleaning compound and industrial cleaning compounds. Serial No. 462,610; Nov. 7. Class 4.

Barton, Armand, Chicago, Ill. Luminescent pictures. Serial No. 470,908; Nov. 7. Class 38.

Beason, F. R., doing business as The Owl Drug Company, Decatur, Ala. Medicinal preparation for external use. Serial No. 460,645; Nov. 7. Class 6.

Behr-Manning Corporation, Troy, N. Y. Flock coated textile fabrics. Serial No. 455,995; Nov. 7. Class 42.

Benson & Hedges, New York, N. Y. Cigars. Serial No. 462,839; Nov. 7. Class 17.

Bernstein, Harold, & Co., Inc., New York, N. Y. Rayon fabric and silk fabric. Serial No. 469,321; Nov. 7. Class 42.

Bitterman, Sydney, New York, N. Y. Misses' coats and suits. Serial No. 472,663; Nov. 7. Class 39.

Blatz Brewing Company, Milwaukee, Wis. Beer. Serial No. 472,630; Nov. 7. Class 48.

Bra-Wil-Kee, Inc., Detroit, Mich. Toy animals. Serial No. 474,320; Nov. 7. Class 22.

Brown, Nathan J., doing business as Transolene Co., Barrington, Ill. Tracing paper and tracing cloth. Serial No. 469,589; Nov. 7. Class 37.

Buchanan, James, & Company Limited, London, England. Whisky. Serial No. 472,926; Nov. 7. Class 49.

Burris, S. S., doing business as Chemical Solvent Company, Dallas, Tex. General all purpose cleaning compound. Serial No. 471,971; Nov. 7. Class 4.

Burrus Feed Mills. (See Tex-O-Kan Flour Mills Company, Inc.)

California Spray-Chemical Corporation, Wilmington, Del., and Richmond, Calif. Spreaders, wetting agents and parasiticides. Serial Nos. 472,503–5; Nov. 7. Class 6.

Camden Furniture Company, Camden, Ark. Household furniture. Serial No. 470,437; Nov. 7. Class 32.

Caulk, L. D., Company, The, Milford, Del. Preparation for application to dental cavities, gums and dental instruments. Serial No. 472,766; Nov. 7. Class 6.

Central Soya Company, Inc., Fort Wayne, Ind. Edible product. Serial No. 464,877; Nov. 7. Class 46.

Chemical Solvent Company. (See Burris, S. S.)

Chicago Mail Order Company, Chicago, Ill. Women's dresses. Serial No. 448,496; Nov. 7. Class 39.

Childhood Interests, Inc., Roselle, N. J. Educational kindergarten devices. Serial No. 472,273; Nov. 7. Class 22.

Childhood Interests, Inc., Roselle, N. J. Push toys. Serial No. 472,274; Nov. 7. Class 22.

Chocolate Pop Corn Co., Kingston, Pa. Sugar-coated pop corn and cheese-coated pop corn. Serial No. 471,022; Nov. 7. Class 46.

Corinthia, Inc., New York, N. Y. Lipstick. Serial No. 472,621; Nov. 7. Class 6.

Coty, Inc., New York, N. Y. Face powder, dusting powder, toilet water, etc. Serial No. 473,179; Nov. 7; Class 6.

Crawford-Austin Manufacturing Co., Waco, Tex. Ice delivery bags. Serial No. 471,444; Nov. 7. Class 2.

Crest Fabrics Corp., New York, N. Y. Textile fabrics. Serial No. 473,467; Nov. 7. Class 42.

Crowell-Collier Publishing Company, The, New York, N. Y. Periodical publication. Serial No. 472,770; Nov. 7. Class 38.

Davis & Johnson, Van Nuys, Calif. Vitamin, mineral, calcium and phosphorus compound food concentrate. Serial No. 472,044; Nov. 7. Class 6.

Davison Chemical Corporation, The, Baltimore, Md. Silica gel. Serial No. 472,889; Nov. 7. Class 6.

Demarest, L. McGregor, New York, N. Y. Graphic charts. Serial No. 472,637; Nov. 7. Class 38.

Dix, Henry A., & Sons Corporation, New York, N. Y. Uniforms. Serial No. 472,236; Nov. 7. Class 39.

Dubonnet Wine Corporation, New York, N. Y. Wine aperitif. Serial No. 472,638; Nov. 7. Class 47.

Duplan Corporation, The, New York, N. Y. Cords made partly or totally of fireproof material. Serial No. 465,531; Nov. 7. Class 7.

Durallium Products Corporation, Chicago, Ill. Dental alloys, casting materials, dental fittings, etc. Serial Nos. 473,937–8; Nov. 7. Class 44.

Durlin Corporation, The, New York, N. Y. Nail enamel. Serial No. 471,702; Nov. 7. Class 6.

Eckel, Oliver C., doing business as Stic-Klip Mfg. Company, Cambridge, Mass. Adhesive cement. Serial No. 472,946; Nov. 7. Class 5.

Edgewood Farms, Inc., Ridgefield, N. J. Grass seeds. Serial No. 469,751; Nov. 7. Class 1.

Eliscu & Company, New York, N. Y. Toy rattles and baby exercisers. Serial No. 472,843; Nov. 7. Class 22.

Emdee Laboratories, Inc., New York, N. Y. Multiple vitamins. Serial No. 469,627; Nov. 7. Class 6.

Emdee Laboratories, Inc., New York, N. Y. Multiple vitamins with iron and liver concentrate. Serial No. 469,753; Nov. 7. Class 6.

Escalon Packers, Inc., Escalon, Calif. Canned fruits. Serial No. 474,276; Nov. 7. Class 46.

Essex Macaroni Company, Inc., Lawrence, Mass. Noodles, spaghetti and macaroni. Serial No. 463,348; Nov. 7. Class 46.

Everfast Fabrics, Inc., New York, N. Y. Textile fabrics. Serial No. 473,469; Nov. 7. Class 42.

Exhibit Supply Company, Chicago, Ill. Coin-controlled amusement apparatus. Serial Nos. 473,663–4; Nov. 7. Class 22.

F-R Publishing Corporation, The, New York, N. Y. Magazine column. Serial No. 472,737; Nov. 7. Class 38.

Fidelity Medical Supply Company, The, Dayton, Ohio. Disinfecting solution. Serial No. 467,235; Nov. 7. Class 6.

"42" Products, Ltd., doing business as Windsor House, Ltd., Los Angeles, Calif. Cologne. Serial No. 471,338; Nov. 7. Class 6.

Funk Bros. Seed Co., Incorporated, Bloomington, Ill. Seed Corn. Serial No. 473,850; Nov. 7. Class 1.

Gemsco, Inc., New York, N. Y. Folders and portfolios. Serial No. 473,369; Nov. 7. Class 3.

Goodwin Preserving Co., Louisville, Ky. Fruit jam. Serial No. 472,055; Nov. 7. Class 46.

Gotham Hosiery Company, Inc., New York, N. Y., and elsewhere. Knitted and/or woven foot coverings. Serial No. 472,111; Nov. 7. Class 39.

Gross, Nathan, doing business as Strathmore Leather Goods Co., New York, N. Y. Men's and ladies' wallets. Serial No. 473,503; Nov. 7. Class 3.

Grossman & Weissman. (See Weissman, Max S.)

Guerlain Perfumery Corporation of Delaware, Wilmington, Del., and New York, N. Y. Perfumes, toilet water, cologne, etc. Serial No. 472,456; Nov. 7. Class 6.

Guiberson Diesel Engine Company, Dallas, Tex. Diesel engines and parts thereof. Serial No. 470,336; Nov. 7. Class 23.

Gundlach, George P., Cincinnati, Ohio. Ice cream and/or a combination of two varieties or flavors of ice cream; a combination of ice cream and water ice; etc. Serial No. 474,238; Nov. 7. Class 46.

Hall & Ruckel, Inc., New York, N. Y. Brushless shave cream. Serial No. 472,639; Nov. 7. Class 4.

Harbor Plywood Corporation, Hoquiam, Wash. Plywood. Serial No. 464,043; Nov. 7. Class 12.

Harrison, Monroe, Chicago, Ill. Nonalcoholic, maltless, soft drinks and syrups and concentrates for making the same. Serial No. 473,447; Nov. 7. Class 45.

Hildreth, H. L., Co., Boston, Mass. Candy. Serial No. 473,738; Nov. 7. Class 46.

Hoffman-La Roche, Inc., Nutley, N. J. Vitamin preparations. Serial No. 472,776; Nov. 7. Class 6.

Holeproof Hosiery Co., Milwaukee, Wis. Women's underwear. Serial No. 472,673; Nov. 7. Class 39.

Household Products Incorporated, Stamford, Conn. Shampoos. Serial No. 472,564; Nov. 7. Class 6.

Ideal Distributing Company. (See Wise, William H., & Co., Inc.)

Impression Products, Chicago, Ill. Rouge, lipstick, face powder, etc. Serial No. 473,450; Nov. 7. Class 6.

Interstate Bakeries Corporation, doing business as Schulze Baking Company, Kansas City, Mo., Chicago, Ill., Cincinnati, Ohio, Omaha, Nebr., Grand Rapids, Mich., Des Moines, Iowa, and Peoria and Springfield, Ill. Bakery products and namely bread and rolls. Serial No. 456,215; Nov. 7. Class 46.

Iron Fireman Manufacturing Company, Portland, Ore. Automatic coal burners. Serial No. 468,755; Nov. 7. Class 34.

Jacobson, F., & Sons, Inc., New York, N. Y. Men's dress and work shirts. Serial No. 471,609; Nov. 7. Class 39.

Klein, Joseph S., doing business as Sportscaster Publications, Chicago, Ill. Periodical publication. Serial No. 470,341; Nov. 7. Class 38.
Knothe Brothers Co. Inc., New York, N. Y. Men's, women's, boys' and girls' pajamas, shorts, and underwear. Serial No. 472,872; Nov. 7. Class 39.
Krambo Food Stores, Incorporated, Oshkosh, Wis. Wheat flour. Serial No. 466,995; Nov. 7. Class 46.
Krementz & Company, Newark, N. J. Collar buttons, shirt studs, cuff buttons, etc. Serial No. 464,889; Nov. 7. Class 28.
Kwik-Time Products Company. (See Amello, Salvatore.)
Levy Bros. & Adler Rochester, Incorporated, Rochester, N. Y. Men's and boys' topcoats and overcoats and suits. Serial No. 471,747; Nov. 7. Class 39.
Levy, Frank D., et al. (See Wise, William H., & Co., Inc., assignor.)
Lexington Mill & Elevator Company, Lexington, Nebr. Stock feed, hog and pig feed, calf meal, etc. Serial No. 473,743; Nov. 7. Class 46.
Linolite Limited, Burnivale, Malmesbury, Wiltshire, England. Metal hose and pipe fittings. Serial No. 471,706; Nov. 7. Class 13.
Lustberg, Nast & Co., Inc., New York, N. Y. Men's and boys' shirts, jackets and mackinaws; women's jackets; hunting coats for men, etc. Serial No. 471,978; Nov. 7. Class 39.
Marks, Raymond, New York, N. Y. Tumblers, soap dishes, soap boxes, etc. Serial No. 467,730; Nov. 7. Class 2.
Marlon Confections Company, New York, N. Y. Candies. Serial No. 471,953; Nov. 7. Class 46.
Marshall, H. C., and Everette, Farms, La Junta, Colo. Fresh cantaloupes. Serial No. 474,084; Nov. 7. Class 46.
Mills, Dennis, doing business as Uncle Sam Produce, New York, N. Y. Celery. Serial No. 467,345; Nov. 7. Class 46.
Mine and Smelter Supply Company, The, Denver, Colo. Hose pinch valves and parts therefor. Serial No. 462,588; Nov. 7. Class 13.
Modes, Lyonelle, New York, N. Y. Ladies' coats, suits, and jackets. Serial No. 472,460; Nov. 7. Class 39.
Monarch Manufacturing Company, Milwaukee, Wis. Men's and boys' jackets, coats, vests, etc. Serial No. 472,960; Nov. 7. Class 39.
Monsanto Chemical Company, St. Louis, Mo. Synthetic resins. Serial No. 473,106; Nov. 7. Class 1.
Morris, Harry, Associates, Chicago, Ill. Castings or unfinished parts made of composition materials. Serial No. 471,675; Nov. 7. Class 1.
Mount Clemens Mineral Water Company, Inc., The, Mt. Clemens, Mich. Mineral water. Serial No. 473,033; Nov. 7. Class 45.
National Metal Specialties Co., Springfield, Mass. Metal stampings. Serial No. 470,861; Nov. 7. Class 14.
National Mineral Company, The, Chicago, Ill. Permanent hair waving equipment and supplies. Serial No. 469,608; Nov. 7. Class 44.
O'Brien, Hazel, Stamford, Conn. Toys in the form of stuffed animals. Serial No. 462,364; Nov. 7. Class 22.
Orchard Yarn and Thread Company, New York, N. Y. Crochet and knitting cotton, knitting worsted, and rayon yarns. Serial No. 472,819; Nov. 7. Class 43.
Owl Drug Company, The. (See Beason, F. R.)
Package Advertising Company, The. (See Taylor, Henry J.)
Palmonari, Virgilio, doing business as Specialty Manufacturing Co., Chicago, Ill. Toy guns and toy holsters. Serial No. 471,319; Nov. 7. Class 22.
Pantry Products Co. (See Wallace, William.)
Perkins, H., & Sons (Canada) Limited, Montreal, Quebec, Canada. Billfolds, purses, and wallets. Serial No. 472,294; Nov. 7. Class 3.
Perkins, H., & Sons (Canada) Limited, Montreal, Quebec, Canada. Billfolds. Serial No. 473,193; Nov. 7. Class 3.
Polumbaum, Richard, doing business as Richard Polumbaum Company, New York, N. Y. Pins, earrings, pendants, etc. Serial No. 471,814; Nov. 7. Class 28.
Polumbaum, Richard, Company. (See Polumbaum, Richard.)
Protex Products Company, Jersey City, N. J. Food storage bags. Serial No. 467,930; Nov. 7. Class 2.
Pyramid Leather Goods Co., New York, N. Y. Ladies', misses', and children's handbags. Serial No. 473,835; Nov. 7. Class 3.
Reina, Salvatore, doing business as Salva-Gene Chemical Laboratory, San Francisco, Calif. Vitamin preparations. Serial No. 467,074; Nov. 7. Class 6.
Ron Virgin Company, Ltd., Cambridge, Mass. Vodka. Serial No. 469,513; Nov. 7. Class 49.
Royal Craftsmen, New York, N. Y. Simulated pearls. Serial No. 473,197; Nov. 7. Class 28.
S and S Manufacturing Co., Providence, R. I. Articles of jewelry. Serial No. 472,018; Nov. 7. Class 28.
Salva-Gene Chemical Laboratory. (See Reina, Salvatore.)
Sauer, A. F., Company, Milwaukee, Wis. Overalls, sunsuits, and rompers. Serial No. 473,198; Nov. 7. Class 39.
Schlesinger, Henry G., New York, N. Y. Fur skins. Serial No. 462,602; Nov. 7. Class 1.
Schulze Baking Company. (See Interstate Bakeries Corporation.)
Sears, Roebuck, and Co., Chicago, Ill. Educational toys. Serial No. 472,405; Nov. 7. Class 22.
Seeco Records, Inc., New York, N. Y. Phonograph records. Serial No. 474,139; Nov. 7. Class 36.
Service Boot & Legging Co., Inc., The, New York, N. Y. Wallets. Serial No. 471,286; Nov. 7. Class 3.
Shepherd Knit-Wear Co., Inc., New York, N. Y. Women's and girls' slacks, shorts, sport shirts, etc. Serial No. 472,082; Nov. 7. Class 39.
Siegel, Herbert M., et al. (See Wise, William H., & Co., Inc., assignor.)
Siskind, Jack L., New York, N. Y. Knitgoods. Serial No. 473,262; Nov. 7. Class 39.
Sonneborn, L., Sons, Inc., New York, N. Y. Finishing oil compositions for rayon yarn and thread. Serial Nos. 472,653–4; Nov. 7. Class 6.
Specialty Manufacturing Co. (See Palmonari, Virgilio.)
Sportscaster Publications. (See Klein, Joseph S.)
Spotswood Specialty Co. Inc., Lexington, Ky. Cardboard toy which may be referred to as a toy periscope. Serial No. 463,360; Nov. 7. Class 22.
Stalfort, John C., & Sons, Inc., Baltimore, Md. Silver polish, and washing and cleaning preparations. Serial No. 463,403; Nov. 7. Class 4.
Stalfort, John C., & Sons, Inc., Baltimore, Md. Polishing wax in liquid, solid, and paste form. Serial No. 463,404; Nov. 7. Class 16.
Stalfort, John C., & Sons, Inc., Baltimore, Md. Silver polish, and washing and cleaning preparations. Serial No. 463,405; Nov. 7. Class 4.
Stalfort, John C., & Sons, Inc., Baltimore, Md. Polishing wax in liquid, solid and paste form. Serial No. 463,406; Nov. 7. Class 16.
Stalfort, John C., & Sons, Inc., Baltimore, Md. Silver polish, and washing and cleaning preparations. Serial No. 463,407; Nov. 7. Class 4.
Stalfort, John C., & Sons, Inc., Baltimore, Md. Polishing wax in liquid, solid and paste form. Serial No. 463,408; Nov. 7. Class 16.
Stalfort, John C., & Sons, Inc., Baltimore, Md. Silver polish, and washing and cleaning preparations. Serial No. 463,609; Nov. 7. Class 4.
Stalfort, John C., & Sons, Inc., Baltimore, Md. Polishing wax in liquid, solid and paste form. Serial No. 463,610; Nov. 7. Class 16.
Standard Parachute Corporation, San Diego, Calif. Children's slip. Serial No. 472,086; Nov. 7. Class 39.
Stic-Klip Mfg. Company. (See Eckel, Oliver C.)
Strathmore Leather Goods Co. (See Gross, Nathan.)
Stuart, Harry T., Co. Inc., New York, N. Y. Hosiery. Serial No. 470,156; Nov. 7. Class 39.
Sunset Line & Twine Co., San Francisco, Calif. Fishing lines. Serial No. 474,061; Nov. 7. Class 22.
Taunton Pearl Works, Taunton, Mass. Men's jewelry. Serial No. 471,370; Nov. 7. Class 28.
Taylor, Henry J., doing business as The Package Advertising Company, New York, N. Y. Adhesive and non-adhesive bands adapted to be used by the baker around bread and carrying identifying or advertising printed matter; for adhesive tape and for printed labels. Serial No. 472,344; Nov. 7. Class 38.
Tele-Toy Company, New York, N. Y. Airplane toys. Serial No. 473,461; Nov. 7. Class 22.
Tex-O-Kan Flour Mills Company, Inc., doing business as Burrus Feed Mills, Dallas, Tex. Feed concentrates for stock, poultry, and livestock feeds. Serial No. 467,054; Nov. 7. Class 46.
Transolene Co. (See Brown, N. J.)
Uncle Sam Produce. (See Mills, Dennis.)
United States Rubber Company, New York, N. Y. Foamed plastic material in sheet and block form. Serial No. 471,296; Nov. 7. Class 1.
U. S. Sanitary Specialties Corporation, Chicago, Ill. Lather oil hand cleaner. Serial No. 473,400; Nov. 7. Class 4.
Valentine, J. W., Company, Inc., New York, N. Y. Bedspreads and rugs. Serial No. 473,438; Nov. 7. Class 42.
Varsity Manufacturing Company, Inc., New York, N. Y. Children's raincoats. Serial No. 472,684; Nov. 7. Class 39.
Virginia-Lincoln Corporation, Marion, Va. Aircraft structural parts. Serial No. 467,988; Nov. 7. Class 19.
Vollmer, Alberto, Caracas, Venezuela. Rum. Serial No. 470,284; Nov. 7. Class 49.
Wallace, William, doing business as Pantry Products Co. and Ace Preserves, New York, N. Y. Fruit jams. Serial No. 468,768; Nov. 7. Class 46.
Watkins, J. R. Company, The, Winona, Minn. Cologne and perfume. Serial No. 473,355; Nov. 7. Class 6.
Weedon, Charles B., Detroit, Mich. Combination sash and screen windows. Serial No. 465,219; Nov. 7. Class 12.
Weicselbaum, Mildred, et al. (See Wise, William H., & Co., Inc., assignor.)
Weinstein, Ben, et al. (See Wise, William H., & Co., Inc., assignor.)
Weissman, Max S., doing business as Grossman & Weissman, New York, N. Y. Table cloths, towels and napkins. Serial No. 470,643; Nov. 7. Class 42.
Wellman, S. K., Company, The, Cleveland, Ohio. Clutch linings and facings, brake facings, clutch and brake friction members, etc. Serial No. 472,265; Nov. 7. Class 35.
Williamson Candy Co., Chicago, Ill. Candy. Serial No. 474,062; Nov. 7. Class 46.

Windsor House, Ltd. (See "42" Products, Ltd.)
Wise, William H., & Co., Inc., assignor to Mildred Weicselbaum, F. D. Levy, B. Weinstein, and H. M. Siegel, copartners, doing business as Ideal Distributing Company, New York, N. Y. Series of books. Serial No. 473,463; Nov. 7. Class 38.
Wright Fruit Company. (See Wright, R. M.)
Wright, R. M., doing business as Wright Fruit Company, Dinuba, Calif. Fresh fruits. Serial No. 473,239; Nov. 7. Class 46.
Zalkind, Joseph, New York, N. Y. Paper record sheets, paper record strips, payroll checks, etc. Serial No. 472,922; Nov. 7. Class 37.

LIST OF REGISTRANTS OF TRADE-MARKS

Adler Co., The, Cincinnati, Ohio. Hosiery. 410,065; Nov. 7; Serial No. 468,361; published Aug. 8, 1944. Class 39.
Advertising Novelty Manufacturing Co., Philadelphia, Pa. Display cabinets. 410,127; Nov. 7; Serial No. 470,953; published Aug. 29, 1944. Class 32.
Aktiebolaget Elektrolux, Stockholm, Sweden, assignor, by mesne assignments, to Electrolux Corporation, Old Greenwich, Conn. Electrically-driven vacuum cleaners. 195,691; renewed Mar. 3, 1945.
Amboy Milk Products Co., Amboy, Ill. Evaporated milk. 194,029; renewed Jan. 13, 1945.
American Brake Shoe Company, New York, N. Y. Publication. 410,102–4; Nov. 7; Serial Nos. 470,646–8; published Aug. 15, 1944. Class 38.
American Education Press, Inc., Columbus, Ohio. Sectional feature. 410,123; Nov. 7; Serial No. 470,874; published Aug. 15, 1944. Class 38.
American Handbags, Inc., New York, N. Y. Ladies' and children's handbags. 410,174; Nov. 7. Class 3.
American Isteg Steel Corporation, New York, N. Y. Steel concrete reinforcing bars. 410,164; Nov. 7. Class 12.
American Laundry Machinery Company, Norwood Station, Cincinnati, Ohio. Drying machines. 195,544; renewed Feb. 24, 1945.
Amling Wholesale Florist, Inc., San Francisco, Calif. Gardenias, orchids, and corsage bouquets. 410,050; Nov. 7; Serial No. 466,116; published Aug. 29, 1944. Class 1.
Arabol Mf'g Co., The, New York, N. Y. Dry and liquid adhesives. 194,011; renewed Jan. 13, 1945.
Arabol Mf'g Co., The, New York, N. Y. Adhesives in powder and liquid form. 194,804; renewed Feb. 10, 1945.
Arabol Mf'g Co., The, New York, N. Y. Vegetable adhesives. 194,805; renewed Feb. 10, 1945.
Arlen, Olga Louise, New York, N. Y. Cosmetic creams, cosmetic lotions, and cosmetic powders. 193,855; renewed Jan. 6, 1945.
Austin, Nichols & Co., Incorporated, Brooklyn, N. Y. Wines. 410,125; Nov. 7; Serial No. 470,935; published Aug. 22, 1944. Class 47.
Bailey, George S., Hat Company, Inc., Los Angeles, Calif. Men's hats. 410,029; Nov. 7; Serial No. 450,300; published Apr. 20, 1943. Class 39.
Balata, Victor, & Textile Belting Co., New York, N. Y. Solid woven belting. 410,089; Nov. 7; Serial No. 470,249; published Aug. 29, 1944. Class 35.
Battle Creek Food Company, The, Battle Creek, Mich. Laxative. 196,379; renewed Mar. 17, 1945.
Beau-T-Form Foundations, Inc., Chicago, Ill. Shield pantie. 410,031; Nov. 7; Serial No. 456,916; published Feb. 1, 1944. Class 39.
Belding Heminway Company. (See Klein Bros., assignor.)
Belt Modes. (See Rubin, Daniel.)
Bemiss-Jason Corporation, San Francisco, Calif. Boxes, cases, and display containers. 410,140; Nov. 7; Serial No. 471,654; published Aug. 22, 1944. Class 2.
Benes Company. (See Benes, Frank.)
Benes, Frank, doing business as Benes Company, Long Island City, N. Y. Skin ointment. 410,054; Nov. 7; Serial No. 466,720; published Aug. 22, 1944. Class 6.
Berman, Gustave, New York, N. Y. Umbrellas and parasols. 410,107; Nov. 7; Serial No. 470,698; published Aug. 8, 1944. Class 41.
Blaisdell Pencil Company, Philadelphia, Pa. Lead pencils. 410,081; Nov. 7; Serial No. 469,952; published Aug. 29, 1944. Class 37.
Blau, Edward, doing business as Bette Green Frocks, New York, N. Y. Women's, misses', and juniors' dresses. 410,157; Nov. 7. Class 39.
Bradford-Norton, Birmingham, Ala. Ladies' hand bags. 410,077; Nov. 7; Serial No. 469,352; published Aug. 29, 1944. Class 3.
Camden Furniture Company, Camden, Ark. Household furniture. 410,108–9; Nov. 7; Serial Nos. 470,700–1; published Aug. 29, 1944. Class 32.
Cary Maple Sugar Co., assignor to Cary Maple Sugar Company, Inc., St. Johnsbury, Vt. Maple sap sirup. 194,095; renewed Jan. 13, 1945.
Cary Maple Sugar Company, Inc. (See Cary Maple Sugar Co., assignor.)
Celanese Corporation of America, New York, N. Y. Publication. 410,149; Nov. 7; Serial No. 471,207; published Aug. 29, 1944. Class 38.
Central Chemical Corporation, Everett, Pa., and Hagerstown, Md. Insecticide and fungicide. 410,073; Nov. 7; Serial No. 468,951; published June 27, 1944. Class 6.
Chambers Corporation. (See Chambers Manufacturing Company.)
Chambers Manufacturing Company, to Chambers Corporation, Shelbyville, Ind., successor. Fireless cooker attachments. 190,815; renewed Oct. 28, 1944.
Champion, William J., Mystic, Conn. Board game. 410,063; Nov. 7; Serial No. 467,997; published Aug. 29, 1944. Class 22.
Christina, Vincent, & Company, Inc., New York, N. Y. Preparation for intramuscular injection, an organic bismuth compound. 410,069; Nov. 7; Serial No. 468,869; published Aug. 8, 1944. Class 6.
Christina, Vincent, & Company, Inc., New York, N. Y. Iron salt. 410,070; Nov. 7; Serial No. 468,871; published Aug. 8, 1944. Class 6.
Christina, Vincent, & Company, Inc., New York, N. Y. Preparation for intramuscular injection, a stable solution of the natural estrogenic hormone in oil. 410,071; Nov. 7; Serial No. 468,872; published Aug. 8, 1944. Class 6.
Christina, Vincent, & Company, Inc., New York, N. Y. Preparation for intramuscular injection indicated in the treatment of lipoid metabolism, psoriasis, etc. 410,072; Nov. 7; Serial No. 468,873; published Aug. 8, 1944. Class 6.
Clark, Jason G., Norwich, Conn. Magazine and circulars. 410,062; Nov. 7; Serial No. 467,801; published Aug. 15, 1944. Class 38.
Club Aluminum Products Co., Chicago, Ill. Ceramic table refrigerator, and oven ware. 410,038; Nov. 7; Serial No. 461,547; published Aug. 29, 1944. Class 30.
Collins, Ashton B., doing business as Reddy Kilowatt, Short Hills, N. J. Contributions to trade journals or the like. 410,134; Nov. 7; Serial No. 471,443; published Aug. 22, 1944. Class 38.
Collins, L. A., & Company, Inc., Long Beach, Calif., assignor, by mesne assignments, to Lactona, Incorporated, St. Paul, Minn. Tooth paste. 196,390; renewed Mar. 17, 1945.
Columbia Publications, Inc., New York, N. Y., and Holyoke, Mass. Magazine. 410,066; Nov. 7; Serial No. 468,376; published Aug. 22, 1944. Class 38.
Columbian Steel Tank Company, Kansas City, Mo. Sheet metal tanks. 410,173; Nov. 7. Class 2.
Coralite Dental Products Company, Chicago, Ill. Dental materials of plastic composition. 410,168; Nov. 7. Class 44.
Country Boy Sales. (See Gilliam, Paul G.)
Crown Overall Mfg. Company, The, Cincinnati, Ohio. Clothing. 410,032; Nov. 7; Serial No. 458,472; published July 6, 1943. Class 39.
Darnold Company, The. (See Jones, Cornelia.)
David, John, New York, N. Y., by change of name to John David, Inc. Men's suits, including coats, vests, trousers, dress suits, etc. 194,431; renewed Jan. 27, 1945.
David, John, Inc. (See David, John.)
Dell Publishing Company, Inc., New York, N. Y. Series of small size editions of stories. 410,058–61; Nov. 7; Serial Nos. 467,688–91; published Aug. 15, 1944. Class 38.
Dewey and Almy Chemical Company, Cambridge, Mass. Concrete curing compound. 410,067; Nov. 7; Serial No. 468,503; published Aug. 29, 1944. Class 12.
Dover Hall Co., Inc., New York, N. Y. Tobacco pouches. 410,120; Nov. 7; Serial No. 470,830; published Aug. 29, 1944. Class 8.
E. P. S. Company Limited. (See Pritchett & Gold.)
East Idaho Brewing, Inc., Pocatello, Idaho. Beer. 410,098; Nov. 7; Serial No. 470,568; published Aug. 29, 1944. Class 48.
Electrolux Corporation. (See Aktiebolaget Elektrolux, assignor.)
Enro Shirt Company, Inc., The, Louisville, Ky. Men's outer shirts, pajamas, and sport shirts. 410,080; Nov. 7; Serial No. 469,754; published Aug. 1, 1944. Class 39.
Enterprise Manufacturing Company, to E. S. Matthews, Inc., Spokane, Wash., successor. Refrigerating machinery. 191,345; renewed Nov. 4, 1944.
Facil Fabrics Company, New York, N. Y. Articles made of laminated rayon ribbon, laminated rayon piece goods, etc. 410,056; Nov. 7; Serial No. 467,272; published Aug. 29, 1944. Class 50.
Fairfield Mfg. Co. (See Weinberg, Charles.)
Farley Fruit Company, Salinas, Calif. Fresh vegetables. 410,148; Nov. 7; Serial No. 471,153; published Aug. 29, 1944. Class 46.
Fawcett Publications, Robbinsdale, Minn., to Fawcett Publications, Inc., Greenwich, Conn., successor. Monthly publication. 189,992; renewed Sept. 30, 1944.
Fawcett Publications, Inc. (See Fawcett Publications.)

Fetzer, Dr. William J., San Antonio, Tex. Newspaper or periodical feature. 410,119; Nov. 7; Serial No. 470,813; published Aug. 15, 1944. Class 38.
Fiske, Jonathan P. B., Auburndale, Mass. Flame coloring material. 410,088; Nov. 7; Serial No. 470,223; published Aug. 22, 1944. Class 6.
Fligel, Ben, Co., New York, N. Y. Sport shirts and sport jackets. 410,115; Nov. 7; Serial No. 470,793; published Aug. 15, 1944. Class 39.
Fligel, Ben, Co., New York, N. Y. Sport jackets and snow suits. 410,116; Nov. 7; Serial No. 470,794; published Aug. 1, 1944. Class 39.
Floquil Products, Inc., New York, N. Y. Pigmented penetrating inks. 410,110; Nov. 7; Serial No. 470,717; published Aug. 29, 1944. Class 11.
Fox River Paper Corporation, Appleton, Wis. Writing paper. 410,126; Nov. 7; Serial No. 470,942; published Aug. 29, 1944. Class 37.
Fox, Rupert C. (See Newsham Insurance System Co.)
Friedman, Sol, & Sons, New York, N. Y. Ladies' slips. 410,096; Nov. 7; Serial No. 470,529; published Aug. 8, 1944. Class 39.
General Optical Company, Inc., Mount Vernon, N. Y. Chairs and cabinets. 192,315; renewed Dec. 2, 1944.
Gilliam, Paul G., doing business as Country Boy Sales and R. E. Gilliam Sons Co., Hopkinsville, Ky. Raincoats. 410,111; Nov. 7; Serial No. 470,720; published Aug. 1, 1944. Class 39.
Gilliam, R. E., Sons Co. (See Gilliam, Paul G.)
Goodman-Kleiner Co. Inc., New York, N. Y. Clinical thermometers, hypodermic needles, hypodermic syringes, etc. 410,068; Nov. 7; Serial No. 468,565; published Aug. 29, 1944. Class 44.
Grayleigh Sportswear Co., Chicago, Ill. Men's and boys' jackets. 410,151; Nov. 7; Serial No. 471,258; published Aug. 29, 1944. Class 39.
Green, Bette, Frocks. (See Blau, Edward.)
Greenpoint Metallic Bed Co., Inc., Brooklyn, to Greenpoint Metallic Bed Co. Inc., New York, N. Y. Bedsteads. 189,742; renewed Sept. 23, 1944.
Gruen Watch Company, The, Cincinnati, Ohio. Watches, watch cases, and watch movements. 410,036; Nov. 7; Serial No. 461,370; published Aug. 29, 1944. Class 27.
Guerlain Perfumery Corporation, The. (See Societe Guerlain.)
Guerlain Perfumery Corporation, Wilmington, to The Guerlain Perfumery Corporation, Wilmington, Del., and New York, N. Y. Soaps. 192,772; renewed Dec. 9, 1944.
Guerlain Perfumery Corporation, Wilmington, to The Guerlain Perfumery Corporation, Wilmington, Del., and New York, N. Y. Perfumes, eau de cologne, toilet waters, etc. 193,391; renewed Dec. 30, 1944.
Guiterman Bros., Inc., St. Paul, Minn. Clothing for sport, work and other wear. 410,033; Nov. 7; Serial No. 459,111; published Aug. 1, 1944. Class 39.
Guttenberg Wine Co. (See Watstein, Ben.)
Half-Fare Frocks. (See Hutchinson, Helen.)
Happiness Candy Stores Inc., Wilmington, Del., and Long Island City, assignor, by mesne assignments, to Loft Candy Corporation, Long Island City, N. Y. Nonalcoholic, maltless beverage. 194,842; renewed Feb. 10, 1945.
Haron Manufacturing Company, Inc., New York, N. Y. Hospital and institutional garments. 195,375; renewed Feb. 24, 1945.
Hillman Periodicals, Inc., New York, N. Y. Magazine or publication. 410,138; Nov. 7; Serial No. 471,606; published Aug. 22, 1944. Class 38.
Hohner, M., Inc., New York, N. Y. Mouth harmonicas. 196,511; renewed Mar. 17, 1945.
Horvath, John, Wallington, N. J. Hair tonic. 410,122; Nov. 7; Serial No. 470,854; published Aug. 22, 1944. Class 6.
Howe, Charles H., doing business as Modern Foods Alliance, Los Angeles, Calif. Prepared seasoning. 410,170; Nov. 7. Class 46.
Hutchinson, Helen, doing business as Half-Fare Frocks, St. Louis, Mo. Children's dresses, coats, and suits. 410,092; Nov. 7; Serial No. 470,500; published Aug. 8, 1944. Class 39.
Import Publications, Inc., New York, N. Y. Column or section of a magazine. 410,078; Nov. 7; Serial No. 469,599; published Aug. 22, 1944. Class 38.
Iowa Feed Company. (See Stormes, Chauncey M.)
Isaacs, Joel, Shirt Co., New York, N. Y. Outer shirts for men. 410,167; Nov. 7. Class 39.
Isaacs, Joel, Shirt Co., New York, N. Y. Outer shirts. 410,171; Nov. 7. Class 39.
Island Mining and Trading Corporation, Habana, Cuba. Stick candies, hard candies, caramels, etc. 410,041; Nov. 7; Serial No. 462,053; published Aug. 29, 1944. Class 46.
Jonat Candy Corp., Brooklyn, N. Y. Candy. 410,042; Nov. 7; Serial No. 463,024; published Aug. 29, 1944. Class 46.
Jones, Cornelia, doing business as The Darnoid Company, Chicago, Ill. Ointment for treating piles. 410,112; Nov. 7; Serial No. 470,724; published Aug. 22, 1944. Class 6.
Jones-Young Manufacturing Co., New York, N. Y. Canvas baby swings, toy ironing boards and toy block sets. 410,137; Nov. 7; Serial No. 471,525; published Aug. 29, 1944. Class 22.
Katz Drug Company, Kansas City, Mo. Aspirin, iron, and yeast, medicinal mineral oil, etc. 410,079; Nov. 7; Serial No. 469,731; published Aug. 22, 1944. Class 6.
Kay-White Products, Inc., assignor, by mesne assignments, to Star-Kay White, New York, N. Y. Caramel paste, nouget cream, marshmallow topping, etc. 192,240; renewed Dec. 2, 1944.
Kelly, Marion Francis, Richmond, Va. Liquid solvent particularly adapted for increasing motor performance. 410,030; Nov. 7; Serial No. 451,569; published May 12, 1942. Class 6.
Klein Bros., assignor to Belding Heminway Company, New York, N. Y. Silks and crêpes in the piece. 195,586; renewed Feb. 24, 1945.
Klisto, Maurice, doing business as Paramount Picture Frame Company, New York, N. Y. Photograph and picture frames, odd tables, and framed and unframed mirrors. 410,169; Nov. 7. Class 32.
Lactona, Incorporated. (See Collins, L. A., & Company, Inc., assignor.)
Lafond Chocolatier, New York, N. Y. Candy. 410,064; Nov. 7; Serial No. 468,036; published Aug. 29, 1944. Class 46.
Landsberger, S. W., Chemical Works, Inc., New York, N. Y. Edible acids, coloring matter, preservatives. 410,051; Nov. 7; Serial No. 466,412; published Aug. 22, 1944. Class 6.
Laros Textiles Company, Bethlehem, Pa. Ladies' undergarments. 410,155; Nov. 7. Class 39.
Lederer Industries, Inc., The, New York, N. Y. Toy spinning tops. 410,135; Nov. 7; Serial No. 471,451; published Aug. 29, 1944. Class 22.
Leichter, Emil, New York, N. Y. Watches. 410,147; Nov. 7; Serial No. 471,350; published Aug. 29, 1944. Class 27.
Lewis Drug Company, The, Marianna, Fla., assignor, by mesne assignments, to Lewis Drug Company, Montgomery, Ala. Eye wash and salve. 193,700; renewed Jan. 6, 1945.
Library Bureau, Cambridge, Mass., assignor, by mesne assignments, to Remington Rand Inc., Buffalo, N. Y. Blank, partially-printed, and guide cards for indexes, etc. 193,941–2; renewed Jan. 13, 1945.
Library Bureau, Cambridge, Mass., assignor, by mesne assignments, to Remington Rand Inc., Buffalo, N. Y. Index cards, printed and partially-printed forms, record cards, etc. 195,083; renewed Feb. 17, 1945.
Library Bureau, Cambridge, Mass., assignor, by mesne assignments, to Remington Rand Inc., Buffalo, N. Y. Indexes and parts thereof. 195,241; renewed Feb. 17, 1945.
Library Bureau, Cambridge, Mass., assignor, by mesne assignments, to Remington Rand Inc., Buffalo, N. Y. Indexes and parts thereof. 195,263; renewed Feb. 17, 1945.
Loft Candy Corporation. (See Happiness Candy Stores Inc., assignor.)
Loft Candy Corporation. (See Loft, Inc., assignor.)
Loft, Inc., New York, assignor to Loft Candy Corporation, Long Island City, N. Y. Candies. 195,435; renewed Feb. 24, 1945.
Los Angeles Soap Comjany, Los Angeles, Calif. Soap. 195,245; renewed Feb. 17, 1945.
Luedke, Edward A., Shoe Co., assignor to Milwaukee Shoe Company, Milwaukee, Wis. Boots and shoes. 194,404–5; renewed Jan. 27, 1945.
Magnaflux Corporation, Chicago, Ill. Hand cream. 410,037; Nov. 7; Serial No. 461,466; published Aug. 22, 1944. Class 6.
Matthews, E. S., Inc. (See Enterprise Manufacturing Company.)
McDougall-Butler Co., Inc., Buffalo, N. Y. Varnish. 410,143; Oct. 31; Serial No. 471,093; published Aug. 29, 1944. Class 16.
McGraw-Hill Publishing Company, Inc., New York, N. Y. Magazines. 410,043; Nov. 7; Serial No. 464,058; published Aug. 1, 1944. Class 38.
McLin, DeForest. (See McLin, George H.)
McLin, George H., to DeForest McLin, Huntington, Ind., successor. Beverages, medicines, chewing gum, etc. 25,266; re-renewed Sept. 25, 1944.
Mead Johnson & Company, Evansville, Ind. Publications. 410,099; Nov. 7; Serial No. 470,578; published Aug. 22, 1944. Class 38.
Merkin, M. J., Paint Co., New York, N. Y. Interior and exterior ready-mixed paint. 195,069; renewed Feb. 17, 1945.
Merrill Hosiery Co., Inc., Hornell, N. Y. Hosiery. 195,834; renewed Mar. 3, 1945.
Meyer, A. I., Corporation, Boston, Mass. Gabardine coats. 410,086; Nov. 7; Serial No. 470,149; published Aug. 8, 1944. Class 39.
Midwest Manufacturing and Engineering Corp, Boston, Mass., and New York, N. Y. Wall and door racks. 410,075; Nov. 7; Serial No. 469,087; published Aug. 29, 1944. Class 13.
Millville Manufacturing Company, The, Philadelphia, Pa. Cotton piece goods. 196,274; renewed Mar. 17, 1945.

Milwaukee Shoe Company. (See Luedke, Edward A., Shoe Co., assignor.)
Miniature Incandescent Lamp Corporation, now by change of name Tung-Sol Lamp Works, assignor to Tung-Sol Lamp Works, Inc., Newark, N. J. Electrical incandescent lamps. 195,382; renewed Feb. 24, 1945.
Mock, Judson Voehringer Company, Inc., Long Island City, N. Y. Hosiery. 410,144; Nov. 7; Serial No. 471,095; published Aug. 8, 1944. Class 39.
Modern Foods Alliance. (See Howe, Charles H.)
Monsanto Chemical Company, St. Louis, Mo. Synthetic resin compositions. 410,100–1; Nov. 7; Serial Nos. 470,625–6; published Aug. 29, 1944. Class 1.
Morris, Harry, Associates, Chicago, Ill. Compacts. 410,141; Nov. 7; Serial No. 471,677; published Aug. 29, 1944. Class 2.
Myer 1890 Bottling Co. Inc., New York, N. Y. Nonalcoholic, non-cereal maltless beverages and syrups and extracts for making the same. 410,084; Nov. 7; Serial No. 470,082; published Aug. 22, 1944. Class 45.
National Acme Company, The, Cleveland, Ohio. Metal-working machines and tools. 190,244; renewed Oct. 7, 1944.
National Association of Personnel Directors, Chicago, Ill. Publication issue monthly. 410,076; Nov. 7; Serial No. 469,164; published Aug. 22, 1944. Class 38.
National Plastics Products Company, Odeton, Md. Plastic tubing. 410,093; Nov. 7; Serial No. 470,508; published Aug. 29, 1944. Class 35.
Nelson, James, Ltd., Bradford, England. Bindings, braids, galloons, etc. 410,049; Nov. 7; Serial No. 465,875; published Aug. 15, 1944. Class 40.
New England Mackintosh Co., Inc., Framingham, Mass. Infants', children's, and misses' ski suits; men's and women's raincoats and sport suits. 410,094; Nov. 7; Serial No. 470,509; published Aug. 15, 1944. Class 39.
New Jersey Zinc Company, The, New York, N. Y. Zinc oxide, zinc sulphide base pigments, etc. 410,128; Nov. 7; Serial No. 470,989; published Aug. 29, 1944. Class 16.
Newsham Insurance System Co., San Francisco, to Rupert C. Fox, doing business as Newsham Insurance System Co., Berkeley, Calif., successor. Printer forms. 191,303; renewed Nov. 4, 1944.
Norlund, O. A., Co., to O. A. Norlund Company Inc., Williamsport, Pa., successor. Fish gaffs. 194,821; renewed Feb. 10, 1945.
Norlund, O. A., Company Inc. (See Norlund, Olof A.)
Northwest Automatic Candy Corporation, Seattle, Wash. Candy. 410,156; Nov. 7. Class 46.
Nunez, Indalecio, Guadalajara, Mexico. Tequila. 410,046; Nov. 7; Serial No. 464,713; published Aug. 15, 1944. Class 49.
Oneita Knitting Mills, Utica, N. Y. Knit underwear for women and girls. 196,321; renewed Mar. 17, 1945.
Originalities, New York, N. Y. Toy consisting of a rotary member having a string affixed to the opposite ends thereof. 410,090; Nov. 7; Serial No. 470,465; published Aug. 29, 1944. Class 22.
Paramount Picture Frame Company. (See Klisto, Maurice.)
Parents' Institute, Inc., The, New York, N. Y. Publication. 410,132–3; Nov. 7; Serial No. 471,413–14; published Aug. 22, 1944. Class 38.
Pecora Paint Company, Philadelphia, Pa. Calking compound. 410,162; Nov. 7. Class 12.
Permo, Incorporated, Chicago, Ill. Phonograph styli. 410,044; Nov. 7; Serial No. 464,584; published Aug. 22, 1944. Class 36.
Pervo Company, The, Los Angeles, Calif. Paint products. 410,027; Nov. 7; Serial No. 440,521; published Aug. 29, 1944. Class 16.
Phensic Limited, London, England. Medicinal preparation for human use. 410,095; Nov. 7; Serial No. 470,511; published Aug. 22, 1944. Class 6.
Physicians & Hospitals Supply Company, Inc., doing business as Ulmer Pharmacal Company, Minneapolis, Minn. Detergent preparation. 410,048; Nov. 7; Serial No. 465,565; published Aug. 29, 1944. Class 4.
Pioneer Coffee Company, Moorhead, Minn. Coffee. 189,583; renewed Sept. 23, 1944.
Portela, J. M., & Co., Inc., Arecibo, P. R. Rum. 410,052; Nov. 7; Serial No. 466,541; published Aug. 22, 1944. Class 49.
Pritchett & Gold and E. P. S. Company Limited, London, England. Storage-battery and acid-proof boxes, cases, etc. 192,374; renewed Dec. 2, 1944.
Procter & Gamble Company, The, Cincinnati, Ohio. Shampoo. 410,124; Nov. 7; Serial No. 470,895; published Aug. 22, 1944. Class 6.
Professional Management, Battle Creek, Mich. Printed and ruled blank forms. 410,028; Nov. 7; Serial No. 449,433; published Aug. 29, 1944. Class 37.
Pro-phy-lac-tic Brush Company, Northampton, Mass. Hair brush and comb sets, etc. 410,035; Nov. 7; Serial No. 460,966; published Nov. 16, 1943. Class 40.
Rand Rubber Company, Brooklyn, N. Y. Baby pants. 410,105; Nov. 7; Serial No. 470,677; published Aug. 1, 1944. Class 39.
Real Silk Hosiery Mills, Inc., Indianapolis, Ind. Hosiery. 410,142; Nov. 7; Serial No. 471,049; published Aug. 22, 1944. Class 39.
Reddy Kilowatt. (See Collins, Ashton, B.)
Reichhold Chemicals, Inc., Detroit, Mich. Synthetic plastic resins. 410,091; Nov. 7; Serial No. 470,466; published Aug. 29, 1944. Class 1.
Remington Rand Inc. (See Library Bureau, assignor.)
Remington Rand Inc. (See Remington Typewriter Company, assignor.)
Remington Typewriter Company, Ilion and New York, assignor to Remington Rand Inc., Buffalo, N. Y. Carbon paper. 195,604; renewed Feb. 24, 1945.
Rewl Publications, Inc., New York, N. Y. Magazines. 410,113; Nov. 7; Serial No. 470,736; published Aug. 29, 1944. Class 38.
Reyes & Betita Co., Arroya Grande, Calif. Fresh vegetables. 410,055; Nov. 7; Serial No. 467,208; published Aug. 29, 1944. Class 46.
Rieser Company, Inc., The, New York, N. Y. Abrasive blocks. 410,039; Nov. 7; Serial No. 461,617; published Aug. 29, 1944. Class 44.
Rockmont Envelope Company, Denver, Colo. Packets of envelopes and writing paper. 410,172; Nov. 7. Class 37.
Ross Chemical Company. (See Ross, Lillie R.)
Ross, Lillie, doing business as Ross Chemical Company, Oklahoma City, Okla. Preparation for the treatment of hog cholera. 410,087; Nov. 7; Serial No. 470,213; published Aug. 22, 1944. Class 6.
Rubin, Daniel, doing business as Belt Modes, New York, N. Y. Ladies' handbags. 410,129; Nov. 7; Serial No. 471,686; published Aug. 29, 1944. Class 3.
Rushbrook Farm Products Co., New York, N. Y. Cheese. 410,139; Nov. 7; Serial No. 471,633; published Aug. 29, 1944. Class 46.
Schabelitz, Ernest J., doing business as Schabelitz Research Laboratories, San Diego, Calif. Container containing a prophylactic rubber article, a tube of jelly, etc. 410,057; Nov. 7; Serial No. 467,619; published Aug. 29, 1944. Class 44.
Schabelitz Research Laboratories. (See Schabelitz, Ernest J.)
Scherl & Roth, Inc., Cleveland, Ohio. Violins, guitars, mandolins, etc. 410,166; Nov. 7. Class 36.
Schneierson, I., & Sons, Inc., New York, N. Y. Ladies' and children's pajamas. 410,159; Nov. 7. Class 39.
Scott Aviation Corporation, Lancaster, N. Y. Metal gas manifolds, pipe, pipe fittings, etc. 410,152; Nov. 7. Class 13.
Seal-Tite Company, The, Dayton, Ohio. Combination screen and storm windows. 410,158; Nov. 7. Class 12.
Sears, Roebuck and Co., Chicago, Ill. Diamonds. 410,145; Nov. 7; Serial No. 471,104; published Aug. 29, 1944. Class 28.
Selman & Birch, New York, N. Y. Finger rings, articles of jewelry. 410,085; Nov. 7; Serial No. 470,122; published Aug. 29, 1944. Class 28.
Shellmar Products Company, Mount Vernon, Ohio. Merchandise bags. 410,053; Nov. 7; Serial No. 466,590; published Aug. 29, 1944. Class 2.
Silver Trouser Mfg. Co., Chicago, Ill. Men's wearing apparel. 410,045; Nov. 7; Serial No. 464,590; published Aug. 22, 1944. Class 39.
Societe Guerlain, Paris, France, to The Guerlain Perfumery Corporation, Wilmington, Del., and New York, N. Y. Perfumes. 191,919; renewed Nov. 25, 1944.
Squirt Company, The, Beverly Hills, Calif. Nonalcoholic grapefruit drink and bases and syrups and extracts for making same. 410,117; Nov. 7; Serial No. 470,807; published Aug. 22, 1944. Class 45.
Standard Oil Company (New Jersey), Bayonne, N. J., assignor to Standard Oil Company of New Jersey, Wilmington, Del. Refined, semirefined, and unrefined oils, etc. 194,116; renewed Jan. 13, 1945.
Star Kay White. (See Kay-White Products, Inc., assignor.)
Stix, Baer and Fuller Company, St. Louis, Mo. Floral bouquet soap. 410,040; Nov. 7; Serial No. 461,721; published Sept. 21, 1943. Class 4.
Stormes, Chauncey M., doing business as Iowa Feed Company, Des Moines, Iowa. Feed supplements. 410,034; Nov. 7; Serial No. 460,458; published Aug. 22, 1944. Class 46.
Sun-Maid Raisin Growers of California, Fresno, Calif. Dried raisins. 196,085; renewed Mar. 10, 1945.
Sun-Maid Raisin Growers of California, Fresno, Calif. Dried raisins and dried fruits. 196,186; renewed Mar. 10, 1945.
Sunnytown Togs, Inc., Casselberry and Fern Park, Fla. Boys' overalls, jumpers, suits, etc. 410,150; Nov. 7; Serial No. 471,238; published Aug. 29, 1944. Class 39.
Sure-Rite Products Company, Philadelphia, Pa. Chemical composition. 410,097; Nov. 7; Serial No. 470,546; published Aug. 22, 1944. Class 6.
Sweet-Orr & Co., Inc., Wappingers Falls and New York, N. Y. Apron overalls, waist overalls, and overall sack coats. 195,973; renewed Mar. 10, 1945.
Towne Talk Company, Los Angeles, Calif. Orange juice, syrups, extracts, and flavor bases. 410,106; Nov. 7; Serial No. 470,690; published Aug. 22, 1944. Class 45.
Tung-Sol Lamp Works. (See Miniature Incandescent Lamp Corporation.)
Tung-Sol Lamp Works, Inc. (See Miniature Incandescent Lamp Corporation, assignor.)

20th Century Beverage Co., Philadelphia, Pa. Non-alcoholic, non-cereal, maltless, carbonated beverages and syrups and extracts and flavors for making the same. 410,118; Nov. 7; Serial No. 470,808; published Aug. 22, 1944. Class 45.

Ulmer Pharmacal Company. (See Physicians & Hospitals Supply Company, Inc.)

Union Oil Company of California, Los Angeles, Calif. Petroleum asphalts. 410,047; Nov. 7; Serial No. 465,052; published Aug. 29, 1944. Class 12.

United States Time Corporation, The, Waterbury, Conn. Watches. 410,074; Nov. 7; Serial No. 469,025; published June 13, 1944. Class 27.

Vanderbilt, Lucretia, Lt'd, New York, N. Y. Perfume and cologne. 410,114; Nov. 7; Serial No. 470,780; published Aug. 22, 1944. Class 6.

Warwick Chemical Company, West Warwick, R. I. Water repellent finish for textiles. 410,121; Nov. 7; Serial No. 470,842; published Aug. 22, 1944. Class 6.

Watsonville Exchange, Inc., Watsonville, Calif. Fresh deciduous fruits and fresh vegetables. 410,160; Nov. 7. Class 46.

Watstein, Ben, doing business as Guttenberg Wine Co., New York, N. Y., and Guttenberg, N. J. Wines. 410,136; Nov. 7; Serial No. 471,465; published Aug. 22, 1944. Class 47.

Weaver Pres-Kloth Company, Omaha, Nebr. Garment pressing pads. 410,154; Nov. 7. Class 24.

Weinberg, Charles, doing business as Fairfield Mfg. Co., New York, N. Y. Cloth strainers. 410,165; Nov. 7. Class 13.

Weinstein, Morris, New York, N. Y. Children's and juniors', misses', and infants' coats and suits. 410,146; Nov. 7; Serial No. 471,110; published Aug 29, 1944. Class 39.

Westgate Sea Products Company, San Diego, Calif. Canned tuna fish. 410,153; Nov. 7. Class 46.

Whittaker Laboratories, Inc., New York, N. Y. Cream-like spermicidal preparations. 410,161; Nov. 7. Class 6.

Willson Goggles, Inc., Reading, Pa., by change of name to Willson Products, Inc. Ophthalmic mountings and parts thereof. 195,713; renewed Mar. 3, 1945.

Willson Products, Inc. (See Willson Goggles, Inc.)

Wilson's, William M., Sons, Philadelphia, Pa. Self-closing faucets. 410,083; Nov. 7; Serial No. 469,978; published Aug. 29, 1944. Class 13.

Wolff, Arthur, doing business as Arthur Wolff Company, New York, N. Y. Men's, boys', and women's pajamas, and men's and boys' outer shirts. 410,082; Nov. 7; Serial No. 469,882; published Aug. 15, 1944. Class 39.

Wolff, Arthur, Company. (See Wolff, Arthur.)

Wolff, B. S., Newark, N. J. Garbage cans, trash cans, and waste paper baskets; and paper bags. 410,163; Nov. 7. Class 2.

Wyler, Alfred, New York, N. Y. Watches. 410,130–1; Nov. 7; Serial No. 471,378–9; published Aug. 29, 1941. Class 27.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Gardenias, orchids, and corsage bouquets. Amling Wholesale Florist, Inc. 410,050; Nov. 7; Serial No. 466,116; published Aug. 29, 1944.

Resin compositions, Synthetic. Monsanto Chemical Company. 410,100–1; Nov. 7; Serial Nos. 470,625–6; published Aug. 29, 1944.

Resins, Synthetic plastic. Reichhold Chemicals, Inc. 410,091; Nov. 7; Serial No. 470,466; published Aug. 29, 1944.

CLASS 2

Bags, Merchandise. Shellmar Products Company. 410,053; Nov. 7; Serial No. 466,590; published Aug. 29, 1944.

Boxes, cases and display containers. Bemiss-Jason Corporation. 410,140; Nov. 7; Serial No. 471,654; published Aug. 22, 1944.

Cans, trash cans, and waste paper baskets; and paper bags, Garbage. B. S. Wolff. 410,163; Nov. 7.

Compacts. Harry Morris Associates. 410,141; Nov. 7; Serial No. 471,677; published Aug. 29, 1944.

Tanks, Sheet metal. Columbian Steel Tank Company. 410,173; Nov. 7.

CLASS 3

Bags, Ladies' hand. Bradford-Norton. 410,077; Nov. 7; Serial No. 469,352; published Aug. 29, 1944.

Handbags, Ladies'. D. Rubin. 410,129; Nov. 7; Serial No. 471,686; published Aug. 29, 1944.

Handbags, Ladies' and children's. American Handbags, Inc. 410,174; Nov. 7.

CLASS 4

Detergent preparation. Physicians & Hospitals Supply Company, Inc. 410,048; Nov. 7; Serial No. 465,565; published Aug. 20, 1944.

Soap. Los Angeles Soap Company. 195,245; renewed Feb. 17, 1945.

Soap, Floral boquet. Stix, Baer and Fuller Company. 410,040; Nov. 7; Serial No. 461,721; published Sept. 21, 1943.

Soaps. Guerlain Perfumery Corporation. 192,772; renewed Dec. 9, 1944.

CLASS 5

Adhesives, Dry and liquid. Arabol Mf'g Co. 194,011; renewed Jan. 13, 1945.

Adhesives in powder and liquid form. Arabol Mf'g Co. 194,804; renewed Feb. 10, 1945.

Adhesives, Vegetable. Arabol Mf'g Co. 194,805; renewed Feb. 10, 1945.

CLASS 6

Acids, coloring matter, preservatives, Edible. S. W. Landsberger Chemical Works, Inc. 410,051; Nov. 7; Serial No. 466,412; published Aug. 22, 1944.

Aspirin, iron and yeast, medicinal mineral oil, etc. Katz Drug Company. 410,079; Nov. 7; Serial No. 469,731; published Aug. 22, 1944.

Beverages, medicines, chewing gum, etc. G. H. McLin. 25,266; re-renewed Nov. 7, 1944.

Chemical composition, Sure-Rite Products Company. 410,097; Nov. 7; Serial No. 470,546; published Aug. 22, 1944.

Cream, Hand. Magnaflux Corporation. 410,037; Nov. 7; Serial No. 461,466; published Aug. 22, 1944.

Creams, cosmetic lotions, and cosmetic powders, Cosmetic. O. L. Arlen. 193,855; renewed Jan. 6. 1945.

Eye wash and salve. Lewis Drug Company. 193,700; renewed Jan. 6, 1945.

Flame coloring material. J. P. B. Fiske. 410,088; Nov. 7; Serial No. 470,223; published Aug. 22, 1944.

Hair tonic. J. Horvath. 410,122; Nov. 7; Serial No. 470,854; published Aug. 22, 1944.

Insecticide and fungicide. Central Chemical Corporation. 410,073; Nov. 7; Serial No. 468,951; published June 27, 1944.

Iron salt. Vincent Christina & Company. 410,070; Nov. 7; Serial No. 468,871; published Aug. 8, 1944.

Laxative. Battle Creek Food Company. 196,379; renewed Mar. 17, 1945.

Medicinal preparation for human use. Phensic Limited. 410,095; Nov. 7; Serial No. 470,511; published Aug. 22, 1944.

Ointment for treating piles. C. Jones. 410,112; Nov. 7; Serial No. 470,724; published Aug. 22, 1944.

Ointment, Skin. F. Benes. 410,054; Nov. 7; Serial No. 466,720; published Aug. 22, 1944.

Perfume and cologne. Lucretia Vanderbilt Lt'd. 410,114; Nov. 7; Serial No. 470,780; published Aug. 22, 1944.

Perfums. Societe Guerlain. 191,919; renewed Nov. 25, 1944.

Perfumes, eau de cologne, toilet waters, etc. Guerlain Perfumery Corporation. 193,391; renewed Dec. 30, 1944.

Preparation for intramuscular injection, a stable solution of the natural estrogenic hormone in oil. Vincent Christina & Company. 410,071; Nov. 7; Serial No. 468,872; published Aug. 8, 1944.

Preparation for intramuscular injection, an organic bismuth compound. Vincent Christina & Company. 410,069; Nov. 7; Serial No. 468,869; published Aug. 8, 1944.

Preparation for intramuscular injection indicated in the treatment of lipoid metabolism, psoriasis, etc. Vincent Christina & Company. 410,072; Nov. 7; Serial No. 468,873; published Aug. 8, 1944.

Preparation for the treatment of hog cholera. L. R. Ross. 410,087; Nov. 7; Serial No. 470,213; published Aug. 22, 1944.

Shampoo. Procter & Gamble Company. 410,124; Nov. 7; Serial No. 470,895; published Aug. 22, 1944.

Solvent particularly adapted for increasing motor performance, Liquid. M. F. Kelly. 410,030; Nov. 7; Serial No. 451,569; published May 12, 1942.

Spermicidal preparations, Cream-like. Whittaker Laboratories, Inc. 410,161; Nov. 7.

Tooth paste. L. A. Collins & Company. 196,390; renewed Mar. 17, 1945.

Water repellent finish for textiles. Warwick Chemical Company. 410,121; Nov. 7; Serial No. 470,842; published Aug. 22, 1944.

CLASS 8

Pouches, Tobacco. Dover Hall Co. 410,120; Nov. 7; Serial No. 470,830; published Aug. 29, 1944.

CLASS 11

Inks, Pigmented penetrating. Floquil Products, Inc. 410,110; Nov. 7; Serial No. 470,717; published Aug. 29, 1944.

Paper, Carbon. Remington Typewriter Company. 195,604; renewed Feb. 24, 1945.

CLASS 12

Asphalts, Petroleum. Union Oil Company of California. 410,047; Nov. 7; Serial No. 465,052; published Aug. 29, 1944.

Calking compound. Pecora Paint Company. 410,162; Nov. 7.

Concrete curing compound. Dewey and Almy Chemical Company. 410,067; Nov. 7; Serial No. 468,503; published Aug. 29, 1944.

Screen and storm windows, Combination. Seal-Tite Company. 410,158; Nov. 7.

Steel concrete reinforcing bars. American Isteg Steel Corporation. 410,164; Nov. 7.

CLASS 13

Faucets, Self-closing. William M. Wilson's Sons. 410,083; Nov. 7; Serial No. 469,978; published Aug. 29, 1944.

Gas manifolds, pipe, pipe fittings, etc., Metal. Scott Aviation Corporation. 410,152; Nov. 7.

Racks, Wall and door. Midwest Manufacturing and Engineering Corp. 410,075; Nov. 7; Serial No. 469,087; published Aug. 29, 1944.

Strainers, Cloth. C. Weinberg. 410,165; Nov. 7.

CLASS 15

Oils, etc., Refined, semirefined, and unrefined. Standard Oil Company (New Jersey). 194,116; renewed Jan. 31, 1945.

CLASS 16

Oxide, zinc sulphide base pigments, etc., Zinc. New Jersey Zinc Company. 410,128; Nov. 7; Serial No. 470,989; published Aug. 29, 1944.

Paint, Interior and exterior ready-mixed. M. J. Merkin Paint Co. 195,069; renewed Feb. 17, 1945.

Paint products. Pervo Company. 410,027; Nov. 7; Serial No. 440,521; published Aug. 29, 1944.

Varnish. McDougall-Butler Co. 410,143; Nov. 7; Serial No. 471,093; published Aug. 29, 1944.

CLASS 21

Electrical incandescent lamps. Miniature Incandescent Lamp Corporation. 195,382; renewed Feb. 24, 1945.

Electrically-driven vacuum cleaners. Aktiebolaget Elektrolux. 195,691; renewed Mar. 3, 1945.

Storage-battery and acid-proof boxes, cases, etc. Pritchett & Gold. 192,374; renewed Dec. 2, 1944.

CLASS 22

Fish gaffs. O. A. Norlund. 194,821; renewed Feb. 10, 1945.

Game, Board. W. J. Champion. 410,063; Nov. 7; Serial No. 467,997; published Aug. 29, 1944.

Swings, toy ironing boards and toy block sets, Canvas baby. Jones-Young Manufacturing Co. 410,137; Nov. 7; Serial No. 471,525; published Aug. 29, 1944.

Toy consisting of a rotary member having a string affixed to the opposite ends thereof. Originalities. 410,090; Nov. 7; Serial No. 470,465; published Aug. 29, 1944.

Toy spinning tops. Lederer Industries, Inc. 410,135; Nov. 7; Serial No. 471,451; published Aug. 29, 1944.

CLASS 23

Machines and tools, Metal-working. National Acme Company. 190,244; renewed Oct. 7, 1944.

CLASS 24

Drying machines. American Laundry Machinery Company. 195,544; renewed Feb. 24, 1945.

Garment pressing pads. Weaver Pres-Kloth Company. 410,154; Nov. 7.

CLASS 26

Chairs and cabinets. General Optical Company. 192,315; renewed Dec. 2, 1944.

Ophthalmic mountings and parts thereof. Willson Goggles, Inc. 195,713; renewed Mar. 3, 1945.

CLASS 27

Watches. E. Leichter. 410,147; Nov. 7; Serial No. 471,350; published Aug. 29, 1944.

Watches. United States Time Corporation. 410,074; Nov. 7; Serial No. 469,025; published June 13, 1944.

Watches. A. Wyler. 410,130–1; Nov. 7; Serial Nos. 471,378–9; published Aug. 29, 1944.

Watches, watch cases, and watch movements. Gruen Watch Company. 410,036; Nov. 7; Serial No. 461,370; published Aug. 29, 1944.

CLASS 28

Diamonds. Sears, Roebuck and Co. 410,145; Nov. 7; Serial No. 471,104; published Aug. 29, 1944.

Rings, articles of jewelry, Finger. Selman & Birch. 410,085; Nov. 7; Serial No. 470,122; published Aug. 29, 1944.

CLASS 30

Table, refrigerator and oven ware, Ceramic. Club Aluminum Products Co. 410,038; Nov. 7; Serial No. 461,547; published Aug. 29, 1944.

CLASS 31

Refrigerating machinery. Enterprise Manufacturing Company. 191,345; renewed Nov. 4, 1944.

CLASS 32

Bedsteads. Greenpoint Metallic Bed Co. 189,742; renewed Sept. 23, 1944.

Cabinets, Display. Advertising Novelty Manufacturing Co. 410,127; Nov. 7; Serial No. 470,953; published Aug. 29, 1944.

Frames, odd tables, and framed and unframed mirrors, Photograph and picture. M. Klisto. 410,169; Nov. 7.

Furniture, Household. Camden Furniture Company. 410,108–9; Nov. 7; Serial Nos. 470,700–1; published Aug. 29, 1944.

CLASS 34

Cooker attachments, Fireless. Chambers Manufacturing Company. 190,815; renewed Oct. 28, 1944.

CLASS 35

Belting, Solid woven. Victor Balata & Textile Belting Co. 410,089; Nov. 7; Serial No. 470,249; published Aug. 29, 1944.

Tubing, Plastic. National Plastic Products Company. 410,093; Nov. 7; Serial No. 470,508; published Aug. 29, 1944.

CLASS 36

Harmonicas, Mouth. M. Hohner, Inc. 196,511; renewed Mar. 17, 1945.

Phonograph styli. Permo, Incorporated. 410,044; Nov. 7; Serial No. 464,584; published Aug. 22, 1944.

Violins, guitars, mandolins, etc. Scheri & Roth, Inc. 410,166; Nov. 7.

CLASS 37

Blank forms, Printed and ruled. Professional Management. 410,028; Nov. 7; Serial No. 449,433; published Aug. 29, 1944.

Blank, partially-printed, and guide cards for indexes, etc. Library Bureau. 193,941–2; renewed Jan. 13, 1945.

Cards, printed and partially-printed forms, record cards, Index. Library Bureau. 195,083; renewed Feb. 17, 1945.

Indexes and parts thereof. Library Bureau. 195,241; renewed Feb. 17, 1945.

Indexes and parts thereof. Library Bureau. 195,263; renewed Feb. 17, 1944.

Packets of envelopes and writing paper. Rockmont Envelope Company. 410,172; Nov. 7.

Paper, Writing. Fox River Paper Corporation. 410,126; Nov. 7; Serial No. 470,942; published Aug. 29, 1944.

Pencils, Lead. Blaisdell Pencil Company. 410,081; Nov. 7; Serial No. 469,952; published Aug. 29, 1944.

Printer form. Newsham Insurance System Co. 191,303; renewed Nov. 4, 1944.

CLASS 38

Column or section of a magazine. Import Publications, Inc. 410,078; Nov. 7; Serial No. 469,599; published Aug. 22, 1944.

Contributions to trade journals or the like. A. B. Collins. 410,134; Nov. 7; Serial No. 471,443; published Aug. 22, 1944.

Feature, Sectional. American Education Press, Inc. 410,123; Nov. 7; Serial No. 470,874; published Aug. 15, 1944.

Magazine. Columbia Publications, Inc. 410,066; Nov. 7; Serial No. 468,376; published Aug. 22, 1944.

Magazine and circulars. J. G. Clark. 410,062; Nov. 7; Serial No. 467,801; published Aug. 15, 1944.

Magazine or publication. Hillman Periodicals, Inc. 410,138; Nov. 7; Serial No. 471,606; published Aug. 22, 1944.

Magazines. McGraw-Hill Publishing Company. 410,043; Nov. 7; Serial No. 464,058; published Aug. 1, 1944.

Magazines. Rewl Publications, Inc. 410,113; Nov. 7; Serial No. 470,736; published Aug. 29, 1944.

Newspaper or periodical feature. Dr. W. J. Fetzer. 410,119; Nov. 7; Serial No. 470,813; published Aug. 15, 1944.

Publication. American Brake Shoe Company. 410,102–4; Nov. 7; Serial Nos. 470,646–8; published Aug. 15, 1944.

Publication. Celanese Corporation of America. 410,149; Nov. 7; Serial No. 471,207; published Aug. 29, 1944.

Publication. Parents' Institute, Inc. 410,132–3; Nov. 7; Serial Nos. 471,413–4; published Aug. 22, 1944.

Publication issued monthly. National Association of Personnel Directors. 410,076; Nov. 7; Serial No. 469,164; published Aug. 22, 1944.

Publication, Monthly. Fawcett Publications. 189,992; renewed Sept. 30, 1944.

Publications. Mead Johnson & Company. 410,099; Nov. 7; Serial No. 470,578; published Aug. 22, 1944.
Stories, Series of small size editions of. Dell Publishing Company. 410,058–61; Nov. 7; Serial Nos. 467,688–91; published Aug. 15, 1944.

CLASS 39

Boots and shoes. Edward A. Luedke Shoe Co. 194,404–5; renewed Jan. 27, 1945.
Clothing. Crown Overall Mfg. Company. 410,032; Nov. 7; Serial No. 458,472; published July 6, 1943.
Clothing for sport, work and other wear. Guiterman Bros., Inc. 410,033; Nov. 7; Serial No. 459,111; published Aug. 1, 1944.
Coats and suits, Children's and juniors', misses' and infants'. M. Weinstein. 410,146; Nov. 7; Serial No. 471,110; published Aug. 29, 1944.
Coats, Gabardine. A. I. Meyer Corporation. 410,086; Nov. 7; Serial No. 470,149; published Aug. 8, 1944.
Dresses, coats, and suits, Children's. H. Hutchinson. 410,092; Nov. 7; Serial No. 470,500; published Aug. 8, 1944.
Dresses, Women's, misses', and juniors'. E. Blau. 410,157; Nov. 7.
Garments, Hospital and institutional. Haron Manufacturing Company. 195,375; renewed Feb. 24, 1945.
Hats, Men's. George S. Bailey Hat Company. 410,029; Nov. 7; Serial No. 450,300; published Apr. 20, 1943.
Hosiery. Adler Co. 410,065; Nov. 7; Serial No. 468,361; published Aug. 8, 1944.
Hosiery. Merrill Hosiery Co. 195,834; renewed Mar. 3, 1945.
Hosiery. Mock, Judson Voehringer Company. 410,144; Nov. 7; Serial No. 471,095; published Aug. 8, 1944.
Hosiery. Real Silk Hosiery Mills, Inc. 410,142; Nov. 7; 410,142; Nov. 7; Serial No. 471,049; published Aug. 22, 1944.
Jackets and snow suits. Ben Fligel Co. 410,116; Nov. 7; Serial No. 470,794; published Aug. 1, 1944.
Jackets, Men's and boys'. Grayleigh Sportswear Co. 410,151; Nov. 7; Serial No. 471,258; published Aug. 29, 1944.
Overalls, jumpers, suits, etc., Boys'. Sunnytown Togs, Inc. 410,150; Nov. 7; Serial No. 471,238; published Aug. 29, 1944.
Overalls, waist overalls, and overall sack coats, Apron. Sweet-Orr & Co. 195,973; renewed Mar. 10, 1945.
Pajamas, and men's and boys' outer shirts, Men's, boys' and women's. A. Wolff. 410,082; Nov. 7; Serial No. 469,882; published Aug. 15, 1944.
Pajamas, Ladies' and children's. I. Schneierson & Sons, Inc. 410,159; Nov. 7.
Pantie, Shield. Beau-T-Form Foundations, Inc. 410,031; Nov. 7; Serial No. 456,916; published Feb. 1, 1944.
Pants, Baby. Rand Rubber Company. 410,105; Nov. 7; Serial No. 470,677; published Aug. 1, 1944.
Raincoats. P. G. Gilliam. 410,111; Nov. 7; Serial No. 470,720; published Aug. 1, 1944.
Shirts and sport jackets, Sport. Ben Fligel Co. 410,115; Nov. 7; Serial No. 470,793; published Aug. 15, 1944.
Shirts for men, Outer. Joel Isaacs Shirt Co. 410,167; Nov. 7.
Shirts, Outer. Joel Isaacs Shirt Co. 410,171; Nov. 7.
Shirts, pajamas, and sport shirts, Men's outer. Enro Shirt Company. 410,080; Nov. 7; Serial No. 469,754; published Aug. 1, 1944.
Ski suits; men's and women's raincoats and sport suits, Infants', children's and misses'. New England Mackintosh Co. 410,094; Nov. 7; Serial No. 470,509; published Aug. 15, 1944.
Slips, Ladies'. Sol Friedman & Sons. 410,096; Nov. 7; Serial No. 470,529; published Aug. 8, 1944.
Suits, including coats, vests, trousers, dress suits, etc., Men's. J. David. 194,431; renewed Jan. 27, 1945.
Undergarments, Ladies'. Laros Textiles Company. 410,155; Nov. 7.
Underwear for women and girls, Knit. Oneita Knitting Mills. 196,321; renewed Mar. 17, 1945.
Wearing apparel, Men's. Silver Trouser Mfg. Co. 410,045; Nov. 7; Serial No. 464,590; published Aug. 22, 1944.

CLASS 40

Bindings, braids, galloons, etc. James Nelson, Ltd. 410,049; Nov. 7; Serial No. 465,875; published Aug. 15, 1944.
Brush and comb sets, etc., Hair. Pro-phy-lac-tic Brush Company. 410,035; Nov. 7; Serial No. 460,966; published Nov. 16, 1943.

CLASS 41

Umbrellas and parasols. G. Berman. 410,107; Nov. 7; Serial No. 470,698; published Aug. 8, 1944.

CLASS 42

Cotton piece goods. Millville Manufacturing Company. 196,274; renewed Mar. 17, 1945.
Silks and crêpes in the piece. Klein Bros. 195,586; renewed Feb. 24, 1945.

CLASS 44

Abrasive blocks. Rieser Company. 410,039; Nov. 7; Serial No. 461,617; published Aug. 29, 1944.
Container containing a prophylactic rubber article, a tube of jelly, etc. E. J. Schabelitz. 410,057; Nov. 7; Serial No. 467,619; published Aug. 29, 1944.
Dental materials of plastic composition. Coralite Dental Products Company. 410,168; Nov. 7.
Thermometers, hypodermic needles, hypodermic syringes, etc., Clinical. Goodman-Kleiner Co. Inc. 410,068; Nov. 7; Serial No. 468,565; published Aug. 29, 1944.

CLASS 45

Beverage, Non-alcoholic, maltless. Happiness Candy Stores Inc. 194,842; renewed Feb. 10, 1945.
Beverages and syrups and extracts for making the same, Non-alcoholic, non-cereal maltless. Myer 1890 Bottling Co. Inc. 410,084; Nov. 7; Serial No. 470,082; published Aug. 22, 1944.
Beverages and syrups and extracts for making the same, Non-alcoholic, non-cereal maltless carbonated. 20th Century Beverage Co. 410,118; Nov. 7; Serial No. 470,808; published Aug. 22, 1944.
Beverages, medicines, chewing gum, etc. G. H. McLinn. 25,266; re-renewed Sept. 25, 1944.
Grapefruit drink and bases and syrups and extracts for making same, Non-alcoholic. Squirt Company. 410,117; Nov. 7; Serial No. 470,807; published Aug. 22, 1944.
Orange juice, syrups, extracts and flavor bases. Towne Talk Company. 410,106; Nov. 7; Serial No. 470,690; published Aug. 22, 1944.

CLASS 46

Beverages, medicines, chewing gum, etc. G. H. McLin. 25,266; re-renewed Sept. 25, 1944.
Candies. Loft, Inc. 195,435; renewed Feb. 24, 1945.
Candies, hard candies, caramels, etc., Stick. Island Mining and Trading Corporation. 410,041; Nov. 7; Serial No. 462,053; published Aug. 29, 1944.
Candy. Jonat Candy Corp. 410,042; Nov. 7; Serial No. 463,024; published Aug. 29, 1944.
Candy. Lafond Chocolatier. 410,064; Nov. 7; Serial No. 468,036; published Aug. 29, 1944.
Candy. Northwest Automatic Candy Corporation. 410,156; Nov. 7.
Canned tuna fish. Westgate Sea Products Company. 410,153; Nov. 7.
Caramel paste, nougat cream, marshmallow topping, etc. Kay-White Products, Inc. 192,240; renewed Dec. 2, 1944.
Cheese. Rushbrook Farm Products Co. 410,139; Nov. 7; Serial No. 471,633; published Aug. 29, 1944.
Coffee. Pioneer Coffee Company. 189,583; renewed Sept. 23, 1944.
Feed supplements. C. M. Stormes. 410,034; Nov. 7; Serial No. 460,458; published Aug. 22, 1944.
Fruits and fresh vegetables, Fresh deciduous. Watsonville Exchange, Inc. 410,160; Nov. 7.
Milk, Evaporated. Amboy Milk Products Co. 194,029; renewed Jan. 13, 1945.
Raisins and dried fruits, Dried. Sun-Maid Raisin Growers of California. 196,186; renewed Mar. 10, 1945.
Raisins, Dried. Sun-Maid Raisin Growers of California. 196,085; renewed Mar. 10, 1945.
Seasoning, Prepared. C. H. Howe. 410,170; Nov. 7.
Sirup, Maple sap. Cary Maple Sugar Co. 194,095; renewed Jan. 13, 1945.
Vegetables, Fresh. Farley Fruit Company. 410,148; Nov. 7; Serial No. 471,153; published Aug. 29, 1944.
Vegetables, Fresh. Reyes & Betita Co. 410,055; Nov. 7; Serial No. 467,208; published Aug. 29, 1944.

CLASS 47

Wines. Austin, Nichols & Co. 410,125; Nov. 7; Serial No. 470,935; published Aug. 22, 1944.
Wines. B. Watstein. 410,136; Nov. 7; Serial No. 471,465; published Aug. 22, 1944.

CLASS 48

Beer. East Idaho Brewing, Inc. 410,098; Nov. 7; Serial No. 470,568; published Aug. 29, 1944.

CLASS 49

Rum. J. M. Portela & Co. 410,052; Nov. 7; Serial No. 466,541; published Aug. 22, 1944.
Tequila. I. Nunez. 410,046; Nov. 7; Serial No. 464,713; published Aug. 15, 1944.

CLASS 50

Articles of laminated rayon ribbon, laminated rayon piece goods, etc. Facil Fabrics Company. 410,056; Nov. 7; Serial No. 467,272; published Aug. 29, 1944.

LIST OF DESIGN PATENTEES

Amyot, Piérre, Quebec, Quebec, Canada. Brassière. 139,365; Nov. 7.
Appel, Robert, New York, N. Y. Plaque unit for articulated fabric or similar article. 139,344; Nov. 7.
Appel, Robert, New York, N. Y. Plaque unit for articulated fabric or similar article. 139,345; Nov. 7.
Ayers, William J., New Castle, Pa. Coin bank. 139,366; Nov. 7.
Baer, Theodoré M., New York, N. Y. Skirt. 139,357; Nov. 7.
Balboni, Joseph, Elmwood, Conn. Shoe. 139,334; Nov. 7.
Balint, Alvin A., New York, N. Y. Display plaque for automobiles. 139,346; Nov. 7.
Barbieri, Nicholas, Providence, R. I., assignor to Uncas Manufacturing Company. Brooch or similar article. 139,373; Nov. 7.
Barbieri, Nicholas, Providence, R. I., assignor to Uncas Manufacturing Company. Brooch or similar article. 139,374; Nov. 7.
Barbieri, Nicholas, Providence, R. I., assignor to Uncas Manufacturing Company. Brooch or similar article. 139,375; Nov. 7.
Barbieri, Nicholas, Providence, R. I., assignor to Uncas Manufacturing Company. Brooch or similar article. 139,392; Nov. 7.
Barbieri, Nicholas, Providence, R. I., assignor to Uncas Manufacturing Company. Brooch or similar article. 139,393; Nov. 7.
Beatty, Clarence E., Colorado Springs, Colo. Belt buckle. 139,358; Nov. 7.
Belknap, Eugene M., et al. (See Perry, Archie N., assignor.)
Bissell, Marion H., Chicago, Ill. Combination cleaning and polishing device. 139,376; Nov. 7.
Bissell, Marion H., Chicago, Ill. Combination cleaning and polishing device. 139,377; Nov. 7.
Buffalo Fire Appliance Corporation. (See Smith, Howard C., assignor.)
Coleman, Eugene, North Hollywood, Calif. Bottle. 139,378; Nov. 7.
Coleman, Eugene, North Hollywood, Calif. Bottle. 139,379; Nov. 7.
Coleman, Eugene, North Hollywood, Calif. Bottle. 139,380; Nov. 7.
Dann, Charles W., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Combined stand and induction device holder for telephones. 139,369; Nov. 7.
De Kolb, Eric, New York, N. Y. Handbag. 139,335; Nov. 7.
De Pasquale, John, and A. Westerman, assignors to Hardy Metal Specialties Inc., Brooklyn, N. Y. A hand bag frame. 139,336; Nov. 7.
De Pasquale, John, and A. Westerman, assignors to Hardy Metal Specialties Inc., Brooklyn, N. Y. Clasp for a hand bag or similar article. 139,337; Nov. 7.
Duffner, Carl A., Cleveland, Ohio. Air diffuser or the like. 139,347; Nov. 7.
Edison, Thomas A., Incorporated. (See Dann, Charles W., assignor.)
Eubank, Judson C., New York, N. Y. Picture frame or similar article. 139,348; Nov. 7.
Eubank, Judson C., New York, N. Y. Combination cigarette container and dispenser. 139,370; Nov. 7.
General Weaves, Inc. (See Lewis, John A., assignor.)
George, Harry F., Chicago, Ill. Door knob or the like. 139,338; Nov. 7.
Goldenstein, Philip, New York, N. Y. Scarf. 139,394; Nov. 7.
Goldenstein, Philip, New York, N. Y. Scarf. 139,395; Nov. 7.
Goldenstein, Philip, New York, N. Y. Scarf. 139,396; Nov. 7.
Gotsch, Walter M., Company. (See Hauck, Marie F., assignor.)
Hardy Metal Specialties Inc. (See De Pasquale, J., and Westerman, assignors.)
Harris, Benjamin, Los Angeles, Calif. Combined bottle and cap. 139,381; Nov. 7.
Hauck, Marie F., assignor to Walter M. Gotsch Company, Chicago, Ill. House coat. 139,397; Nov. 7.
Hiltenbrand, Frank X., New York, N. Y. Handbag. 139,382; Nov. 7.
Hobé, William W., New York, N. Y. Brooch pin or similar article. 139,339; Nov. 7.
Hobé, William W., New York, N. Y. Bracelet or similar article. 139,340; Nov. 7.
Huckabee, Walter G., Silver Grove, Ky. Marine indicator. 139,387; Nov. 7.
Huckabee, Walter G., Silver Grove, Ky. Marine indicator. 139,388; Nov. 7.
Kasen, Daniel, Newark, N. J. Teething ring or similar article. 139,389; Nov. 7.
Keller, Carroll J., Chicago, Ill. Agricultural implement head. 139,367; Nov. 7.
Kessler, Mathilda R., Chicago, Ill. Wall protector for electric flush switches. 139,368; Nov. 7.
Lampl, Walter, New York, N. Y. Pocket container for pills and the like. 139,383; Nov. 7.
Leavitt, Max, New York, N. Y. Skirt. 139,359; Nov. 7.
Leavitt, Max, New York, N. Y. Skirt. 139,360; Nov. 7.
Leavitt, Max, New York, N. Y. Skirt. 139,361; Nov. 7.
Lewis, John A., Upper Montclair, N. J., assignor to General Weaves, Inc., New York, N. Y. Advertising device. 139,398; Nov. 7.
Moor, Dudley W., Jr., et al. (See Perry, Archie N., assignor.)
Murray Corporation of America, The. (See Trombley, Bertrand N., assignor.)
Olson, August A., Bremerton, Wash. Play house. 139,399; Nov. 7.
Page, Herbert E., Alhambra, Calif. Hydraulic jack. 139,341; Nov. 7.
Perry, Archie N., assignor to D. W. Moor, Jr., and E. M. Belknap, Toledo, Ohio. Wheeled toy. 139,342; Nov. 7.
Porche, Annie, Houma, La. Ration point holder. 139,384; Nov. 7.
Rauch, John D., Fort Wayne, Ind. Crane cab. 139,385; Nov. 7.
Roney, Robert G. (See Setterstedt, Carl A., assignor.)
Rothbardt, Adolph M., Chicago, Ill. Combined tray and medicine holders. 139,349; Nov. 7.
Rubenstein, Max, New York, N. Y. Sweater. 139,390; Nov. 7.
Rubin, Daniel, New York, N. Y. Combined handbag and hat. 139,371; Nov. 7.
Salz Brothers, Inc. (See Schladermundt, P., and Wurster, assignors.)
Schladermundt, Peter, Bronxville, and D. H. Wurster, assignors to Salz Brothers, Inc., New York, N. Y. Combined inkwell and penholder. 139,400; Nov. 7.
Schoenherr, Mary G., Detroit, Mich. Doll. 139,350; Nov. 7.
Seelbach, Lewis C., Buffalo, N. Y. Flag. 139,351; Nov. 7.
Senkewitz, Charles F., Detroit, Mich. Paring knife. 139,352; Nov. 7.
Setterstedt, Carl A., Cicero, assignor of one-third to R. G. Roney, Chicago, Ill. Game board. 139,372; Nov. 7.
Silson, Jack, New York, N. Y. Brooch pin. 139,353; Nov. 7.
Smith, Howard C., assignor to Buffalo Fire Appliance Corporation, Buffalo, N. Y. Hand fire extinguisher. 139,391; Nov. 7.
Temlitz, Paul E., Chicago, Ill. Toy. 139,343; Nov. 7.
Trombley, Bertrand N., Oak Park, assignor to The Murray Corporation of America, Detroit, Mich. Faucet. 139,354; Nov. 7.
Trombley, Bertrand N., Oak Park, assignor to The Murray Corporation of America, Detroit, Mich. Faucet. 139,355; Nov. 7.
Uncas Manufacturing Company. (See Barbieri, Nicholas, assignor.)
Vine, Thomas L., New York, N. Y. Toy. 139,401; Nov. 7.
Westerman, Alexander. (See De Pasquale, J., and Westerman.)
Wieder, Sam, New York, N. Y. Suit or similar article. 139,362; Nov. 7.
Wieder, Sam, New York, N. Y. Suit or similar article. 139,363; Nov. 7.
Wieder, Sam, New York, N. Y. Suit or similar article. 139,364; Nov. 7.
Worden, James A., Portage, Wis. Toboggan. 139,386; Nov. 7.
Wurster, David H. (See Schladermundt, P., and Wurster.)
Yandell, Anne, New York, N. Y. Sock or similar article. 139,356; Nov. 7.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 7TH DAY OF NOVEMBER, 1944

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abegg & Reinhold Company, Ltd. (See Abegg, Walter A., assignor.)

Abegg, Walter A., assignor to Abegg & Reinhold Company, Ltd., Los Angeles, Calif. Elevator and table support for drill pipes. 2,362,042; Nov. 7.

Ackerly, Orville B., Jr., Piedmont, assignor to Oliver United Filters Incorporated, Oakland, Calif. Filter. 2,362,231; Nov. 7.

Acme Steel Company. (See MacChesney, C. M., and Schroeder, assignors.)

Adel Precision Products Corp. (See Ellinwood, Herman R., assignor.)

Adel Precision Products Corp. (See Issoglio, L. P., and Ellinwood, assignors.)

Adel Precision Products Corp. (See Kelly, John W., assignor.)

Adel Precision Products Corp. (See Robertson, Archibald, assignor.)

Agriculture of the United States of America, and his successors in office, Claude R. Wickard as Secretary of. (See Gertler, S. L., and Haller, assignors.)

Aircooled Motors Corporation. (See Loetterle, Frederick J., assignor.)

Air-Way Electric Appliance Corporation. (See Burmeister, F. H., and Flatz, assignors.)

Albert, Robert L., Arlington, Va. Safety razor. 2,361,921; Nov. 7.

Aldis, Arthur C. W., assignor to Aldis Brothers Limited, Sparkhill, Birmingham, England. Signaling apparatus. 2,363,333; Nov. 7.

Aldis Brothers Limited. (See Aldis, Arthur C. W., assignor.)

Alien Property Custodian. (See Seemann, Johannes.)

Allen, Herbert, Houston, Tex., assignor, by mesne assignments, to Cameron Iron Works, Inc. Weight indicator. 2,361,915; Nov. 7.

Allen, Russell G., Alton, Ill., assignor to Owens-Illinois Glass Company. Mold operating mechanism for glass blowing machines. 2,362,427; Nov. 7.

Alley, Marvin B., Birmingham, Ala. Spike puller. 2,362,334; Nov. 7.

Allied Chemical & Dye Corporation. (See Hurst, Dee A., assignor.)

Almy, Ernest G. (See Hales, R. A., Almy, Young, and Pratt.)

Althoff, Lawrence A., Chicago, Ill. Range top structure. 2,361,916; Nov. 7.

Althoff, Lawrence A., Chicago, Ill. Stove or heater. 2,361,917; Nov. 7.

Altoona Sanitary Laundry. (See Steinberg, Sander.)

Aluminum Company of America. (See Hogg, Emerson E., assignor.)

Ambruster, Cornelius, Roslyn, assignor to The Electric Storage Battery Company, Philadelphia, Pa. Vent structure for storage batteries. 2,362,335; Nov. 7.

American Can Company. (See Hothersall, J. M., and Murch, assignors.)

American Can Company. (See Jordan, Warren D., assignor.)

American Can Company. (See Nyden, Robert, assignor.)

American Can Company. (See Pelosi, Nicholas, assignor.)

American Cyanamid Company. (See Anderson, George W., assignor.)

American Cyanamid Company. (See Barnes, R. B., and Moore, assignors.)

American Cyanamid Company. (See Hultquist, Martin E., assignor.)

American Cyanamid Company. (See Jayne, D. W., Jr., Day, and Erickson, assignors.)

American Cyanamid Company. (See Mecco, Jerry M., assignor.)

American Cyanamid Company. (See Thurston, J. T., and Grim, assignors.)

American Optical Company. (See Bernheim, Daniel P., assignor.)

American Optical Company. (See Lehmberg, William H., assignor.)

American Viscose Corporation. (See Denyssen, I. P., and Pfalzgraff, assignors.)

American Viscose Corporation. (See Heymann, Karl, assignor.)

Anchor Cap & Closure Corporation. (See Von Till, Louis A., assignor.)

Anderson, George W., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Sulphonamide derivatives of 2-amino-oxazole and their production. 2,362,336; Nov. 7.

Anderson, George W., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Making 2-aminooxazole. 2,362,337; Nov. 7.

Anderson, Gordon R., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Centrifugal apparatus. 2,361,906; Nov. 7.

Anderson, Lawrence C., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Valve. 2,362,338; Nov. 7.

Anderson Products, Inc. (See Upton, John.)

Andrews, Norwood H., assignor to International Pulverizing Corporation, Moorestown, N. J. Pulverizing. 2,361,922; Nov. 7.

Anschicks, Rudolph J., assignor to Protectoseal Company of America, Inc., Chicago, Ill. Compensator. 2,362,232; Nov. 7.

Apple, Edward M., et al. (See Keahey, Frank S., Jr., assignor.)

Armington, George E., South Euclid, assignor to The Euclid Road Machinery Co., Euclid, Ohio. Fluid operated servomotor. 2,362,339; Nov. 7.

Arneson, Edwin L., Morris, assignor to Morris Paper Mills, Chicago, Ill. Box. 2,361,923; Nov. 7.

Atlas Powder Company. (See Hales, R. A., Almy, Young, and Pratt, assignors.)

Aust, Robert J. (See Rosser, T. N., and Aust.)

Autogas Company. (See Furlong, Francis A., assignor.)

Automatic Voting Machine Corporation. (See Gustavson, Alvin N., assignor.)

Automotive Products Company, Limited. (See Eves, Frederick S., assignor.)

Bacon, Henry M., assignor to The Dayton Rubber Manufacturing Company, Dayton, Ohio. Long draft textile apron. 2,362,340; Nov. 7.

Baird, Albert W., Cranford, N. J., assignor to The Linde Air Products Company. Electric welding apparatus. 2,361,918; Nov. 7.

Bakelite Corporation. (See Mazzucchelli, Arthur P., assignor.)

Baker & Co. Inc. (See Jones, Harry J., assignor.)

Baker, Leonard, Hillsdale, N. J., and G. A. Martin, assignors to Dexter Folder Company, Pearl River, N. Y. Sheet feeding. 2,361,907; Nov. 7.

Baker, Malvern S., Pontiac, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Seal. 2,362,341; Nov. 7.

Baker, Robert, Alexandria, and C. W. Davis, Summitville, Ind., assignors to The Mantle Lamp Company of America, Chicago, Ill. Liquid fuel burning device of pressure. 2,362,342; Nov. 7.

Baker, William O., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Manufacture of cellulose acetate solutions. 2,362,182; Nov. 7.

Baldwin, Harry W. (See Ruau, F. F., and Baldwin.)

Bank of America National Trust and Savings Association. (See Tarwater, L., and McKenzie, assignor.)

Bannon, John H., Union, N. J., assignor to Standard Oil Development Company. Lubricants. 2,362,233; Nov. 7.

Barber, Howard M., Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Securing printing plates to their cylinders. 2,361,919; Nov. 7.

Barger, Winslow H., Seattle, Wash. Device for marking powder lines. 2,362,234; Nov. 7.

Barnes, Norman F., Schenectady, N. Y., assignor to General Electric Company. Apparatus for indicating variations in densities of transparent media. 2,362,235; Nov. 7.

Barnes, Robert B., and L. P. Moore, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Producing diammonium monoalkali metal ferricyanide. 2,362,183; Nov. 7.

Barrett, Guy, Market Harborough, assignor to Wycliffe Foundry & Engineering Co. Limited, Lutterworth, England. Locking mechanism for control gears. 2,361,920; Nov. 7.

Bassler, Edward F., Lake Stevens, Wash. Molded shingle. 2,362,236; Nov. 7.

Bath, Cyril J., Hudson, Ohio. Control mechanism for press brakes or similar machines. 2,362,343; Nov. 7.

Baver, Leonard D., Raleigh, N. C., and B. T. Shaw, assignors to The Ohio State University Research Foundation, Columbus, Ohio. Apparatus for measuring moisture. 2,362,344; Nov. 7.

Bayers, George W., Denver, Colo. Sanitary douche. 2,361,008; Nov. 7.

Beam, Vilynn O. (See Higley, F. R., and Beam.)

Beaulieu, Ezra J., Downers Grove, and M. J. Christiansen, Chicago, Ill., assignors to Western Electric Company, Incorporated. Article handling apparatus. 2,362,043; Nov. 7.

Beckwith Manufacturing Company. (See Harrison, Raymond B., assignor.)

Behm, Arthur A., et al. (See Wilson, Ray O., assignor.)

Bell & Howell Company, The. (See Howell, Albert A., assignor.)

Bell Telephone Laboratories, Incorporated. (See Baker, William O., assignor.)

Bell Telephone Laboratories, Incorporated. (See Biggs, B. S., Morgan, and White, assignors.)

Bell Telephone Laboratories, Incorporated. (See Botsford, Nelson, assignor.)

Bell Telephone Laboratories, Incorporated. (See Darlington, Sidney, assignor.)

Bell Telephone Laboratories, Incorporated. (See Edson, James O., assignor.)

Bell Telephone Laboratories, Incorporated. (See Goddard, Myron C., assignor.)

Bell Telephone Laboratories, Incorporated. (See Wiese, Floyd M., assignor.)

Bell Telephone Laboratories, Incorporated. (See Wright, Edgar E., assignor.)

Bendix Aviation Corporation. (See Blake, Kenneth R., assignor.)

Bendix-Westinghouse Automotive Air Brake Company. (See Casler, Roger H., assignor.)

Benjamin, Claude A. (See Jacob, Smith A., assignor.)

Benninghofen, Paul, et al., trustees. (See Waechter, Harry J., assignor.)

Bergmann, Richard F. (See Fryer, L. S., and Bergmann.)

Bernal, Maurice V., assignor of one-half to J. Turner, Merced, Calif. Street cleaner. 2,361,909; Nov. 7.

Bernheim, Daniel P., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 2,361,910; Nov. 7.

Bernstein, Joseph R., Chicago, Ill. Shoe tree. 2,362,237; Nov. 7.

Bertrán, Edward M., Jackson Heights, assignor to Brewster Aeronautical Corporation, Long Island City, N. Y. Dive bombing airplane. 2,362,345; Nov. 7.

Biggs, Burnard S., S. O. Morgan, Summit, and A. H. White, East Orange, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Dielectric materials and electrical apparatus containing them. 2,362,428; Nov. 7.

Birkigt, Marc, Versoix, near Geneva, Switzerland. Absorbing means especially for firearms. 2,361,985; Nov. 7.

Bissell, Carl H., assignor to Crouse-Hinds Company, Syracuse, N. Y. Fitting for service entrance cable. 2,362,184; Nov. 7.

Black, John E. and R. S., Mendota, Ill. Glue spreader, surface coater, and the like. 2,362,238; Nov. 7.

Black, Robert S. (See Black, John E. and R. S.)

Blake, Kenneth R., Anderson, assignor to Bendix Aviation Corporation, South Bend, Ind. Carburetor. 2,362,346; Nov. 7.

Blake, Whitney, Company, The. (See Judisch, Carl H., assignor.)

Blancha, Felix C., Manda, Pa., assignor to Radio Corporation of America. Cooling system. 2,362,044; Nov. 7.

Blanchard, Alva G., Shreveport, La. Pivot structure. 2,362,429; Nov. 7.

Bliss, Harold D., South Salem, assignor to T. Nagel, Brooklyn, N. Y. Oil burning equipment and controlling mechanism therefor. 2,362,045; Nov. 7.

Bloom, Murray, Bronx, N. Y. Lady's garment. 2,362,239; Nov. 7.

Bone, Herbert L., Forest Hills, and K. J. J. McGowan, Pittsburgh, assignors to The Union Switch and Signal Company, Swissvale, Pa. Torpedo signal for railways. 2,362,347; Nov. 7.

Bonilla, Saturnino T., New York, N. Y. Breathing device. 2,362,240; Nov. 7.

Bonnifield, West B., Sioux City, Iowa. Boomerang. 2,361,988; Nov. 7.

Bonte, Frederick R., assignor to The Timken Roller Bearing Company, Canton, Ohio. Graphitic steels. 2,362,046; Nov. 7.

Booge, James E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Composite pigments and producing. 2,361,986; Nov. 7.

Booge, James E., Wilmington, Del., and L. Stewart, St. George, Staten Island, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Titanium pigment production. 2,361,987; Nov. 7.

Booth, Rolfe G. (See Brunton, B., and Booth.)

Botsford, Nelson, Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission monitoring system. 2,362,348; Nov. 7.

Boynton, Alexander, San Antonio, Tex. Atmospheric resistance equalizing means for moving vehicles. 2,361,924; Nov. 7.

Brammer, Harry, Leeds, England. Assembling of laminated driving belts. 2,362,185; Nov. 7.

Brantz, Louis P., Philadelphia, Pa. Chair cart. 2,362,186; Nov. 7.

Brassert, Herman A., Washington, and J. C. Hartley, Norwalk, Conn., assignors to Minerals and Metals Corporation, New York, N. Y. Preparation of manganese products. 2,361,925; Nov. 7.

Breese, James L., assignorto Oil Devices, Santa Fe, N. Mex. Liquid fuel burner. 2,361,911; Nov. 7.

Breese, James L., assignor to Oil Devices, Santa Fe, N. Mex. Notched pilot baffle. 2,361,912; Nov. 7.

Breese, James L., assignor to Oil Devices, Santa Fe, N. Mex. Liquid fuel control for hot water heaters. 2,361,913; Nov. 7.

Brewster Aeronautical Corporation. (See Bertrán, Edward M., assignor.)

Brewster Aeronautical Corporation. (See Davis, Loren R., assignor.)

Brewster Aeronautical Corporation. (See Lawry, William F., Jr., assignor.)

Bridwell, Chalon E., Detroit, Mich. Pumping mechanism. 2,361,989; Nov. 7.

British Vacuum Cleaner & Engineering Company Limited, The. (See Molden, W. J., and Webber.)

Brodersen, Max M., Alhambra, Calif., assignor to The Slusser-McLean Scraper Company, Sidney, Ohio. Control for hauling scrapers. 2,361,914; Nov. 7.

Brogden, Ernest M., Orlando, Fla., assignor to President and Directors of the Manhattan Company (sometimes known as Bank of the Manhattan Company), trustee, New York, N. Y. Package, container, and blank therefor. 2,361,926; Nov. 7.

Brooks, Herbert W. (See Kendall, G. H., Oxhandler, and Brooks.)

Brown, William J., West Englewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Vibration analyzer. 2,361,990; Nov. 7.

Brunton, Bernard, and R. G. Booth, London, England. Panel or unit for buildings and building constructed therefrom. 2,362,187; Nov. 7.

Bryant, Corwin W., Downers Grove, assignor to Crane Co., Chicago, Ill. Fluid motor bypass valve. 2,362,349; Nov. 7.

Bryant Heater Company, The. (See Converse, Julius, assignor.)

Bryant Heater Company, The. (See Higley, F. R., and Beam, assignors.)

Buck, Clarence M., assignor to Hayes Industries, Inc., Jackson, Mich. Apparatus for making mufflers. 2,362,350; Nov. 7.

Buckeye Traction Ditcher Company, The. (See Hollmann, H., and Van Voorhis, assignors.)

Buckley, James W., Weatherford, Tex. Bale band buckle. 2,361,991; Nov. 7.

Buckman, Ronald S., Kimberley, British Columbia, assignor to The Consolidated Mining and Smelting Company of Canada, Limited, Montreal, Quebec, Canada. Concentrator. 2,361,927; Nov. 7.

Budd, Edward G., Manufacturing Company. (See Ledwinka, J., Trautvetter, and Kelly.)

Budd Induction Heating, Inc. (See Somes, Howard E., assignor.)

Buerger, Martin J., Arlington, Mass., assignor to Arthur D. Little, Inc. Articles of non-metallic mineral compounds and producing same. 2,362,430; Nov. 7.

Burgess, Lothian M., Chatham, N. J., assignor to J. M. Huber, Inc., New York, N. Y. Thermofluid printing inks and vehicles therefor. 2,362,431; Nov. 7.

Burgess, William S. (See Weaver, J. B., and Burgess.)

Burmeister, Frederick H., and I. F. Flatz, assignors to Air-Way Electric Appliance Corporation, Toledo, Ohio. Insecticide dispenser. 2,362,351; Nov. 7.

Burns, David E., Colfax, Wash. Exercising device. 2,362,111; Nov. 7.

Buttner, William C., Winnetka, Ill. Two-stage regulator. 2,362,352; Nov. 7.

Cahn, Frank J., assignor to The Emulsol Corporation, Chicago, Ill. Flotation of ores. 2,362,432; Nov. 7.

Cameron Iron Works, Inc. (See Allen, Herbert, assignor.)

Campbell, Allan M., Detroit, Mich. Cylinder construction. 2,362,241; Nov. 7.

Campbell, Donald L. (See Murphree, E. V., Tyson, Campbell, and Martin.)

Cantor, Abraham, Philadelphia, Pa. Apparatus for the growth of micro-organisms. 2,361,992; Nov. 7.

Capra, Benedetto G., Sacramento, Calif. Wire tightening tool. 2,362,112; Nov. 7.

Carboloy Company. (See Perry, George A., assignor.)

Carlson, Ejnar W. (See Zimmer, J. C., and Carlson.)

Carnegie-Illinois Steel Corporation. (See Wells, J. H., and Wilson, assignors.)

Carpenter, Morris T., assignor to Standard Oil Company, Chicago, Ill. Catalytic conversion process. 2,362,113; Nov. 7.

Carroll, Burt H., and J. Spence, assignors to Eastman Kodak Company, Rochester, N. Y. Sensitized photographic emulsion. 2,361,928; Nov. 7.

Carver, Walter W., Millburn, N. J. Black-out ventilator. 2,362,114; Nov. 7.

Casler, Roger H., assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio. Clutch control mechanism. 2,362,242; Nov. 7.

Cate, Paul E., assignor to The Fulton Sylphon Company, Knoxville, Tenn. Elements of compressed and sintered powders. 2,362,353; Nov. 7.

Celanese Corporation of America. (See Dreyfus, Henry, assignor.)

Center, Charles I., and W. E. Tarr, South Bend, Ind. Desk construction. 2,362,047; Nov. 7.
Century Motors Corporation. (See Dusevoir, Julius, assignor.)
Chain Belt Company. (See Hilkemeier, Louis G., assignor.)
Chandler-Evans Corporation. (See Chandler, Milton E., assignor.)
Chandler, Milton E., New Britain, Conn., assignor to Chandler-Evans Corporation. Carburetor. 2,361,993; Nov. 7.
Chason, Daniel H., Elizabeth, and G. H. Egbert, Union, assignors to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machine table. 2,362,243; Nov. 7.
Checkmaster Plan Inc. (See Shield, Paris E., assignor.)
Cherry, George L., Western Springs, J. R. Johnson, Chicago, and W. J. Scott, Hinsdale, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Molding press. 2,362,048; Nov. 7.
Chicago Cardboard Company. (See Ziemmerman, Henry, assignor.)
Chojnowski, Francis J., Chicago, Ill., assignor to The John Gable Manufacturing Company. Automatic phonograph control. 2,362,244; Nov. 7.
Christiansen, Milton J. (See Beaulieu, E. J., and Christiansen.)
Chromogen, Incorporated. (See Gáspár, Béla, assignor.)
Ciba Pharmaceutical Products Inc. (See Ruzicka, Leopold, assignor.)
Ciba Pharmaceutical Products, Incorporated. (See Ruzicka, Leopold, assignor.)
Ciba Pharmaceutical Products, Incorporated. (See Ruzicka, L., and Reichstein, assignors.)
Citrus Processes, Inc. (See Lissauer, A. W., and Credo, assignors.)
Clark, James, Bronx, N. Y. Baseball game device. 2,362,188; Nov. 7.
Cleveland Hobbing Machine Company, The. (See Staples, Otis E., assignor.)
Clifford, Albert M., Stow, and J. R. Long, assignors to Wingfoot Corporation, Akron, Ohio. Preparing alpha-aryl acrylonitriles. 2,362,049; Nov. 7.
Cline, Leon E., assignor to Kimble Glass Company, Vineland, N. J. Machine for trimming glass ampoules. 2,362,115; Nov. 7.
Clovis, Paul C., Kenilworth, Ill. Splash dampener for beverage containers. 2,362,354; Nov. 7.
Cockerille, Frank O., Albemarle County, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of esters. 2,361,994; Nov. 7.
Cohen, Louis, assignor to Longines-Wittnauer Watch Co. Inc., New York, N. Y. Winding and setting mechanism for watches. 2,362,245; Nov. 7.
Cole Electric Products Co. Inc. (See Cole, Thomas M., assignor.)
Cole, Russell H., San Gabriel, and P. F. Glover, assignors, by mesne assignments, to Vard, Inc., Pasadena, Calif. Spring counterbalance for drafting machines. 2,362,050; Nov. 7.
Cole, Thomas M., New York, assignor to Cole Electric Products Co. Inc., Long Island City, N. Y. Circuit breaker. 2,362,051; Nov. 7.
Coleman, Gerald H., and B. C. Hadler, assignors to The Dow Chemical Company, Midland, Mich. Unsaturated esters of halo-aryloxy alcohols. 2,362,189; Nov. 7.
Collicutt, Earl H., New York, N. Y. Air mixer. 2,362,355; Nov. 7.
Collier, Robert W., Jal, N. Mex. Vehicle traction attachment. 2,362,246; Nov. 7.
Connecticut Hard Rubber Company, The. (See Doede, Clinton M., assignor.)
Consolidated Mining and Smelting Company of Canada, Limited, The. (See Buckman, Ronald S., assignor.)
Continental Can Company. (See Kronquest, Alfred L., assignor.)
Converse, Julius, East Cleveland, assignor to The Bryant Heater Company, Cleveland, Ohio. Burner control. 2,362,247; Nov. 7.
Corteen, Harry, assignor to Tootal Broadhurst Lee Company Limited, Manchester, England. Manufacture of collars for personal wear. 2,362,248; Nov. 7.
Cortés, Rafael P., deceased, by T. A. Cortés, Mexico City, Mexico, executrix. Apparatus for amusement and instruction in aviation. 2,362,190; Nov. 7.
Cortés, Teresa A., executrix. (See Cortés, Rafael P.)
Cossor, A. C., Limited. (See Fleming-Williams, Brian C., assignor.)
Cottrell, C. B., & Sons Company. (See Barber, Howard M., assignor.)
Covell, Ernest G., assignor of one-half to J. W. Hogg, Springfield, Mo. Folding furniture. 2,362,116; Nov. 7.
Coyne, William R., assignor to Dough-King, Inc., Minneapolis, Minn. Doughnut machine. 2,362,191; Nov. 7.
Craig, David, Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Distillation of volatile water-insoluble materials from aqueous polymer dispersions. 2,362,052; Nov. 7.
Crane Co. (See Bryant, Corwin W., assignor.)
Crawford, James B., Moline, Ill., assignor of one-half to L. O. Morford, Fort Dodge, Iowa. Fruit husking machine. 2,362,356; Nov. 7.
Credo, Julius. (See Lissauer, A. W., and Credo.)
Crites, Wilbur J., Bartlesville, Okla., assignor to Phillips Petroleum Company. Well equipment. 2,362,249; Nov. 7.
Crouse-Hinds Company. (See Bissell, Carl H., assignor.)
Crown Cork & Seal Company. (See Stewart, Robert J., assignor.)
Cummins, Arthur B., Millington, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Treatment of sugar liquors. 2,362,357; Nov. 7.
Curly Lox Products. (See Plate, Robert T., assignor.)
Curtis, Frank W., Springfield, Mass., assignor to Van Norman Company. Making metal cutting tools. 2,361,995; Nov. 7.
Curtiss-Wright Corporation. (See Herzog, Karl, assignor.)
Curtiss-Wright Corporation. (See McKinnie, William P., assignor.)
Curtiss-Wright Corporation. (See Parkin, J. C., and Eaton, assignors.)
Cutler-Hammer, Inc. (See Kuhn, Clarence W., assignor.)
Daly, George M., Collingswood, N. J., assignor to Radio Corporation of America. Television power supply. 2,362,358; Nov. 7.
Damrow Brothers Company. (See Peters, Norman J., assignor.)
Danielson, Ephraim R., St. Paul, Minn. Quick-change structure for boring bars. 2,362,053; Nov. 7.
Darlington, Sidney, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Attenuation regulator. 2,362,359; Nov. 7.
David, Victor M., Vancouver, British Columbia, Canada. Retort. 2,362,117; Nov. 7.
Davis, Cortland W. (See Baker, R., and Davis.)
Davis, Doris E., Coral Gables, Fla. Awning for children's vehicles. 2,362,360; Nov. 7.
Davis, Loren R., Newtown, assignor to Brewster Aeronautical Corporation, Hatboro, Pa. Aircraft. 2,362,361; Nov. 7.
Dawson, James C., Jr., Kirkwood, Mo. Binding post. 2,362,118; Nov. 7.
Day, Harold M. (See Jayne, D. W., Jr., Day, and Erickson.)
Dayton Rubber Manufacturing Company, The. (See Bacon, Henry M., assignor.)
De Florez, Luis, U. S. Navy. Airplane visualizing device. 2,361,929; Nov. 7.
Delalande, Paul J. M. R., assignor to United States Ordnance Company, Washington, D. C. Floating mine. 2,362,192; Nov. 7.
Denison Engineering Company, The. (See Denison, William C., Jr., assignor.)
Denison, William C., Jr., assignor to The Denison Engineering Company, Columbus, Ohio. Hydraulic press. 2,362,054; Nov. 7.
Densen, Beatrice, New York, N. Y. Powder box. 2,362,055; Nov. 7.
Denyssen, Ivanhoe P., Yeadon, and R. M. Pfalzgraff, Swarthmore, Pa., assignors to American Viscose Corporation, Wilmington, Del. Hydroextractor. 2,362,193; Nov. 7.
De Swart, Jan, Los Angeles, assignor of one-half to C. B. Jamison, Beverly Hills, Calif. Cosmetic case. 2,362,120; Nov. 7.
Dexter Folder Company. (See Baker, L., and Martin, assignors.)
Dickinson, Arthur H., Scarsdale, assignor to International Business Machines Corporation, New York, N. Y. Record controlled computing machine. 2,361,996; Nov. 7.
Diesbach, Fritz G., et al., trustees. (See Waechter, Harry J., assignor.)
Dingley, Edward N., Jr., Arlington, Va. Speech garbling apparatus. 2,361,930; Nov. 7.
Ditchfield, Frank, assignor to The Youngstown Steel Door Company, Cleveland, Ohio. Car door construction. 2,362,362; Nov. 7.
Dodd, Arthur E., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Signal control apparatus. 2,362,194; Nov. 7.
Doe, Thomas B., and R. L. Kengott, New York, assignors to Ford Instrument Company, Inc., Long Island City, N. Y. Fuse. 2,362,121; Nov. 7.
Doe, Thomas B., and R. L. Kenngott, New York, assignors to Ford Instrument Company, Inc., Long Island City, N. Y. Fuse. 2,362,122; Nov. 7.
Doe, Thomas B., New York, and E. P. Ross, Forest Hills, assignors to Ford Instrument Company, Inc., Long Island City, N. Y. Fuse. 2,362,123; Nov. 7.
Doede, Clinton M., Hamden, assignor to The Connecticut Hard Rubber Company, New Haven, Conn. Sealing ring or the like. 2,362,363; Nov. 7.
Doran Brothers Incorporated. (See Schultze, Paul, assignor.)
Dough-King, Inc. (See Coyne, William R., assignor.)
Dow Chemical Company, The. (See Coleman, G. H., and Hadler, assignors.)
Drews, William F., River Forest, and A. E. Swickard, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Piezoelectric crystal. 2,362,056; Nov. 7.
Dreyfus, Henry, London, England, assignor to Celanese Corporation of America. Production of organic compounds. 2,361,997; Nov. 7.
Drying & Concentrating Company. (See Hall, Joseph M., assignor.)

Du Pont, E. I., de Nemours & Company. (See Booge, James E., assignor.)
Du Pont, E. I., de Nemours & Company. (See Booge, J. E. and Stewart, assignors.)
Du Pont, E. I., de Nemours & Company. (See Cockerille, Frank O., assignor.)
Du Pont, E. I., de Nemours & Company. (See Reichert, J. S. McNeight, and Elston, assignors.)
Durst, Max, Philadelphia, Pa. Combined sink and basin stopper. 2,362,250; Nov. 7.
Dusevoir, Julius, assignor to Century Motors Corporation, Dearborn, Mich. Method of serrating metallic bodies. 2,362,364; Nov. 7.
E. A. Laboratories, Inc. (See Meyerhoefer, Carl E., assignor.)
Eastes, John W. (See Myers, R. J., and Eastes.)
Eastman Kodak Company. (See Carroll, B. H., and Spence, assignors.)
Eastman Kodak Company. (See Fitch, H. L., and O'Toole, assignors.)
Eaton, Bruce G. (See Parkin, J. C., and Eaton.)
Eaton Manufacturing Company. (See Findley, Howard J., assignor.)
Edson, James O., Great Kills, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric wave amplifier with feedback. 2,362,195; Nov. 7.
Edwards, John P., assignor to Hooker Electrochemical Company, Niagara Falls, N. Y. Production of thionyl chloride. 2,362,057; Nov. 7.
Egbert, George H. (See Chason, D. H., and Egbert.)
Eggleton, Cecil E., Minneapolis, Minn. Jewelry cleaner. 2,362,251; Nov. 7.
Electric Storage Battery Company, The. (See Ambruster, Cornelius, assignor.)
Electric Storage Battery Co., The. (See Gray, Robin, assignor.)
Ellinwood, George G., Philadelphia, Pa. Wall structure. 2,362,252; Nov. 7.
Ellinwood, Herman R. (See Issoglio, L. P., and Ellinwood.)
Ellinwood, Herman R., Burbank, Calif., assignor to Adel Precision Products Corp. Conduit support. 2,362,124; Nov. 7.
Elston, Arthur A. (See Reichert, J. S., McNeight, and Elston.)
Emerson, Walter H., East Liverpool, Ohio, assignor to The Homer Laughlin China Company, Newell, W. Va. Jiggering apparatus. 2,362,058; Nov. 7.
Empire Ironer, Inc. (See Stilwell, William E., Jr., assignor.)
Emulsol Corporation, The. (Cahn, Frank J., assignor.)
Endter, Waldemar A., Long Beach, Calif. Lock mechanism. 2,362,253; Nov. 7.
Endter, Waldemar A., Long Beach, Calif. Reversible rotary bolt lock. 2,362,254; Nov. 7.
Endter, Waldemar A., Long Beach, Calif. Door latch. 2,362,255; Nov. 7.
Endter, Waldemar A., Long Beach, Calif. Latching mechanism. 2,362,256; Nov. 7.
Engineering and Research Corporation. (See Snyder, Charlie W., assignor.)
Eppler, Andrew, Jr., Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Lasting mechanism. 2,362,059; Nov. 7.
Equi-Flow Inc. (See Ungar, Gustave A., and Keller, assignors.)
Erickson, Stephen E. (See Jayne, D. W., Jr., Day, and Erickson.)
Etridge, Joseph J., Norton-on-Tees, J. B. Sandford, Saltburn, and V. Lefebure, London, England, assignors to Imperial Chemical Industries Limited. Plasterboard. 2,362,060; Nov. 7.
Euclid Road Machinery Co., The. (See Armington, George E., assignor.)
Eureka Vacuum Cleaner Company. (See Mills, Herbert E., assignor.)
Evans, Alfred W., Gloucester, Va. Clearing land of trees. 2,361,931; Nov. 7.
Evans, Douglas N., Gary, Ind., assignor to Inland Steel Company, Chicago, Ill. Pump. 2,362,365; Nov. 7.
Eves, Frederick S., assignor to Automotive Products Company Limited, Leamington Spa, England. Seal. 2,362,125; Nov. 7.
Ewing, Melvin H., Sabetha, Kans. Tire and wheel separating apparatus. 2,362,061; Nov. 7.
Fairbanks, Morse & Co. (See Anderson, Gordon R., assignor.)
Fastpic Corporation. (See Reiter, Otis F., assignor.)
Favre, John A., assignor to General Electric Company, Drexel Hill, Pa. Circuit breaker. 2,362,257; Nov. 7.
Fay, Walter M., Ludlow, Mass. Gun barrel. 2,361,932; Nov. 7.
Federal Telephone and Radio Corporation. (See Saslaw, Otto, assignor.)
Ferguson, John E., and C. W. McCreery, Muncie, Ind., assignors to Owens-Illinois Glass Company. Nozzle. 2,362,433; Nov. 7.
Ferla, John, Camden, N. J. Compression apparatus for producing pipe. 2,361,933; Nov. 7.
Findley, Howard J., Shaker Heights, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Heating apparatus. 2,362,258; Nov. 7.
Findley, Howard J., Shaker Heights, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Heating apparatus and starting means therefor. 2,362,259; Nov. 7.
Fishbeck, Philip F., near Denver, Colo. Pelt stretcher. 2,362,062; Nov. 7.
Fitch, Harold L., and T. L. O'Toole, assignors to Eastman Kodak Company, Rochester, N. Y. Transparency mount. 2,362,434; Nov. 7.
Flatz, Ira F. (See Burmeister, F. H., and Flatz.)
Fleischer, Nathan I. (See Francis, L. E., and Fleischer.)
Fleming-Williams, Brian C., assignor to A. C. Cossor Limited, London, England. Electrical apparatus. 2,361,998; Nov. 7.
Ford Instrument Company. (See Doe, T. B., and Kenngott, assignors.)
Ford Instrument Company. (See Doe, T. B., and Ross, assignors.)
Ford Instrument Company. (See Garrett, Elmer E., assignor.)
Foster, Harry I., Maple Heights, Ohio. Countersinking drill. 2,362,260; Nov. 7.
Fowler, John T., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Pulverizing rotor. 2,362,366; Nov. 7.
Francis, Louis E., Akron, and N. I. Fleischer, Cincinnati, Ohio. Marking machine. 2,362,261; Nov. 7.
Frazer-Nash, A. G., Tolworth, England. Servomechanism of the hydraulic type. 2,361,934; Nov. 7.
Freeman, Nathaniel H., assignor to Helena Rubinstein, Inc., New York, N. Y. Lipstick display and sample cabinet. 2,362,367; Nov. 7.
French, Henry C., Elm Grove, assignor to The Heil Co., Milwaukee, Wis. Steering mechanism for two-wheeled tractors or the like. 2,361,935; Nov. 7.
French, Henry C., Elm Grove, assignor to The Heil Co., Milwaukee, Wis. Steering mechanism for two-wheeled tractors or the like. 2,362,262; Nov. 7.
Frey, Frederick E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Treatment of hydrocarbons to produce valuable products. 2,362,196; Nov. 7.
Frey, Henry, Kingston, Pa. Manufacturing textile yarn. 2,361,999; Nov. 7.
Fry, Lawrence A., Hollywood, Calif., assignor, by mesne assignments, to General Foods Corporation, New York, N. Y. Fruit cutting and feeding device. 2,362,126; Nov. 7.
Fryer, Louis S., Cleveland, and R. F. Bergmann, Lakewood, assignors to Industrial Rayon Corporation, Cleveland, Ohio. Ventilating thread processing apparatus. 2,362,063; Nov. 7.
Fulton Sylphon Company, The. (See Cate, Paul E., assignor.)
Furlong, Francis A., River Forest, assignor to Autogas Company, Chicago, Ill. Humidifier. 2,362,001; Nov. 7.
Gabel, John, Manufacturing Company, The. (See Chojnowski, Francis J., assignor.)
Galkin, Joseph, New York, N. Y. Strip shearing attachment. 2,362,437; Nov. 7.
Gardella, Albert B., Cleveland, Ohio. Flag staff structure. 2,362,368; Nov. 7.
Garrett, Elmer E., Rockville Centre, assignor to Ford Instrument Company, Inc., Long Island City, N. Y. Electrical stop mechanism. 2,362,197; Nov. 7.
Gáspár, Béla, Hollywood, Calif., assignor to Chromogen, Incorporated. Photographic materials and manufacturing same. 2,361,936; Nov. 7.
Gear Grinding Machine Company, The. (See Greve, William G., assignor.)
Gehl, John, Denmark, Wis. Stoker. 2,362,127; Nov. 7.
Gelatin Products Corporation. (See Scherer, Robert P., assignor.)
General Electric Company. (See Barnes, Norman F., assignor.)
General Electric Company. (See Favre, John A., assignor.)
General Electric Company. (See Mittag, Albert H., assignor.)
General Electric Company. (See Morton, Lysle W., assignor.)
General Electric Company. (See Reed, G. M., and Mahoney, assignors.)
General Electric Company. (See Schneider, Harold N., assignor.)
General Electric Company. (See Steenstrup, Carl H., assignor.)
General Foods Corporation. (See Fry, Lawrence A., assignor.)
General Motors Corporation. (See Baker, Malvern S., assignor.)
General Motors Corporation. (See Thompson, Earl A., assignor.)
General Railway Signal Company. (See Preston, Neil D., assignor.)
Gerhold, Clarence G. (See Pyzel, R., and Gerhold.)
Gertler, Samuel I., and H. L. J. Haller, Washington, D. C., assignors to Claude R. Wickard, as Secretary of Agriculture of the United States of America, and his successors in office. Insecticide. 2,362,128; Nov. 7.
Gfrorer, Albert H., Bernardsville, N. J., assignor to Lewis-Shepard Company, Watertown, Mass. Power truck. 2,362,129; Nov. 7.
Gibson, Clair J., Los Angeles, Calif. Oil well and casing cleaning brush. 2,362,198; Nov. 7.
Giesinger, Mathilde, New York, N. Y. Play ball. 2,362,064; Nov. 7.

Glenn, Dawrence S., Davis, Calif. Grading apparatus. 2,362,130; Nov. 7.
Glover, Perry F. (See Cole, R. H., and Glover.)
Glowka, Martin, New York, N. Y. Machine gun operation device for aircraft. 2,362,199; Nov. 7.
Gluck, Milton, New York, N. Y. Interchangeable frame for eyeglasses. 2,362,002; Nov. 7.
Gnessin, Abraham, Elizabeth, N. J. Rotary center arrangement for turning machines. 2,362,265; Nov. 7.
Goddard, Myron C., Garden City, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 2,362,369; Nov. 7.
Gondert, Clarence A., assignor to Gondert & Lienesch, Inc., Dayton, Ohio. Box. 2,361,937; Nov. 7.
Gondert & Lienesch, Inc. (See Gondert, Clarence A., assignor.)
Goodrich, B. F., Company, The. (See Craig, David, assignor.)
Gray, Kenneth R. (See Schlosser, P. H., and Gray.)
Gray, Robin, Stockport, England, assignor to The Electric Storage Battery Co. Electric connector. 2,362,200; Nov. 7.
Grayson Heat Control, Ltd. (See Jackson, Wilbur F., assignor.)
Grayson Heat Control, Ltd. (See Jackson, W. F., and Jeffers, assignors.)
Grayson Heat Control, Ltd. (See Jeffers, Thomas H., assignor.)
Greenstein, Oscar, New York, N. Y. Intaglio printing. 2,362,263; Nov. 7.
Gregg, Jon, assignor to L. D. Gregg, Flemington, N. J. Making outsoles. 2,361,938; Nov. 7.
Gregg, Lynne D. (See Gregg, Jon, assignor.)
Greve, William G., Detroit, assignor to The Gear Grinding Machine Company, Hamtramck, Mich. Groove drilling machine. 2,362,264; Nov. 7.
Grim, John M. (See Thurston, Jack T., and Grim.)
Gritzmaker, Rineholdt C., and R. C. Reed, Waynesville, Mo. Mop holder. 2,362,370; Nov. 7.
Gruss, Francis K., Belvedere, Calif. Apparatus for compressing gases. 2,361,939; Nov. 7.
Guignon, Emile S., Jr. (See Sheldon, Ralph O., assignor.)
Gustavson, Alvin N., assignor to Automatic Voting Machine Corporation, Jamestown, N. Y. Voting machine. 2,362,266; Nov. 7.
Hacklander, Hans, Linden, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Feeding mechanism for sewing machines. 2,362,267; Nov. 7.
Hadler, Bartholdt C. (See Coleman, G. H., and Hadler.)
Haggart, John C., Jr., Martinsville, N. J., assignor to Signal Service Corporation. Luminous baton. 2,362,131; Nov. 7.
Hagopian, Charles H., New York, N. Y. Toy gun. 2,362,065; Nov. 7.
Haist, Louis P., Trenton, N. J. Mechanical fowl or poultry picker. 2,362,371; Nov. 7.
Hales, Ralph A., E. G. Almy, A. A. Young, and C. D. Pratt, Tamaqua, Pa., assignors to Atlas Powder Company, Wilmington, Del. Treatment of nitrotoluol waste liquors. 2,362,066; Nov. 7.
Halfmann, Edward S., Philadelphia, Pa. Apparatus for measuring alternating current in the conductors and/or in the sheaths of electric cables. 2,362,372; Nov. 7.
Hall, Donald T., Hilo, Hawaii. Grab device. 2,362,268; Nov. 7.
Hall, Horace W., Newton, Mass. Bowling ball or the like. 2,362,269; Nov. 7.
Hall, Joseph M., Chicago, Ill., assignor to Drying & Concentrating Company. Dehydrating system. 2,361,940; Nov. 7.
Haller, Herbert L. J. (See Gertler, S. I., and Haller.)
Hallman, Harold E., Catonsville, Md. Applying adhesive to wax coated paper. 2,362,373; Nov. 7.
Händel, George F., et al. (See Smith, James N., assignor.)
Harbison-Walker Refractories Company. (See Rowe, Andrew R., assignor.)
Harrison, Raymond B., assignor to Beckwith Manufacturing Company, Dover, N. H. Reinforced insole and making the same. 2,361,941; Nov. 7.
Harshaw Chemical Company, The. (See Hay, John O., assignor.)
Hartley, James C. (See Brassert, H. A., and Hartley.)
Harwood, Paul D., assignor to Dr. Hess & Clark, Inc., Ashland, Ohio. Triethanolamine hydrochloride composition for coccidiosis. 2,362,003; Nov. 7.
Hathaway, Jarrett L., assignor to Radio Corporation of America, Manhasset, N. Y. Modulation. 2,362,201; Nov. 7.
Haub, Edwin, Zanesville, Ohio, assignor to Hazel-Atlas Glass Company, Wheeling, W. Va. Glass transfer mechanism. 2,362,132; Nov. 7.
Hay, John O., Cleveland Heights, assignor to The Harshaw Chemical Company, Elyria, Ohio. Separation of copper from zinc. 2,362,202; Nov. 7.
Hayes Industries, Inc. (See Buck, Clarence M., assignor.)
Hayter, Bruce, assignor to Oil Devices, Santa Fe, N. Mex. Pot type burner with admission of air at two levels. 2,362,133; Nov. 7.
Hazel-Atlas Glass Company. (See Haub, Edwin, assignor.)
Heidinger, Willy, Pocking, Germany, assignor to International Business Machines Corporation, New York, N. Y. Analyzing device. 2,362,004; Nov. 7.
Heil Co., The. (See French, Henry C., assignor.)
Heil, Vernon E., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Electric contact. 2,362,005; Nov. 7.
Heinrich, Robert O., Racine, Wis. Quick-adjustable vise. 2,362,067; Nov. 7.
Hemminger, Charles E., Westfield, N. J., assignor to Standard Oil Development Company. Viscosity reducing. 2,362,270; Nov. 7.
Hensel, Franz R., and E. L. Larsen, assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind. Making sintered copper chromium metal composition. 2,362,007; Nov. 7.
Heppner, George Q., Oldenburg, Ind. Cultivating and weeding attachment for motorcycles. 2,362,374; Nov. 7.
Hercules Powder Company. (See Speicher, John K., assignor.)
Herzog, Karl, North Tonawanda, N. Y., assignor to Curtiss-Wright Corporation. Flange forming apparatus. 2,362,006; Nov. 7.
Hess, Dr., & Clark, Inc. (See Harwood, Paul D., assignor.)
Heymann, Karl, Meadville, Pa., assignor to American Viscose Corporation, Wilmington, Del. Dyeing vinyl polymers. 2,362,375; Nov. 7.
Heymann, Karl, Meadville, Pa., assignor to American Viscose Corporation, Wilmington, Del. Dyeing vinyl polymers. 2,362,376; Nov. 7.
Heymann, Karl, Meadville, Pa., assignor to American Viscose Corporation, Wilmington, Del. Dyeing vinyl polymers. 2,362,377; Nov. 7.
Heymann, Seymour E., assignor to Stewart-Warner Corporation, Chicago, Ill. Heating apparatus. 2,362,271; Nov. 7.
Higley, Frank R., and V. O. Beam, Cleveland Heights, assignors to The Bryant Heater Company, Cleveland, Ohio. Lighter. 2,362,272; Nov. 7.
Hile, Heston H., Riverside, Conn., assignor to United States Rubber Company, New York, N. Y. Resilient bearing. 2,362,008; Nov. 7.
Hilkemeier, Louis G., assignor to Chain Belt Company, Milwaukee, Wis. Concrete mixer. 2,362,435; Nov. 7.
Hillyer, John C. (See Schulze, W. A., and Hillyer.)
Hoe, R., & Co. (See Huck, William F., assignor.)
Hogg, Emerson E., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Applying closures to containers. 2,362,009; Nov. 7.
Hogg, Jesse W. (See Covell, Ernest G., assignor.)
Holbrook, Ralph A., Beacon Falls, and W. O. Hooker, assignors to The Sponge Rubber Products Company, Shelton, Conn. Filling mixture for shoe bottoms. 2,362,378; Nov. 7.
Hollmann, Hubert, Findlay, and W. G. Van Voorhis, Columbus, assignors to The Buckeye Traction Ditcher Company, Findlay, Ohio. Tandem wheel assembly. 2,362,068; Nov. 7.
Holmes, Henry H. (See Wildt, E., Holmes, and Hurd.)
Holveck, Alpha O., Victoria, Tex. Draining valve for drum receptacles. 2,362,379; Nov. 7.
Homer Laughlin China Company, The. (See Emerson, Walter H., assignor.)
Honig, Henry T., Dallas, Tex. Gathering machine. 2,362,134; Nov. 7.
Hooker Electrochemical Company. (See Edward, John P., assignor.)
Hooker, Willis O. (See Holbrook, R. A., and Hooker.)
Hopp, Herman. (See Hopp, Leo, assignor.)
Hopp, Leo, assignor to H. Hopp, New York, N. Y. Price ticket protector. 2,362,273; Nov. 7.
Horton, Erwin C., Hamburg, and A. Rappl, assignors to Trico Production Corporation, Buffalo, N. Y. Micrometer gauge. 2,362,203; Nov. 7.
Hothersall, John M., Brooklyn, N. Y., and J. H. Murch, East Orange, N. J., assignors to American Can Company, New York, N. Y. Machine for making fiber container parts. 2,361,942; Nov. 7.
Howell, Albert S., Culver, Ind., assignor to The Bell & Howell Company, Chicago, Ill. Strip feed sprocket device. 2,362,204; Nov. 7.
Huber, J. M., Inc. (See Burgess, Lothian M., assignor.)
Huck, William F., Richmond Hill, assignor to R. Hoe & Co., Inc., New York, N. Y. Printing cylinder bearer. 2,362,069; Nov. 7.
Huck, William F., Richmond Hill, assignor to R. Hoe & Co., Inc., New York, N. Y. Method and mechanism for feeding sheets to printing machines. 2,362,205; Nov. 7.
Huff, Basil D., assignor to E. S. Payne, New York, N. Y. Shoe. 2,362,010; Nov. 7.
Hultquist, Martin E., North Plainfield, N. J., assignor to American Cyanamid Company, New York, N. Y. Preparation of isocytosine. 2,362,070; Nov. 7.
Hunziker, Fred, assignor of one-half to The W. J. Schoenberger Company, Cleveland, Ohio. Indexing chuck. 2,362,071; Nov. 7.
Hunziker, Fred, assignor of one-half to The W. J. Schoenberger Company, Cleveland, Ohio. Indexing chuck. 2,362,072; Nov. 7.
Hurd, John C. H. (See Wildt, E., Holmes, and Hurd.)
Hurst, Dee A., Haddonfield, N. J., assignor to Allied Chemical & Dye Corporation. Aqueous phenolic resin solutions. 2,362,274; Nov. 7.
Hydraulic Development Corp. Inc., The. (See Tucker, W. R., and Waldie, assignors.)
Imperial Chemical Industries Limited. (See Etridge, J. J., Sandford, and Lefebure, assignors.)

Industrial Rayon Corporation. (See Fryer, L. S., and Bergmann, assignors.)
Ingalls Iron Works Company. (See Spoliansky, Alexander, assignor.)
Ingersoll-Rand Company. (See Sellars, Oliver H., assignor.)
Inland Steel Company. (See Evans, Douglas N., assignor.)
International Business Machines Corporation. (See Dickinson, Arthur H., assignor.)
International Business Machines Corporation. (See Heidinger, Willy, assignor.)
International Business Machines Corporation. (See Rabenda, Edward J., assignor.)
International Business Machines Corporation. (See Schuyler, Albert B., assignor.)
International Business Machines Corporation. (See Watson, Thomas J., assignor.)
International Cigar Machinery Company. (See Rundell, Rupert E., assignor.)
International Nickel Company, The. (See Rote, Franklin B., assignor.)
International Pulverizing Corporation. (See Andrews, Norwood H., assignor.)
International Standard Electric Corporation. (See Litton, Charles V., assignor.)
Irish, Leiland A., et al. (See Wilson, Ray O., assignor.)
Issoglio, Louis P., Los Angeles, and H. R. Ellinwood, assignors to Adel Precision Products Corp., Burbank, Calif. Conduit supporting and bonding block. 2,361,943; Nov. 7.
Jackson, Claude N. (See Wall, James L., assignor.)
Jackson, Wilbur F., Lynwood, and T. H. Jeffers, Los Angeles, assignors to Grayson Heat Control, Ltd., Lynwood, Calif. Safety control for gaseous fuel burners. 2,361,944; Nov. 7.
Jackson, Wilbur F., assignor to Grayson Heat Control, Ltd., Lynwood, Calif. Safety control for gaseous fuel burners. 2,361,945; Nov. 7.
Jacobs, Joseph H., Minneapolis, Minn. Positive cross-feed stop assembly attachment for turning lathes. 2,362,275; Nov. 7.
James, Patrick H., assignor to Robert H. Ray Inc., Houston, Tex. Leveling device for gravimeters. 2,362,135; Nov. 7.
Jamison, C. Bland. (See de Swart, Jan, assignor.)
Jayne, David W., Jr., Old Greenwich, H. M. Day, Cos Cob, Conn., and S. E. Erickson, Calumet, Minn., assignors to American Cyanamid Company, New York, N. Y. Beneficiation of acidic minerals. 2,362,276; Nov. 7.
Jeffers, Thomas H. (See Jackson, W. F., and Jeffers.)
Jeffers, Thomas H., assignor to Grayson Heat Control, Ltd., Lynwood, Calif. Safety control for gaseous fuel burners. 2,362,011; Nov. 7.
Jeffrey Manufacturing Company, The. (See Fowler, John T., assignor.)
Johns-Manville Corporation. (See Cummins, Arthur B., assignor.)
Johnson, Charles D., assignor to Johnson Steel & Wire Company, Inc., Worcester, Mass. Wire drawing. 2,362,073; Nov. 7.
Johnson, Joel R. (See Cherry, G. L., Johnson, and Scott.)
Johnson, Robert C., Norton Township, Summit County, Ohio, and R. Marchant, assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Electrostatic separation of particles. 2,361,946; Nov. 7.
Johnson Steel & Wire Company. (See Johnson, Charles D., assignor.)
Jones, Harry J., Millburn, assignor to Baker & Co. Inc., Newark, N. J. Spinnerette. 2,362,277; Nov. 7.
Jones, Minor C. K., Elizabeth, N. J., assignor to Standard Oil Development Company. Method and apparatus for determining sulphur content of a fluid stream. 2,362,278; Nov. 7.
Jordan, Warren D., Waukegan, Ill., assignor to American Can Company, New York, N. Y. Soldering machine. 2,361,947; Nov. 7.
Judisch, Carl H., assignor to The Whitney Blake Company, New Haven, Conn. Connector plug. 2,362,074; Nov. 7.
Jungersen, Thoger G., Summit, N. J. Casting. 2,362,136; Nov. 7.
Kagan, Morris, Houston, Tex. Banana hook. 2,362,137; Nov. 7.
Källström, Anders G., Oskarshamn, and A. E. P. Kjellström, Stockholm, Sweden. Ski. 2,362,380; Nov. 7.
Kapper, Willard B. (See Moors, Daniel G., assignor.)
Kavle-Head Corporation, The. (See Kavle, Oscar C., assignor.)
Kavle, Oscar C., Syracuse, assignor to The Kavle-Head Corporation, Ithaca, N. Y. Typewriter mechanism. 2,362,138; Nov. 7.
Keahey, Eunice M., et al. (See Keahey, Frank S., Jr., assignor.)
Keahey, Frank S., Jr., assignor of eighty-five one-hundredths to E. M. Keahey, eight one-hundredths to P. Oren, and seven one-hundredths to E. M. Apple, Detroit, Mich. Ordnance. 2,362,075; Nov. 7.
Keller, Joseph F. (See Ungar, Gustave A., and Keller.)
Kelly, John W. (See Ledwinka, J., Trautvetter, and Kelly.)
Kelly, John W., La Canada, Calif., assignor to Adel Precision Products Corp. Pump piston. 2,362,139; Nov. 7.
Kendall, George H., Darien, Conn., S. Oxhandler, Flushing, N. Y., and H. W. Brooks, West Haven, assignors to Sargent & Company, New Haven, Conn. Pivotal mounting. 2,362,012; Nov. 7.
Kenngott, Robert L. (See Doe, T. B., and Kenngott.)
Kenyon Instrument Co. (See Newell, Arthur T., assignor.)
Kimble Glass Company. (See Cline, Leon E., assignor.)
Kindervater, Julius, Richmond, Va. Attachment for pneumatically tired wheels. 2,362,279; Nov. 7.
Kjellström, Alvar E. P. (See Källström, A. G., and Kjellström.)
Knowlton, Norwood H., Rockport, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Buffing machine. 2,362,076; Nov. 7.
Koehler, Henry E., Ridgewood, N. Y. Turret tool post. 2,362,140; Nov. 7.
Kollock, George J., Fulton County, Ga. Snap key ring. 2,362,280; Nov. 7.
Kronquest, Alfred L., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Rotary can marker. 2,362,206; Nov. 7.
Krueger, Ernest A., assignor to White Cap Company, Chicago, Ill. Assorting apparatus. 2,361,948; Nov. 7.
Kuehl, Theodore, Clio, Mich. Carbon stick attachment for motion picture projector lamps. 2,362,281; Nov. 7.
Kuhn, Clarence W., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Circuit controlling device. 2,362,207; Nov. 7.
Lamphere, P. H., et al. (See Strong, Jules Q., assignor.)
Langdon, Jesse D., Downey, Calif. Torpedo carrier and discharger. 2,361,949; Nov. 7.
Langen, Matthias, Parkstone, assignor to The Loewy Engineering Company Limited, London, England. Control means for pusher elements of rolling mill skid beds. 2,362,208; Nov. 7.
Lankelma, Herman P. (See Musselman, J. M., and Lankelma.)
Larsen, Earl I. (See Hensel, F. R., and Larsen.)
Lautenschläger, Carl L., and F. Lindner, Frankfort-on-the-Main, and A. Mager, Niedernhausen in Taunus, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Stable colloidal solutions containing lecithin and cholesterol and preparing same. 2,362,013; Nov. 7.
Lawry, William F., Jr., Elkins Park, assignor to Brewster Aeronautical Corporation, Johnsville, Pa. Aircraft cowling construction. 2,362,381; Nov. 7.
Lederle Laboratories, Inc. (See Lipschitz, Werner L., assignor.)
Ledwinka, Joseph, G. Trautvetter, and J. W. Kelly, assignors to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Vehicle construction and assembling same. 2,362,077; Nov. 7.
Lee, Elmer S., Woodbine, Iowa. Gravity feed animal feeder. 2,362,078; Nov. 7.
Leech, Russ B., assignor to Standard Process Corporation, Chicago, Ill. Coating apparatus. 2,361,950; Nov. 7.
Lefebure, Victor. (See Etridge, J. J., Sandford, and Lefebure.)
Lehmberg, William H., Dudley, assignor to American Optical Company, Southbridge, Mass. Respirator. 2,362,382; Nov. 7.
Lendinara, Louise, New York, N. Y. Flexible joint. 2,362,383; Nov. 7.
Lewis-Shepard Company. (See Gfrorer, Albert H., assignor.)
Libby, Jules L., Elgin, Ill. Combined illuminating and germicidal lamp and making the same. 2,362,384; Nov. 7.
Libby, Jules L., Elgin, Ill. Germicidal lamp. 2,362,385; Nov. 7.
Lieber, Eugene. (See Miller, P., and Lieber.)
Lindahl, Stanley E. (See Nelson, Alex E., assignor.)
Linde Air Products Company, The. (See Baird, Albert W., assignor.)
Lindner, Fritz. (See Lautenschläger, C. L., Lindner, and Mager.)
Lindsay, Wesley N., Jackson Heights, N. Y. Acetylating starch. 2,362,282; Nov. 7.
Line Material Company. (See Runke, Glenn R., assignor.)
Line Material Company. (See Schultz, W. O., and Steinmayer, assignors.)
Lipe-Rollway Corporation. (See Mariotte, Eugene S., assignor.)
Lipschitz, Werner L., Pearl River, assignor to Lederle Laboratories, Inc., New York, N. Y. Antiacid composition. 2,362,386; Nov. 7.
Lissauer, Arthur W., and J. Credo, Louisville, Ky., assignors to Citrus Processes Company, Inc., Orlando, Fla. Production of citrous feed. 2,362,014; Nov. 7.
Little, Arthur D., Inc. (See Buerger, Martin J., assignor.)
Litton, Charles V., Redwood City, Calif., assignor to International Standard Electric Corporation, New York, N. Y. Ultra-high-frequency receiver. 2,362,209; Nov. 7.

Livermon, Carl R., Roxobel, N. C. Trailer for boats. 2,361,951; Nov. 7.

Loetterle, Frederick J., assignor to Aircooled Motors Corporation, Syracuse, N. Y. Vibration absorbing gear. 2,362,141; Nov. 7.

Loewy Engineering Company Limited, The. (See Langen, Matthias, assignor.)

Long, Agrippa K. (See Martin, Charles A., assignor.)

Long, John R. (See Clifford, A. M., and Long.)

Longines-Wittnauer Watch Co. Inc. (See Cohen, Louis, assignor.)

Ludwig, Joseph V., Cleveland, Ohio. Seed planter. 2,362,387; Nov. 7.

Lundquist, Wilton G., Hohokus, N. J., assignor to Wright Aeronautical Corporation. Engine cooling system. 2,362,015; Nov. 7.

Lykken, Henry G. and W. H., Minneapolis, Minn. Pulverizing and classifying machine. 2,362,142; Nov. 7.

Lykken, William H. (See Lykken, Henry G. and W. H.)

MacChesney, Chester M., and W. Schroeder, assignors to Acme Steel Company, Chicago, Ill. Method of and apparatus for welding. 2,362,388; Nov. 7.

Machine and Tool Designing Company. (See Simpson, Henry A., assignor.)

Mager, Adolph. (See Lautenschläger, C. L., Lindner, and Mager.)

Mahlstedt, John F., Los Angeles, Calif. Draft regulating means for heaters. 2,362,144; Nov. 7.

Mahlstedt, John F., Los Angeles, assignor to Scheu Products Company, Ltd., Upland, Calif. Automatic draft regulator for orchard heaters. 2,362,285; Nov. 7.

Mahoney, Bertram W. (See Reed, G. M., and Mahoney.)

Mallory, Marion, Detroit, Mich. Carburetor for internal combustion engine. 2,362,145; Nov. 7.

Mallory, P. R., & Co. (See Heil, Vernon E., assignor.)

Mallory, P. R., & Co. (See Hensel, F. R., and Larsen, assignors.)

Mallory, P. R., & Co. (See Rosser, T. N., and Aust, assignors.)

Manhattan Company, President and Directors of the, trustee (sometimes known as Bank of the Manhattan Company.) (See Brogden, Ernest M., assignor.)

Mantle Lamp Company of America, The. (See Baker, R., and Davis, assignors.)

Marchant, Reynolds. (See Johnson, R. C., and Marchant.)

Mariotte, Eugene S., assignor to Lipe-Rollway Corporation, Syracuse, N. Y. Work holder or collet holding mechanism for metalworking machines. 2,362,146; Nov. 7.

Markey, Roscoe I., East Orange, assignor to Pollak Manufacturing Company, Arlington, N. J. Bomb releasing shackle. 2,362,210; Nov. 7.

Markey, Roscoe I., East Orange, assignor to Pollak Manufacturing Company, Arlington, N. J. Electrical control system. 2,362,211; Nov. 7.

Marsh, William C., Dunkirk, N. Y. Packless valve. 2,362,438; Nov. 7.

Martin, Andrew M., assignor to Wilco Company, Los Angeles, Calif. Dispensing device. 2,362,080; Nov. 7.

Martin, Andrew M., assignor to Wilco Company, Los Angeles, Calif. Pump unit for spray or jet devices. 2,362,081; Nov. 7.

Martin, Archworth. (See Smith, Esther M., assignor.)

Martin, Charles A., assignor to Agrippa Kellum Long, Tupelo, Miss. Fluid transmission and drive. 2,362,389; Nov. 7.

Martin, Erle, West Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Propeller control means. 2,361,954; Nov. 7.

Martin, George A. (See Baker, L., and Martin.)

Martin, Homer Z. (See Murphree, E. V., Tyson, Campbell, and Martin.)

Martin, Paul N., Penn Township, Allegheny County, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,362,212; Nov. 7.

Mason, William S., Norfolk, Va. Piston ring. 2,362,286; Nov. 7.

Mason, William S., Chicago, Ill. Piston ring. 2,362,287; Nov. 7.

Mathieson, C. W., et al. (See Strong, Jules Q., assignor.)

Matthes, Samuel S., assignor to The Ohio Brass Company, Mansfield, Ohio. Trolley ear. 2,362,082; Nov. 7.

May & Baker, Limited. (See Newbery, George, assignor.)

May, Frank P., Rochester, N. Y. Drawer construction. 2,362,017; Nov. 7.

Mazzucchelli, Arthur P., Bloomfield, N. J., assignor to Bakelite Corporation, New York, N. Y. Heat-hardenable oil-containing phenolic resins. 2,362,018; Nov. 7.

McAndrews, Peter J., Jamaica, N. Y. Prime mover. 2,361,952; Nov. 7.

McCaffrey, Marion P. (See Ruddock, William, assignor.)

McCann, Paul S., La Grange, and A. N. Todoroff, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Conveyer apparatus. 2,362,079; Nov. 7.

McCollum, Henry J. D., Chicago, Ill. Heating and electrical generating apparatus. 2,362,283; Nov. 7.

McCreery, Cecil W. (See Ferguson, J. E., and McCreery.)

McDonald, Eugene F., Jr., Chicago, Ill. Radio receiver. 2,361,953; Nov. 7.

McDonald, Louis, New York, N. Y. Metal cleaning compositions. 2,362,284; Nov. 7.

McGowan, Kenneth J. J. (See Bone, H. L., and McGowan.)

McGraw Electric Company. (See Osterheld, Clark M., assignor.)

McKenzie, Wendell R. (See Tarwater, L., and McKenzie.)

McKinnie, William P., Kenmore, N. Y., assignor to Curtiss-Wright Corporation. Retractable landing gear. 2,362,016; Nov. 7.

McLeod, Norman J. (See Way, W., and McLeod.)

McNab, John G., Roselle, N. J., assignor to Standard Oil Development Company. Lubricant. 2,362,292; Nov. 7.

McNab, John G., and W. T. Watkins, Jr., Elizabeth, assignors to Standard Oil Development Company, Roselle, N. J. Lubricant. 2,362,293; Nov. 7.

McNeight, Samuel A. (See Reichert, J. S., McNeight, and Elston.)

McShan, William H., and R. K. Meyer, assignors to Wisconsin Alumni Research Foundation, Madison, Wis. Obtaining follicle-stimulating hormone. 2,362,143; Nov. 7.

Mecco, Jerry M., Somerville, N. J., assignor to American Cyanamid Company, New York, N. Y. Ice color producing compositions. 2,362,083 Nov. 7.

Melin, William, Detroit, Mich. Fixture for machine tools. 2,362,288; Nov. 7.

Meyer, Roland K. (See McShan, W. H., and Meyer.)

Meyerhoefer, Carl E., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y. Lamp. 2,362,110; Nov. 7.

Mikeska, Louis A., Westfield, N. J., assignor to Standard Oil Development Company. Lubricating compositions. 2,362,289; Nov. 7.

Millar, Harvey C., Western Springs, assignor to The Quaker Oats Company, Chicago, Ill. Manufacture of furfural and fertilizer. 2,362,390; Nov. 7.

Miller, Chester A. (See Steinberg, Sander, assignor.)

Miller Company, The. (See Naysmith, Shirley R., assignor.)

Miller, Leo B., Milwaukee, Wis., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Air conditioning system. 2,362,084; Nov. 7.

Miller, Pharis, Elizabeth, N. J., and E. Lieber, Staten Island, N. Y., assignors to Standard Oil Development Company. Lubricant. 2,362,290; Nov. 7.

Miller, Robert E., and R. J. Petty, New York, N. Y.; said Petty assignor to said Miller. Torch. 2,362,213; Nov. 7.

Mills, Herbert E., assignor to Eureka Cleaner Company, Detroit, Mich. Flare pistol. 2,362,391; Nov. 7.

Minerals and Metals Corporation. (See Brassert, H. A., and Hartley, assignors.)

Minneapolis-Honeywell Regulator Company. (See Miller, Leo B., assignor.)

Minnesota Mining & Manufacturing Company. (See Johnson, R. C., and Marchant, assignors.)

Mittag, Albert H., assignor to General Electric Company, Schenectady, N. Y. Electric control circuit. 2,362,294; Nov. 7.

Molden, Joseph W., and A. B. Webber, Westminster, assignors to The British Vacuum Cleaner & Engineering Company Limited, Leatherhead, Surrey, England. Timing mechanism. 2,362,392; Nov. 7.

Mollns Machine Company Limited. (See Ruau, F. F., and Baldwin, assignors.)

Mondolfo, Lucio F., Chicago, Ill. Removal of silicon from aluminum and aluminum alloys. 2,362,147; Nov. 7.

Monsanto Chemical Company. (See Renoll, Mary W., assignor.)

Moore, Daniel G., Brooklyn, assignor to W. B. Kapper, New York, N. Y. Motion-picture projector. 2,362,019; Nov. 7.

Moore, Leonard P. (See Barnes, R. B., and Moore.)

Moore, Wiley T., U. S. Army, Laverne, Okla., and R. N. Nelson, Black River Falls, Wis. Explosive bullet. 2,361,955; Nov. 7.

Morch, Anthony, Brooklyn, N. Y. Television toy. 2,362,214; Nov. 7.

Morford, L. O. (See Crawford, James J., assignor.)

Morgan, Guy J., Poland, Ohio. Heating open-hearth furnace charges. 2,362,085; Nov. 7.

Morgan, Stanley O. (See Biggs, B. S., Morgan, and White.)

Morreale, Philip, Brooklyn, N. Y. Feeding device. 2,362,215; Nov. 7.

Morris, Lloyd C. (See Schulze, W. A., and Morris.)

Morris Paper Mills. (See Arneson, Edwin L., assignor.)

Morrow, Louise, Kane County, Ill. Nursing bottle holder. 2,362,020; Nov. 7.

Morton, Lysle W., assignor to General Electric Company, Schenectady, N. Y. Electric valve circuit. 2,362,295; Nov. 7.

Moseley, Francis L., Pelham, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Automatic position indicating system. 2,361,956; Nov. 7.

Murch, John H. (See Hothersall, J. M., and Murch.)

Murphree, Eger V., and C. W. Tyson, Summit, D. L. Campbell, Short Hills, and H. Z. Martin, Elizabeth, N. J., assignors to Standard Oil Development Company. Removing sulphur from sulphur-bearing hydrocarbons. 2,362,296; Nov. 7.

Musselman, John M., South Euclid, and H. P. Lankelma, Shaker Heights, assignor to The Standard Oil Company, Cleveland, Ohio. Lubricants. 2,361,957; Nov. 7.

Myers, Robert J., Elkins Park, and J. W. Eastes, Philadelphia, assignors to The Resinous Products & Chemical Company, Philadelphia, Pa. Volume stabilized acid absorbing resin. 2,362,086; Nov. 7.

Nagel, Theodore. (See Bliss, Harold D., assignor.)

Naida, William, assignor of one-half to E. Varrone, New York, N. Y. Altimeter for obtaining actual altitude of aircraft. 2,362,393; Nov. 7.

National Cash Register Company, The. (See Whitmore, Robert M., assignor.)

National Folding Box Company. (See Williamson, Marshall I., assignor.)

Naysmith, Shirley R., Meriden, Conn., assignor to The Miller Company. Enclosed and protected electrical apparatus. 2,362,148; Nov. 7.

Nazar, Nicholas, Newton, assignor to Waltham Watch Company, Waltham, Mass. Electric dashboard instrument. 2,362,021; Nov. 7.

Nelson, Alex E., assignor to Stanley E. Lindahl, Los Angeles, Calif. Fixed maximum torue tension wrench. 2,362,149; Nov. 7.

Nelson, Richard N. (See Moore, W. T., and Nelson.)

New Jersey Machine Corporation. (See Von Hofe, George W., assignor.)

Newbury, George, Hutton Mount, assignor to May & Baker, Limited, London, England. Sulphanilamidothiazoles. 2,362,087; Nov. 7.

Newell, Arthur T., Huntington, assignor to Kenyon Instrument Co., Inc., Huntington Station, Long Island, N. Y. Jettison tank valve. 2,362,297; Nov. 7.

Newell, Arthur T., Huntington, assignor to Kenyon Instrument Co., Inc., Huntington Station, Long Island, N. Y. Hull fitting. 2,362,298; Nov. 7.

Nicholson, Frank H., Penn Township, Allegheny County, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signal system. 2,362,394; Nov. 7.

Nordberg Manufacturing Company. (See Talboys, Henry H., assignor.)

Nutter, William S., Sanford, Maine. Warp pile fabric. 2,362,299; Nov. 7.

Nyden, Robert, Manhasset, assignor to American Can Company, New York, N. Y. Container. 2,361,958; Nov. 7.

Nyman, Carl B., assignor to Swenson Evaporator Company, Hull, Quebec, Canada. Filter. 2,362,300; Nov. 7.

Odin, Arthur S., assignor of five per cent to J. C. Pliskow, Detroit, Mich. Self-closing bottle. 2,362,150; Nov. 7.

Ohio Brass Company, The. (See Matthes, Samuel S., assignor.)

Ohio State University Research Foundation, The. (See Baver, L. D., and Shaw, assignors.)

Ohio State University Research Foundation, The. (See Parks, Robert Q., assignor.)

Oil Devices. (See Breese, James L., assignor.)

Oil Devices. (See Hayter, Bruce, assignor.)

Olin, Hubert L., Iowa City, Iowa. Purification of water. 2,362,022; Nov. 7.

Oliver United Filters Incorporated. (See Ackerly, Orville B., Jr., assignor.)

Oren, Paul, et al. (See Keahey, Frank S., Jr., assignor.)

Ostenberg, Pontus, San Jose, Calif. Electric generator. 2,362,151; Nov. 7.

Osterheld, Clark M., Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill. Encased heating unit. 2,362,152; Nov. 7.

O'Toole, Thomas L. (See Fitch, H. L., and O'Toole.)

Owens-Illinois Glass Company. (See Allen, Russell G., assignor.)

Owens-Illinois Glass Company. (See Ferguson, J. E., and McCreery, assignors.)

Oxhandler, Samuel. (See Kendall, G. H., Oxhandler, and Brooks.)

Ozdobinski, Antoni, Crum Lynne, Pa. Plate and receptacle lifter. 2,362,395; Nov. 7.

Pacific Engineering Corporation. (See Swaisgood, Ralph H., assignor.)

Paddle, Leslie H., St. Paul's Cray, England. Electric frequency converter system. 2,362,153; Nov. 7.

Parkin, John C., and B. G. Eaton, Buffalo, N. Y., assignors to Curtiss-Wright Corporation. Flexible gun mount. 2,362,023; Nov. 7.

Parks-Cramer Company. (See Simon, Herman F., assignor.)

Parks, Robert Q., assignor to The Ohio State University Research Foundation, Columbus, Ohio. Determining moisture in forages and grains. 2,362,396; Nov. 7.

Parlato, Peter J., Harrington Park, N. J. Lighting fixture. 2,362,091; Nov. 7.

Patrick, Edward B., Rock, W. Va. Cheese press. 2,362,154; Nov. 7.

Pavek, Edward F., Stillwater, Minn. Overall buckle. 2,362,024; Nov. 7.

Payne, Edna S. (See Huff, Basil D., assignor.)

Payne, Walter B., assignor to The Todd Company, Inc., Rochester, N. Y. Form dispensing apparatus. 2,362,088; Nov. 7.

Pearce, William T., Lower Merion Township, Montgomery County, assignor to The Resinous Products & Chemical Company, Philadelphia, Pa. Coating metals. 2,362,397; Nov. 7.

Pecker, Joseph S., Philadelphia, Pa. Aircraft rotor wing construction. 2,362,301; Nov. 7.

Pelosi, Nicholas, Newark, N. J., assignor to American Can Company, New York, N. Y. Coating machine. 2,361,959; Nov. 7.

Pelosi, Nicholas, Newark, N. J., assignor to American Can Company, New York, N. Y. Sorting device for container making machines. 2,361,960; Nov. 7.

Perry, George A., Royal Oak, assignor to Carboloy Company, Inc., Detroit, Mich. Drying plastic material. 2,362,302; Nov. 7.

Peters, Norman J., assignor to Damrow Brothers Company, Fond Du Lac, Wis. Cheese pressing apparatus. 2,362,089; Nov. 7.

Peters, Norman J., assignor to Damrow Brothers Company, Fond Du Lac, Wis. Cheese trier. 2,362,090; Nov. 7.

Peterson, John H., Silver City, Iowa. Brake mechanism. 2,362,303; Nov. 7.

Petro-Chem Process Company Incorporated. (See Wallis, J. S., and Throckmorton, assignors.)

Petty, Roy J. (See Miller, R. E., and Petty.)

Pfalzgraff, Ross M. (See Denyssen, I. P., and Pfalzgraff.)

Phelps, Marshall C., East Orange, N. J. Decorative article. 2,362,092; Nov. 7.

Phillips Petroleum Company. (See Crites, Wilbur J., assignor.)

Phillips Petroleum Company. (See Frey, Frederick E., assignor.)

Phillips Petroleum Company. (See Schulze, W. A., and Hillyer, assignors.)

Phillips Petroleum Company. (See Schulze, W. A., and Morris, assignors.)

Phillips, Willard D., and R. A. Van Fossen, Chicago, Ill. Tumbling apparatus for degreasers. 2,362,155; Nov. 7.

Pittman, Ralph R., Pine Bluff, Ark. Thermally responsive device. 2,362,398; Nov. 7.

Plate, Robert T., assignor, by mesne assignments, to R. T. Plate, doing business as Curly Lox Products, Detroit, Mich. Hair curler. 2,362,399; Nov. 7.

Platkin, Daniel, Los Angeles, Calif. Liquid container with receptacle for refrigerant. 2,362,223; Nov. 7.

Pliskow, Julius C. (See Odin, Arthur S., assignor.)

Pollak Manufacturing Company. (See Markey, Roscoe I., assignor.)

Polymerization Process Corporation, The. (See Rubin, Louis C., assignor.)

Pratt, Carl D. (See Hales, R. A., Almy, Young, and Pratt.)

Preston, Neil D., assignor to General Railway Signal Company, Rochester, N. Y. Coded track circuit signaling system. 2,362,156; Nov. 7.

Price, Alison H., St. Davids, Pa. Apparatus for administering blood plasma. 2,362,025; Nov. 7.

Protectoseal Company of America, Inc. (See Anschicks, Rudolph J., assignor.)

Pruitt, Harvey E., Flint, Mich., assignor, by mesne assignments, to E. M. Rice, Hanna, Ind. Universal cutting machine. 2,361,961; Nov. 7.

Pullman-Standard Car Manufacturing Company. (See Anderson, Lawrence C., assignor.)

Pyzel, Robert, New York, N. Y., and C. G. Gerhold, assignors to Universal Oil Products Company, Chicago, Ill. Dehydration of normally gaseous hydrocarbons. 2,362,093; Nov. 7.

Quaker Oats Company, The. (See Millar, Harvey C., assignor.)

Quill, Charles J., San Francisco, Calif. Display device. 2,362,157; Nov. 7.

Quist, James D., Detroit, Mich., assignor to United States Rubber Company, New York, N. Y. Polyvinyl alcohol composition. 2,362,026; Nov. 7.

Rabenda, Edward J., Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y. Communication apparatus. 2,362,027; Nov. 7.

Radio Corporation of America. (See Blancha, F. C., assignor.)

Radio Corporation of America. (See Daly, George M., assignor.)

Radio Corporation of America. (See Hathaway, Jarrett L., assignor.)

Radio Corporation of America. (See Shepard, Francis H., Jr., assignor.)

Radio Corporation of America. (See Tunick, Harry, assignor.)

Randle, Wilbert I., Cockeysville, Md. Lawn mower sharpener. 2,362,400; Nov. 7.

Rappl, Anton. (See Horton, E. C., and Rappl.)

Ray, Robert H., Inc. (See James, Patrick H., assignor.)

Rayonier Incorporated. (See Schlosser, P. H., and Gray, assignors.)

Reed, George M., Upper Darby, and B. W. Mahoney, Drexel Hill, Pa., assignors to General Electric Company. Electrical switchgear. 2,362,304; Nov. 7.

Reed, Howard L., San Antonio, Tex. Recovering minerals. 2,362,216; Nov. 7.

Reed, Raymond C. (See Gritzmaker, Rineholdt C., and Reed.)

Reich, Ernest. (See Sivley, Garland A., assignor.)

Reichert, Joseph S., S. A. McNeight, and A. A. Elston, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Detergent compositions. 2,362,401; Nov. 7.

Reichstein, Tadeus. (See Ruzicka, L., and Reichstein.)

Reiter, Otis F., assignor to Fastpic Corporation, Baltimore, Md. Stone picking machine. 2,362,402; Nov. 7.

Renoll, Mary W., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Polymeric dihalo-ethylene compound. 2,362,094; Nov. 7.

Resinous Products & Chemical Company, The. (See Myers, R. J., and Eastes, assignors.)

Resinous Products & Chemical Company, The. (See Pearce, William T., assignor.)

Ressinger, Paul M., Chicago, Ill. Combined display case and light source therefor. 2,362,095; Nov. 7.

Reynolds, John M., assignor to O. E. Reynolds, Shreveport, La. Means for cleaning well screens. 2,362,403; Nov. 7.

Reynolds, Orpha E. (See Reynolds, John M., assignor.)

Reynolds Spring Company. (See Sargent, Donald E., assignor.)

Ricardo, Harry R., London, England. Cooling of pistons. 2,362,158; Nov. 7.

Rice, Emery M. (See Pruitt, Harvey E., assignor.)

Rice, John H., Port Eynon, near Swansea, England, assignor to Rimer Manufacturing Co. Ltd. Conveyer mechanism. 2,362,305; Nov. 7.

Rickenbacher, Adolph, Los Angeles, Calif. Head for toothbrushes. 2,362,159; Nov. 7.

Rietmann, John A., et al. (See Smith, James N., assignor.)

Rimer Manufacturing Co. Ltd. (See Rice, John H., assignor.)

Ringzelli, Arthur, Chicago, Ill. Grinding gauge or holder for thread-cutting tools. 2,362,306; Nov. 7.

Ritter, John J., Yonkers, N. Y., assignor to Standard Oil Development Company. Cyclic diethers. 2,362,307; Nov. 7.

Roberts, William H., assignors to Rotol Airscrews Limited, Gloucester, England. Apparatus for testing prime movers. 2,362,308; Nov. 7.

Robertson, Archibald, assignor to Adel Precision Products Corp., North Hollywood, Calif. Bulkhead clip for wires and conduits. 2,362,160; Nov. 7.

Ronay, Bela, Annapolis, Md. Metal-clading. 2,361,962; Nov. 7.

Root, Le Roy P., Brooklyn, N. Y., assignor to Scovill Manufacturing Company, Waterbury, Conn. Sealing device for dispensers. 2,362,404; Nov. 7.

Roseland, Gustav, Portland, Oreg. Aircraft. 2,362,224; Nov. 7.

Rosenblatt, Maurice C., New York, N. Y. Acoustic guard. 2,361,963; Nov. 7.

Rosin, Jacob, New York, N. Y. Producing degradation products of certain steroid compounds. 2,362,405; Nov. 7.

Ross, Elliott P. (See Doe, T. B., and Ross.)

Ross, J. O., Engineering Corporation. (See Ross, John O., assignor.)

Ross, John O., assignor to J. O. Ross Engineering Corporation, New York, N. Y. Moistening apparatus. 2,362,309; Nov. 7.

Rosser, Theodore N., and R. J. Aust, assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind. Vibrator power supply system. 2,362,028; Nov. 7.

Rote, Franklin B., Ann Arbor, Mich., assignor to The International Nickel Company, Inc., New York, N. Y. Metallic blasting and abrasive material. 2,362,310; Nov. 7.

Rotol Airscrews Limited. (See Roberts, William H., assignor.)

Rowe, Andrew R., McKeesport, assignor to Harbison-Walker Refractories Company, Pittsburgh, Pa. Ingot casting. 2,362,096; Nov. 7.

Rowe, Andrew R., McKeesport, assignor to Harbison-Walker Refractories Company, Pittsburgh, Pa. Ingot casting. 2,362,097; Nov. 7.

Ruau, Felix F., and H. W. Baldwin, assignors to Molins Machine Company Limited, Deptford, London, England. Cigarette-making machine. 2,362,225; Nov. 7.

Rubin, Louis C., West Caldwell, assignor to The Polymerization Process Corporation, Jersey City, N. J. Polymerization of olefins and catalyst therefor. 2,362,311; Nov. 7.

Rubinstein, Helena, Inc. (See Freeman, Nathaniel H., assignor.)

Ruddock, William, South Pasadena, assignor to M. P. McCaffrey, Los Angeles, Calif. Material handling apparatus. 2,362,406; Nov. 7.

Ruddock, William, South Pasadena, assignor to M. P. McCaffrey, Los Angeles, Calif. Excavating apparatus. 2,362,407; Nov. 7.

Rundell, Rupert E., Rockville Centre, N. Y., assignor to International Cigar Machinery Company. Leaf entering and centering mechanism for tobacco strippers. 2,362,098; Nov. 7.

Runke, Glenn R., Racine, assignor to Line Material Company, South Milwaukee, Wis. Switch construction. 2,362,312; Nov. 7.

Ruzicka, Leopold, Zurich, Switzerland, assignor to Ciba Pharmaceutical Products Inc., Summit, N. J. Lactones of the saturated and unsaturated cyclopentanopolyhydrophenanthrene series and preparing same. 2,361,966; Nov. 7.

Ruzicka, Leopold, Zurich, Switzerland, assignor to Ciba Pharmaceutical Products, Incorporated, Summit, N. J. Preparing lactones of the saturated and unsaturated cyclopentanopolyhydrophenanthrene series. 2,361,967; Nov. 7.

Ruzicka, Leopold, Zurich, Switzerland, assignor to Ciba Pharmaceutical Products, Inc., Summit, N. J. Lactones and making same. 2,361,968; Nov. 7.

Ruzicka, Leopold, Zurich, Switzerland, assignor to Ciba Pharmaceutical Products, Inc., Summit, N. J. Lactones of the cyclopentano-poly-hydro-phenanthrene series and making same. 2,362,408; Nov. 7.

Ruzicka, Leopold, Zurich, Switzerland, assignor to Ciba Pharmaceutical Products, Inc. Lactones of the cyclopentanopolyhydrophenanthrene series and making same. 2,362,439; Nov. 7.

Ruzicka, Leopold, Zurich, and T. Reichstein, Basel, Switzerland, assignors, by mesne assignments, to Ciba Pharmaceutical Products, Incorporated, Summit, N. J. Lactones of the saturated and unsaturated cyclopentanopolyhydrophenanthrene series and preparing same. 2,361,964; Nov. 7.

Ruzicka, Leopold, Zurich, and T. Reichstein, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Incorporated, Summit, N. J. Lactones of the saturated and unsaturated cyclopentanopolyhydrophenanthrene series and preparing the same. 2,361,965; Nov. 7.

S. & S. Corrugated Paper Machinery Co. (See Shields, Albert F., assignor.)

Samuel, John O., assignor to Unifloc Reagents Limited, Swansea, Wales. Reagent for softening water and the flocculation of suspended solids therein. 2,362,409; Nov. 7.

Sandford, John B. (See Etridge, J. J., Sandford, and Lefebure.)

Sargent & Company. (See Kendall, G. H., Oxhandler, and Brooks, assignors.)

Sargent, Donald E., assignor to Reynolds Spring Company, Jackson, Mich. Sieve frame. 2,362,099; Nov. 7.

Saslaw, Otto, Lyndhurst, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Selenium rectifier. 2,361,969; Nov. 7.

Scherer, Robert P., assignor, by mesne assignments, to Gelatin Products Corporation, Detroit, Mich. Making feeder heads. 2,362,410; Nov. 7.

Scheu Products Company, Ltd. (See Mahlstedt, John F., assignor.)

Schlosser, Paul H., and K. R. Gray, assignors to Rayonier Incorporated, Shelton, Wash. Production of cellulosic products. 2,362,217; Nov. 7.

Schmitt, John A., Milwaukee, assignor to The Universal Milking Machine Company, Waukesha, Wis. Milking apparatus. 2,361,970; Nov. 7.

Schneider, Harold N., Philadelphia, Pa., assignor to General Electric Company. Auxiliary switch. 2,362,313; Nov. 7.

Schoenberger, W. J., Company, The. (See Hunziker, Fred, assignor.)

Schreiter, Max O., Peoria, Ill. Pump. 2,362,411; Nov. 7.

Schroeder, William. (See MacChesney, C. M., and Schroeder.)

Schultz, William O., South Milwaukee, and A. G. Steinmayer, Milwaukee, assignors to Line Material Company, South Milwaukee, Wis. Cutout construction. 2,362,314; Nov. 7.

Schultze, Paul, assignor to Doran Brothers Incorporated, Danbury, Conn. Fur feeding machine. 2,362,315; Nov. 7.

Schulze, Walter A., and J. C. Hillyer, Bartlesville, Okla., assignors to Phillips Petroleum Company. Dehydrogenation of hydrocarbons. 2,362,218; Nov. 7.

Schulze, Walter A., and L. C. Morris, Bartlesville, Okla., assignors to Phillips Petroleum Company. Production of Alkyl Sulphides. 2,362,219; Nov. 7.

Schuyler, Albert B., Rochester, assignor to International Business Machines Corporation, New York, N. Y. Typewriting machine. 2,362,029; Nov. 7.

Schwartz, Nathan R., New York, N. Y. Universally adjustable swivel unit. 2,362,100; Nov. 7.

Scott, Walter J. (See Cherry, G. L., Johnson, and Scott.)

Scovill Manufacturing Company. (See Root, Le Roy P., assignor.)

Seemann, Johannes, Jena, Germany; vested in the Alien Property Custodian. Arrangement of rotary shutters for stereophotogrammetric plotting. 2,362,030; Nov. 7.

Sellars, Oliber H., Glen Ridge, N. J., assignor to Ingersoll-Rand Company, New York, N. Y. Mounting for drilling tools. 2,362,161; Nov. 7.

Shaw, Byron T. (See Baver, L. D., and Shaw.)

Sheldon, Ralph O., assignor to Emile S. Guignon, Jr., Kansas City, Mo. Unit building structure. 2,362,162; Nov. 7.

Shepard, Francis H., Jr., Rutherford, N. J., assignor to Radio Corporation of America. Remote control system. 2,362,412; Nov. 7.

Shields, Albert F., Jamaica, assignor to S. & S. Corrugated Paper Machinery Co., Inc., Brooklyn, N. Y. Taping machine. 2,362,413; Nov. 7.

Shields, Paris E., assignor to Checkmaster Plan Inc., New York, N. Y. Banking deposit-ticket device. 2,362,101; Nov. 7.

Shipman, I. Kenneth, et al., executors. (See Shipman, Ralph.)

Shipman, Raldo E., et al., executors. (See Shipman, Ralph.)

Shipman, Ralph, Sunbury, Pa.; R. E. and I. K. Shipman, executors, of said R. Shipman, deceased, assignors, by mesne assignments, to said R. E. Shipman and said I. K. Shipman, as joint tenants. Carburetor. 2,362,163; Nov. 7.

Shipman, Walter G., Iowa Park, Tex. Chain repair tool. 2,361,971; Nov. 7.

Shoemaker, Robert C., assignor to Willamette Hyster Company, Portland, Oreg. Tractor mounted crane. 2,362,220; Nov. 7.

Signal Service Corporation. (See Haggart, John C., Jr., assignor.)

Silverman, Daniel, assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Radioactivity logging. 2,362,164; Nov. 7.

Simon, Herman F., Lunenburg, assignor to Parks-Cramer Company, Fitchburg, Mass. Self-cleaning atomizer. 2,362,102; Nov. 7.

Simpson, Henry A., Philadelphia, Pa., assignor to Machine and Tool Designing Company. Bomb carrier. 2,362,414; Nov. 7.

Sims, Clarence R., Elkhart, Ind. Detachable heat circulating attachment. 2,362,316; Nov. 7.

Singer Manufacturing Company, The. (See Chason, D. H., and Egbert, assignors.)

Singer Manufacturing Company, The. (See Hacklander, Hans, assignor.)

Sivley, Garland A., Peoria, Ill., assignor of three-fourths to E. Reich, Quakertown, Pa. Cooking device. 2,362,415; Nov. 7.

Slusser-McLean Scraper Company, The. (See Brodersen, Marx M., assignor.)

Smith, Arthur E., Los Angeles, Calif. Ampoule. 2,362,103; Nov. 7.

Smith, Arthur E., Los Angeles, Calif. Hypodermic syringe. 2,362,165; Nov. 7.

Smith, Clement J., Baytown, assignor of one-half to L. M. Smith, Navasota, Tex. Fence fastener or staple. 2,362,317; Nov. 7.

Smith, Esther M., assignor of one-half to A. Martin, Pittsburgh, Pa. Animal trap. 2,362,031; Nov. 7.

Smith, Harvey N., Washington, D. C. Ice creeper. 2,361,972; Nov. 7.

Smith, Jacob A., assignor of one-half to C. A. Benjamin, Chicago, Ill. Punch mounting. 2,362,032; Nov. 7.

Smith, James M., U. S. Navy. Magnetic compass repeater. 2,361,973; Nov. 7.

Smith, James N., Montreal, Quebec, Canada, assignor of one-fourth to J. A. Rietmann, Norwalk, Conn., and one-fourth to G. F. Händel, New York, N. Y. Electrolytic cell. 2,361,974; Nov. 7.

Smith, Leonard C., New York, N. Y. Beverage dispensing apparatus. 2,362,104; Nov. 7.

Smith, Lymus M. (See Smith, Clement J., assignor.)

Snyder, Charlie W., Washington, D. C., assignor to Engineering and Research Corporation, Riverdale, Md. Aircraft construction. 2,362,033; Nov. 7.

Sobel, Murray J., Detroit, Mich. Spark plug. 2,361,975; Nov. 7.

Somes, Howard E., Detroit, Mich., assignor to Budd Induction Heating, Inc., Philadelphia, Pa. Heat treating apparatus. 2,361,976; Nov. 7.

Speer Resistor Corporation. (See Veley, Hugh N., assignor.)

Speicher, John K., Newark, N. J., assignor to Hercules Powder Company, Wilmington, Del. Coating. 2,362,166; Nov. 7.

Spence, John. (See Carroll, B. H., and Spence.)

Sperry Gyroscope Company. (See Moseley, Francis L., assignor.)

Spoliansky, Alexander, New York, N. Y., assignor to Ingalls Iron Works Company. Jib type crane. 2,362,416; Nov. 7.

Sponge Rubber Products Company, The. (See Holbrook, R. A., and Hooker, assignors.)

Stahl, William F., Evanston, Ill. Shield for electrical currents. 2,362,034; Nov. 7.

Stair, Troy E., Cleveland, Ohio. Merchandise and premium vending machine. 2,361,977; Nov. 7.

Standard Oil Company. (See Carpenter, Morris T., assignor.)

Standard Oil Company, The. (See Musselman, J. M., and Lankelma, assignors.)

Standard Oil Company. (See Swearinger, John E., assignor.)

Standard Oil Development Company. (See Bannon, John H., assignor.)

Standard Oil Development Company. (See Hemminger, Charles E., assignor.)

Standard Oil Development Company. (See Jones, Minor C. K., assignor.)

Standard Oil Development Company. (See McNab, John G., assignor.)

Standard Oil Development Company. (See McNab, J. G., and Watkins.)

Standard Oil Development Company. (See Mikeska, Louis A., assignor.)

Standard Oil Development Company. (See Miller, P., and Lieber, assignors.)

Standard Oil Development Company. (See Murphree, E. V., Tyson, Campbell, and Martin, assignors.)

Standard Oil Development Company. (See Ritter, John J., assignor.)

Standard Oil Development Company. (See Winning, Carl, assignor.)

Standard Oil Development Company. (See Zimmer, J. C., and Carlson, assignors.)

Standard Process Corporation. (See Leech, Russ B., assignor.)

Stanolind Oil and Gas Company. (See Silverman, Daniel, assignor.)

Staples, Otis E., Euclid, assignor to The Cleveland Hobbing Machine Company, Cleveland, Ohio. Turning machine. 2,362,318; Nov. 7.

Stauffacher, Warner, Minneapolis, Minn. Game device. 2,362,319; Nov. 7.

Steenstrup, Carl H., Schenectady, N. Y., assignor to General Electric Company. Freezing tray. 2,362,320; Nov. 7.

Stefano, Dante J., New York, N. Y. Insulating bulkheads. 2,362,119; Nov. 7.

Steinberg, Sander, assignor to said Steinberg and C. A. Miller, co-partners, doing business as Altoona Sanitary Laundry, Altoona, Pa. Apparatus for pressing garment sleeves. 2,362,105; Nov. 7.

Steinmayer, Alwin G. (See Schultz, W. O., and Steinmayer.)

Steven, Dietrich E., Chicago, Ill. Safety fountain pen. 2,362,321; Nov. 7.

Stewart, Leland. (See Booge, J. E., and Stewart.)

Stewart, Robert J., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Supporting structure of beverage filling machines. 2,362,167; Nov. 7.

Stewart-Warner Corporation. (See Heymann, Seymour E., assignor.)

Stilwell, William E., Jr., assignor to Empire Ironer, Inc., Cincinnati, Ohio. Ironer. 2,362,322; Nov. 7.

Stokes, John S., Huntingdon Valley, Pa. Registering device in the manufacture of paper boxes. 2,362,168; Nov. 7.

Stoppel, Leonard A., Alexandria, Minn. Combined weed guard and trolling plate for outboard motors. 2,362,323; Nov. 7.

Stratford, Charles W., assignor to Stratford Development Corporation, Kansas City, Mo. Fluid seal for rotating shafts. 2,362,436; Nov. 7.

Stratford Development Corporation. (See Stratford, Charles W., assignor.)

Stromberg, Olof E. E., Chicago, Ill. Brake for trailers and the like. 2,362,324; Nov. 7.

Strong, Jules Q., Ladue, assignor of fifty-five per cent to C. W. Mathieson and fifteen per cent to P. H. Lamphere, Clayton, Mo. Shoe construction. 2,362,169; Nov. 7.

Sullivan, Frank A., assignor to Tri-Homo Corporation, Salem, Mass. Dispersion mill. 2,362,035; Nov. 7.

Sundback, Gideon, Meadville, Pa. Making stringers for slide fasteners. 2,362,221; Nov. 7.

Sundstrand, Oscar J., West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Accounting machine. 2,362,222; Nov. 7.

Swaisgood, Ralph H., assignor to Pacific Engineering Corporation, Los Angeles, Calif. Portable folding scaffold. 2,362,170; Nov. 7.

Swanson, Harold, Brownhelm Township, Lorain County, Ohio. Flood light full-beam electric lamp. 2,362,171; Nov. 7.

Swanson, Harold, Brownhelm Township, Lorain County, Ohio. Vehicle headlight with integral full-beam electric lamps. 2,362,172; Nov. 7.

Swanson, Harold, Brownhelm Township, Lorain County, Ohio. Vehicle floodlight with one removable full-beam electric lamp. 2,362,173 Nov. 7.

Swanson, Harold, Brownhelm Township, Lorain County, Ohio. Vehicle headlight with several removable full-beam electric lamps. 2,362,174; Nov. 7.

Swanson, Harold, Brownhelm Township, Lorain County, Ohio. Piped light full-beam electric lamp. 2,362,175; Nov. 7.

Swanson, Harold, Brownhelm Township, Lorain County, Ohio. Flashlight full-beam electric lamp. 2,362,176; Nov. 7.

Swearingen, John E., Whiting, Ind., assignor to Standard Oil Company, Chicago, Ill. Catalytic cracking system. 2,361,978; Nov. 7.

Swenson Evaporator Company. (See Nyman, Carl B., assignor.)

Swickard, Andrew E. (See Drews, W., F., and Swickard.)

Tade, Benjamin F., Canon City, Colo. Pipe reaming and cleaning device. 2,362,036; Nov. 7.

Talboys, Henry H., assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Surfacing floors and the like. 2,362,417; Nov. 7.

Tarr, Wilson E. (See Center, C. I., and Tarr.)

Tarwater, Lawson, and W. R. McKenzie, assignors, by mesne assignments, to Bank of America National Trust and Savings Association, Los Angeles, Calif. Nut lock construction. 2,361,979; Nov. 7.

Thompson, Earl A., Bloomfield Hills, assignor to General Motors Corporation, Detroit, Mich. Clutch and gearing control. 2,362,418; Nov. 7.

Thompson, Howard A., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Coded feedback circuits for railway traffic control. 2,362,419; Nov. 7.

Throckmorton, John W. (See Wallis, J. S., and Throckmorton, and assignors.)

Thurmond, Modie H., Cuba, Mo. Indicator for terracing apparatus. 2,362,325; Nov. 7.

Thurston, Jack T., Cos Cob, and J. M. Grim, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Aromatic glyceryl esters of alpha-hydroxy isobutyric acids. 2,362,326; Nov. 7.

Timken Roller Bearing Company, The. (See Bonte, Frederick R., assignor.)

Tirrell, Leslie L., Benton Harbor, Mich. Extinguishing fires. 2,361,980; Nov. 7.

Tirrell, Leslie L., Benton Harbor, Mich. Defrosting air. 2,361,981; Nov. 7.

Todd Company, The. (See Payne, Walter B., assignor.)

Todoroff, Alexander N. (See McCann, P. S., and Todoroff.)

Tootal Broadhurst Lee Company Limited. (See Corteen, Harry, assignor.)

Trautvetter, George. (See Ledwinka, J., Trautvetter, and Kelly.)

Tri-Homo Corporation. (See Sullivan, Frank A., assignor.)

Trico Products Corporation. (See Horton, E. C., and Rappl, assignors.)

Tucker, Warren R., and G. A. Waldie, Dayton, Ohio, assignors to The Hydraulic Development Corp. Inc., Wilmington, Del. Vane pump. 2,362,420; Nov. 7.

Tulloch, William A., assignor of one-half to G. B. Willcox, Saginaw, Mich. Automatic loading apparatus for machine tools. 2,362,177; Nov. 7.

Tunick, Harry, Rye, N. Y., assignor to Radio Corporation of America. Reception of frequency modulated waves. 2,362,000; Nov. 7.

Turner, James. (See Bernal, Maurice V., assignor.)

Tyson, Charles W. (See Murphree, E. V., Tyson, Campbell, and Martin.)

Underwood Elliott Fisher Company. (See Sundstrand, Oscar J., assignor.)

Underwood Elliott Fisher Company. (See Yaeger, Harry C., assignor.)

Ungar, Gustave A., New Rochelle, and J. F. Keller, assignors to Equi-Flow Inc., New York, N. Y. Laminated gear pump. 2,362,106; Nov. 7.

Unifloc Reagents Limited. (See Samuel, John O., assignor.)

Union Switch and Signal Company, The. (See Bone, H. L., and McGowan, assignors.)

Union Switch & Signal Company, The. (See Dodd, Arthur E., assignor.)

Union Switch & Signal Company, The. (See Martin, Paul N., assignor.)

Union Switch & Signal Company, The. (See Nicholson, Frank H., assignor.)

Union Switch & Signal Company, The. (See Thompson, Howard A., assignor.)

United Aircraft Corporation. (See Martin, Erle, assignor.)

United Shoe Machinery Corporation. (See Eppler, Andrew, Jr., assignor.)

United Shoe Machinery Corporation. (See Knowlton, Norwood H., assignor.)

U. S. Ordnance Company. (See Delalande, Paul J. M. R., assignor.)

United States Rubber Company. (See Hile, Heston H., assignor.)

United States Rubber Company. (See Quist, James D., assignor.)

Universal Milking Machine Company, The. (See Schmitt, John A., assignor.)

Universal Oil Products Company. (See Pyzel, R., and Gerhold, assignors.)

Upton, John, Wayland, assignor to Anderson Products, Inc., Cambridge, Mass. Air venting valve. 2,362,327; Nov. 7.

Urquhart, Radcliffe M., Montgomeryville, Pa. Apparatus for making cellular masses. 2,361,982; Nov. 7.

Van Fossen, Ralph A. (See Phillips, Willard D.)

Van Norman Company. (See Curtis, Frank W., assignor.)

Van Voorhis, William G. (See Hollmann, H., and Van Voorhis.)

Vard, Inc. (See Cole, R. H., and Glover, assignors.)

Varrone, Emilio. (See Naida, William, assignor.)

Veley, Hugh N., assignor to Speer Resistor Corporation, St. Mary's, Pa. Machine for forming resistor leads. 2,361,983; Nov. 7.

Von Hofe, George W., Bound Brook, assignor to New Jersey Machine Corporation, Hoboken, N. J. Labeling machine. 2,362,328; Nov. 7.

Von Till, Louis A., Freeport, assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y. Making closure caps. 2,362,421; Nov. 7.

Waechter, Harry J., Mount Healthy, assignor to P. Benninghofen and F. G. Diesbach, Hamilton, Ohio. Manifolding stationery. 2,362,329; Nov. 7.

Waechter, Harry J., Mount Healthy, assignor to P. Benninghofen and F. G. Diesbach, Hamilton, Ohio, trustees. Manifolding stationery. 2,362,330; Nov. 7.

Waldie, George A. (See Tucker, W. R., and Waldie.)

Walker, Arnold V., Pascagoula, Miss. Hand and power steering mechanism. 2,362,178; Nov. 7.

Wall, James L., assignor of one-third to C. N. Jackson, Washington, Ga. Material impelling fan. 2,362,422; Nov. 7.

Wallis, John S., Darien, and J. W. Throckmorton, Wilton, Conn., assignors to Petro-Chem Process Company Incorporated. Apparatus for heating fluids. 2,362,107; Nov. 7.

Wallis, John S., Darien, and J. W. Throckmorton, Wilton, Conn., assignors to Petro-Chem Process Company Incorporated. Steam generating system. 2,362,108; Nov. 7.

Walsh, Carroll H., Pine Bluff, Ark. Tank-wall temperature indicator. 2,362,423; Nov. 7.

Walsh, Carroll H., Pine Bluff, Ark. Tank-wall temperature indicating device. 2,362,424; Nov. 7.

Waltham Watch Company. (See Nazar, Nicholas, assignor.)

Watkins, Walter T., Jr. (See McNab, John G., and Watkins.)

Watson, Thomas J., New Canaan, Conn., assignor to International Business Machines Corporation, New York, N. Y. Punching machine. 2,362,037; Nov. 7.

Way, William, and N. J. McLeod, Boulder City, Nev. Baled hay loading apparatus. 2,362,038; Nov. 7.

Weaver Associates Corporation. (See Weaver, J. B., and Burgess.)

Weaver, Joseph B., and W. S. Burgess, assignors to Weaver Associates Corporation, Washington, D. C. Ship structure. 2,362,226; Nov. 7.

Weber, Anna, Pittsburgh, Pa. Twin-pails holder. 2,362,331; Nov. 7.

Weber, Karl H., Toledo, Ohio. Winding coils. 2,362,179; Nov. 7.

Webber, Arthur B. (See Molden, J. W., and Webber.)

Wells, Joseph H., and P. J. Wilson, Jr., assignors to Carnegie-Illinois Steel Corporation, Pittsburgh, Pa. Recovering polymerized dienes. 2,362,227; Nov. 7.

Western Electric Company. (See Beaulieu, E. J., and Christiansen, assignors.)

Western Electric Company. (See Brown, William J., assignor.)

Western Electric Company. (See Cherry, G. L., Johnson, and Scott, assignors.)

Western Electric Company. (See Drews, W. F., and Swickard, assignors.)

Western Electric Company. (See McCann, P. S., and Todoroff, assignors.)

Whistler, Lawrence V. and S. A., Kenmore, N. Y. Punch and die assembly. 2,362,039; Nov. 7.

Whistler, Sanford A. (See Whistler, Lawrence V. and S. A.)

White, Addison H. (See Biggs, B. S., Morgan, and White.)

White Cap Company. (See Krueger, Ernest A., assignor.)

White, John S., St. Louis, Mo. Portable bullet shield. 2,362,040; Nov. 7.

Whitmore, Robert M., assignor to The National Cash Register Company, Dayton, Ohio. Magazine loading means. 2,362,109; Nov. 7.

Wiese, Eleanor K., executrix. (See Wiese, Floyd M.)

Wiese, Floyd M., deceased, by E. K. Wiese, Elizabeth, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Time-measuring equipment. 2,362,425; Nov. 7.

Wilco Company. (See Martin, Andrew M., assignor.)

Wildt and Company Limited. (See Wildt, E., Holmes, and Hurd, assignors.)

Wildt, Edwin, H. H. Holmes, and J. C. H. Hurd, assignors to Wildt and Company Limited, Leicester, England. Machine for producing knitted fabric. 2,362,041; Nov. 7.

Willamette Hyster Company. (See Shoemaker, Robert C., assignor.)

Willcox, George B. (See Tulloch, William A., assignor.)

Williamson, Marshall I., New York, N. Y., assignor to National Folding Box Company, New Haven, Conn. Telescopic box. 2,361,984; Nov. 7.

Wilson, Philip J., Jr. (See Wells, J. H., and Wilson.)

Wilson, Ray O., assignor of one-third to A. A. Behm and one-third to L. A. Irish, Los Angeles, Calif. Apparatus for applying tread rubber to tires. 2,362,180; Nov. 7.

Wingfoot Corporation. (See Clifford, A. M., and Long, assignors.)

Winning, Carl, assignor to Standard Oil Development Company, Union, N. J. Lubricant. 2,362,291; Nov. 7.

Winthrop Chemical Company. (See Lautenschläger, C. L., Lindner, and Mager, assignors.)

Wisconsin Alumni Research Foundation. (See McShan, W. H., and Meyer, assignors.)

Wright Aeronautical Corporation. (See Lundquist, Wilton G., assignor.)

Wright, Edgar E., Whitestone, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Forming contacts on metal oxide-metal rectifiers. 2,362,228; Nov. 7.

Wyatt, Eric H., High Wycombe, England. Stackable chair and the like. 2,362,426; Nov. 7.

Wycliffe Foundry & Engineering Co. Limited. (See Barrett, Guy, assignor.)

Yaeger, Harry C., West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,362,229; Nov. 7.

Young, Aubrey A. (See Hales, R. A., Almy, Young, and Pratt.)

Youngstown Steel Door Company, The. (See Ditchfield, Frank, assignor.)

Ziemmerman, Henry, assignor to Chicago Cardboard Company, Chicago, Ill. Interlocking means for knockdown advertising displays. 2,362,230; Nov. 7.

Zimmer, John C., Union, and E. W. Carlson, Roselle Park, N. J., assignors to Standard Oil Development Company. Corrosion preventive compositions. 2,362,332; Nov. 7.

Zimmerman, Morton W., Brooklyn, N. Y. Shipping or mailing container. 2,362,181; Nov. 7.

LIST OF DESIGN INVENTIONS

Advertising device. J. A. Lewis. 139,398; Nov. 7.
Agricultural implement head. C. J. Keller. 139,267; Nov. 7.
Air diffuser or the like. C. A. Duffner. 139,247; Nov. 7.
Bag frame, Hand. J. De Pasquale and A. Westerman. 139,336; Nov. 7.
Bank, Coin. W. J. Ayers. 139,366; Nov. 7.
Bottle. E. Coleman. 139,378–80; Nov. 7.
Bottle and cap, Combined. B. Harris. 139,381; Nov. 7.
Bracelet or similar article. W. W. Hobé. 139,240; Nov. 7.
Brassière. P. Amyot. 139,365; Nov. 7.
Brooch or similar article. N. Barbieri. 139,373–5; Nov. 7.
Brooch or similar article. N. Barbieri. 139,392–3; Nov. 7.
Buckle, Belt. C. E. Beatty. 139,258; Nov. 7.
Cab, Crane. J. D. Rauch. 139,385; Nov. 7.
Clasp for a hand bag or similar article. J. De Pasquale and A. Westerman. 139,337; Nov. 7.
Cleaning and polishing device, Combination. M. H. Bissell. 139,376; Nov. 7.
Cleaning and polishing device, Combination. M. H. Bissell. 139,376; Nov. 7.
Coat, House. M. F. Hauck. 139,397; Nov. 7.
Container and dispenser, Combination cigarette. J. C. Eubank. 139,370; Nov. 7.
Container for pills and the like, Pocket. W. Lampl. 139,383; Nov. 7.
Doll. M. G. Schoenherr. 139,350; Nov. 7.
Faucet. B. N. Trombley. 139,254–5; Nov. 7.
Fire extinguisher, Hand. H. C. Smith. 139,391; Nov. 7.
Flag. L. C. Seelbach. 139,251; Nov. 7.
Frame or similar article, Picture. J. C. Eubank. 139,248; Nov. 7.
Game board. C. A. Setterstedt. 139,372; Nov. 7.
Handbag. E. de Kolb. 139,335; Nov. 7.
Handbag. F. X. Hiltenbrand. 139,382; Nov. 7.
Handbag and hat, Combined. D. Rubin. 139,371; Nov. 7.
Holder, Ration point. A. Porche. 139,384; Nov. 7.
House, Play. A. A. Olson. 139,399; Nov. 7.
Indicator, Marine. W. G. Huckabee. 139,387–8; Nov. 7
Inkwell and penholder, Combined. P. Schladermundt. 139,400; Nov. 7.
Jack, Hydraulic. H. E. Page. 139,341; Nov. 7.
Knife, Paring. C. F. Senkewitz. 139,352; Nov. 7.
Knob or the like, Door. H. F. George. 139,338; Nov. 7.
Pin, Brooch. J. Silson. 139,353; Nov. 7.
Pin or similar article, Brooch. W. W. Hobé. 139,339; Nov. 7.
Plaque for automobiles, Display. A. A. Baling. 139,346; Nov. 7.
Plaque unit for articulated fabric or similar article. R. Appel. 139,244–5; Nov. 7.
Ring or similar article, Teething. D. Kassen. 139,389; Nov. 7.
Scarf. P. Goldenstein. 139,394–6; Nov. 7.
Shoe. J. Balboni. 139,334; Nov. 7.
Skirt. T. M. Baer. 139,357; Nov. 7.
Skirt. M. Levitt. 139,359–61; Nov. 7.
Sock or similar article. A. Yandell. 139,356; Nov. 7.
Stand and induction device holder for telephones, Combined. C. W. Dann. 139,369; Nov. 7.
Suit or similar article. S. Wieder. 139,362–4; Nov. 7.
Sweater. M. Rubenstein. 139,390; Nov. 7.
Toboggan. J. A. Worden. 139,386; Nov. 7.
Toy. P. E. Temlitz. 139,343; Nov. 7.
Toy. T. L. Vine. 139,401; Nov. 7.
Tray and medicine holders, Combined. A. M. Rothbardt. 139,249; Nov. 7.
Wall protector for electric flush switches. M. R. Kessler. 139,368; Nov. 7.
Wheeled toy. A. N. Perry. 139,342; Nov. 7.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 7TH DAY OF NOVEMBER, 1944

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Absorbing means especially for firearms. M. Birkigt. 2,361,985; Nov. 7.
Accounting machine. O. J. Sundstrand. 2,362,222; Nov. 7.
Acidic minerals, Beneficiation of. D. W. Jayne, Jr., H. M. Day, and S. E. Erickson. 2,362,276; Nov. 7.
Acoustic guard. M. C. Rosenblatt. 2,361,963; Nov. 7.
Agent for softening water and the flocculation of suspended solids therein. J. O. Samuel. 2,362,409; Nov. 7.
Air conditioning system. L. B. Miller. 2,362,084; Nov. 7.
Aircraft. L. R. Davis. 2,362,361; Nov. 7.
Aircraft. G. Roseland. 2,362,224; Nov. 7.
Aircraft construction. C. W. Snyder. 2,362,033; Nov. 7.
Aircraft cowling construction. W. F. Lawry, Jr. 2,362,381; Nov. 7.
Air mixer. E. H. Collicutt. 2,362,355; Nov. 7.
Airplane, Dive bombing. E. M. Bertrán. 2,362,345; Nov. 7.
Airplane visualizing device. L. de Florez. 2,361,929; Nov. 7.
Air venting valve. J. Upton. 2,362,327; Nov. 7.
Alkyl sulphides, Production of. W. A. Schulze and L. C. Morris. 2,362,219; Nov. 7.
Alpha-aryl acrylonitriles, Preparing. A. M. Clifford and J. R. Long. 2,362,049; Nov. 7.
Altimeter for obtaining actual altitude of aircraft. W. Naida. 2,362,393; Nov. 7.
Ampoule. A. E. Smith. 2,362,103; Nov. 7.
Analyzing device. W. Heidinger. 2,362,004; Nov. 7.
Animal trap. E. M. Smith. 2,362,031; Nov. 7.
Antiacid composition. W. L. Lipschitz. 2,362,386; Nov. 7.
Apparatus for amusement and instruction in aviation. R. P. Cortés. 2,362,190; Nov. 7.
Apparatus for applying tread rubber to tires. R. O. Wilson. 2,362,180; Nov. 7.
Apparatus for compressing gases. F. K. Gruss. 2,361,939; Nov. 7.
Apparatus for heating fluids. J. S. Wallis, and J. W. Throckmorton. 2,362,107; Nov. 7.
Apparatus for indicating variations in densities of transparent media. N. F. Barnes. 2,362,235; Nov. 7.
Apparatus for making cellular masses. R. M. Urquhart. 2,361,982; Nov. 7.
Apparatus for making mufflers. C. M. Buck. 2,362,350; Nov. 7.
Apparatus for measuring alternating current in the conductors and/or in the sheaths of electric cables. E. S. Halfmann. 3,362,372; Nov. 7.
Apparatus for measuring moisture. L. D. Baver and B. T. Shaw. 2,362,344; Nov. 7.
Apparatus for pressing garment sleeves. S. Steinberg. 3,362,105; Nov. 7.
Apparatus for the growth of microorganisms. A. Cantor. 2,361,992; Nov. 7.
Apron, Long draft textile. H. M. Bacon. 2,362,340; Nov. 7.
Aqueous phenolic resin solutions. D. A. Hurst. 2,362,274; Nov. 7.
Article handling apparatus. E. J. Beaulieu and M. J. Christiansen. 2,362,043; Nov. 7.
Articles of non-metallic mineral compounds and producing same. M. J. Buerger. 2,362,430; Nov. 7.
Assorting apparatus. E. A. Krueger. 2,361,948; Nov. 7.
Atomizer, Self-cleaning. H. F. Simon. 2,362,102; Nov. 7.
Attachment for pneumatically tired wheels. J. Kindervater. 2,362,279; Nov. 7.
Attenuation regulator. S. Darlington. 2,362,359; Nov. 7.
Automatic loading apparatus for machine tools. W. A. Tulloch. 2,362,177; Nov. 7.
Auxiliary switch. H. N. Schneider. 2,362,313; Nov. 7.
Awning for children's vehicles. D. E. Davis. 2,362,360; Nov. 7.
Bale band buckle. J. W. Buckley. 2,361,991; Nov. 7.
Ball or the like, Bowling. H. W. Hall. 2,362,269; Nov. 7.
Ball, Play. M. Giesinger. 2,362,064; Nov. 7.
Baseball game device. J. Clark. 2,362,188; Nov. 7.
Baton, Luminous. J. C. Haggart, Jr. 2,362,131; Nov. 7.
Bearing: *See*—
  Resilient bearing.
Beverage dispensing apparatus. L. C. Smith. 2,362,104; Nov. 7.
Block: *See*—
  Conduit supporting and bonding block.
Blood plasma, Apparatus for administering. A. H. Price. 2,362,025; Nov. 7.
Bomb carrier. H. A. Simpson. 2,362,414; Nov. 7.
Boomerang, W. B. Bonnifeld. 2,361,988; Nov. 7.
Bottle, Self-closing. A. S. Odin. 2,362,150; Nov. 7.
Box: *See*—
  Powder box.
  Telescopic box.
Box. E. L. Arneson. 2,361,923; Nov. 7.
Box. C. A. Gondert. 2,361,937; Nov. 7.
Brake for trailers and the like. O. E. E. Stromberg. 2,362,324; Nov. 7.
Brake mechanism. J. H. Peterson. 2,362,303; Nov. 7.
Breathing device. S. T. Bonilla. 2,362,240; Nov. 7.
Brush, Oil well and casing cleaning. C. J. Gibson. 2,362,198; Nov. 7.
Buckle, Overall. E. F. Pavek. 2,362,024; Nov. 7.
Buffing machine. N. H. Knowlton. 2,362,076; Nov. 7.
Bulkheads, Insulating. D. J. Stefano. 2,362,119; Nov. 7.
Bullet, Explosive. W. T. Moore. 2,361,955; Nov. 7.
Burner: *See*—
  Liquid fuel burner.
Burner control. J. Converse. 2,362,247; Nov. 7.
Burner with admission of air at two levels, Pot type. B. Hayter. 2,362,133; Nov. 7.
Cabinet: *See*—
  Lipstick display and sample cabinet.
Can marker, Rotary. A. L. Kronquest. 2,362,206; Nov. 7.
Car door construction. F. Ditchfield. 2,362,362; Nov. 7.
Carbon stick attachment for motion picture projection lamps. T. Kuehl. 2,362,281; Nov. 7.
Carburetor. K. R. Blake. 2,362,346; Nov. 7.
Carburetor. M. E. Chandler. 2,361,993; Nov. 7.
Carburetor. R. Shipman. 2,362,163; Nov. 7.
Carburetor for internal combustion engine. M. Mallory. 2,362,145; Nov. 7.
Carrier: *See*—
  Bomb carrier.
Carrier and discharger, Torpedo. J. D. Langdon. 2,361,949; Nov. 7.
Cart, Chair. L. P. Brantz. 2,362,186; Nov. 7.
Case: *See*—
  Cosmetic case.
Casting. T. G. Jungersen. 2,362,136; Nov. 7.
Catalytic conversion process. M. T. Carpenter. 2,362,113; Nov. 7.
Catalytic cracking system. J. E. Swearingen. 2,361,978; Nov. 7.
Cellulose acetate solutions, Manufacture of. W. O. Baker. 2,362,182; Nov. 7.
Cellulosic products, Production of. P. H. Schlosser and K. R. Gray. 2,352,217; Nov. 7.
Centrifugal apparatus. G. R. Anderson. 2,361,906; Nov. 7.
Chain repair tool. W. G. Shipman. 2,361,971; Nov. 7.
Chair and the like, Stackable. E. H. Wyatt. 2,362,426; Nov. 7.
Cheese press. E. B. Patrick. 2,362,154; Nov. 7.
Cheese pressing apparatus. N. J. Peters. 2,362,089; Nov. 7.
Cheese trier. N. J. Peters. 2,362,090; Nov. 7.
Cigarette-making machine. F. F. Ruau and H. W. Baldwin. 2,362,225; Nov. 7.
Circuit: *See*—
  Electric control circuit. Electric valve circuit.
Circuit breaker. T. M. Cole. 2,362,051; Nov. 7.
Circuit breaker. J. A. Favre. 2,362,257; Nov. 7.
Circuit controlling device. C. W. Kuhn. 2,362,207; Nov. 7.
Circuits for railway traffic control, Coded feed-back. H. A. Thompson. 2,362,419; Nov. 7.
Citrous feed, Production of. A. W. Lissauer and J. Credo. 2,362,014; Nov. 7.
Cleaner: *See*—
  Jewelry cleaner. Street cleaner.
Cleaning well screens. J. M. Reynolds. 2,362,403; Nov. 7.
Clearing land of trees. A. W. Evans. 2,361,931; Nov. 7.
Clip for wires and conduits, Bulkhead. A. Robertson. 2,362,160; Nov. 7.
Closure caps, Making. L. A. Von Till. 2,362,421; Nov. 7.
Closures to containers, Applying. E. E. Hogg. 2,362,009; Nov. 7.
Clutch and gearing controls. E. A. Thompson. 2,362,418; Nov. 7.
Clutch control mechanism. R. H. Casler. 2,362,242; Nov. 7.
Coating. J. K. Speicher. 2,362,166; Nov. 7.
Coating apparatus. R. B. Leech. 2,361,950; Nov. 7.
Coating machine. N. Pelosi. 2,361,959; Nov. 7.
Coded track circuit signaling system. N. D. Preston. 2,362,156; Nov. 7.

Coils, Winding. K. H. Weber. 2,362,179; Nov. 7.
Collars for personal wear. Manufacture of. H. Corteen. 2,362,248; Nov. 7.
Colloidal solutions containing lecithin and cholesterol and preparing same, Stable. C. L. Lautenschläger, F. Lindner, and A. Mager. 2,362,013; Nov. 7.
Communication apparatus. E. J. Rabenda. 2,362,027; Nov. 7.
Compass repeater, Magnetic. J. M. Smith. 2,361,973; Nov. 7.
Compensator. R. J. Anschicks. 2,362,232; Nov. 7.
Composite pigments and producing same. J. E. Booge. 2,361,986; Nov. 7.
Compression apparatus for producing pipe. J. Ferla. 2,361,933; Nov. 7.
Concentrator. R. S. Buckman. 2,361,927; Nov. 7.
Concrete mixer. L. G. Hilkemeier. 2,362,435; Nov. 7.
Conduit support. H. R. Ellinwood. 2,362,124; Nov. 7.
Conduit supporting and bonding block. L. P. Issoglio and H. R. Ellinwood. 2,361,943; Nov. 7.
Connector: *See*—
Electric connector.
Connector plug. C. H. Judisch. 2,362,074; Nov. 7.
Contacts on metal oxide-metal rectifiers, Forming. E. E. Wright. 2,362,228; Nov. 7.
Container. R. Nyden. 2,361,958; Nov. 7.
Container with receptacle for refrigerant, Liquid. D. Platkin. 2,362,223; Nov. 7.
Control for hauling scrapers. M. M. Brodersen. 2,361,914; Nov. 7.
Control means for pusher elements of rolling mill skid beds. M. Langen. 2,362,208; Nov. 7.
Control mechanism for press brakes or similar machines. C. J. Bath. 2,362,343; Nov. 7.
Conveyer apparatus. P. S. McCann and A. N. Todoroff. 2,362,079; Nov. 7.
Conveying mechanism. J. H. Rice. 2,362,305; Nov. 7.
Cooking device. G. A. Sivley. 2,362,415; Nov. 7.
Cooling system. F. C. Blancha. 2,362,044; Nov. 7.
Copper from zinc, Separation of. J. O. Hay. 2,362,202; Nov. 7.
Copper chromium metal composition, Making sintered. F. R. Hensel and E. I. Larsen. 2,362,007; Nov. 7.
Corrosion preventive composition. J. C. Zimmer and E. W. Carlson. 2,362,332; Nov. 7.
Cosmetic case. J. de Swart. 2,362,120; Nov. 7.
Countersinking drill. H. I. Foster. 2,362,260; Nov. 7.
Crane, Jib type. A. Spoliansky. 2,362,416; Nov. 7.
Cultivating and weeding attachment for motorcycles. G. Q. Heppner. 2,362,374; Nov. 7.
Curler, Hair. R. T. Plate. 2,362,399; Nov. 7.
Cutout construction. W. O. Schultz and A. G. Steinmayer. 2,362,314; Nov. 7.
Cutting machine, Universal. H. E. Pruitt. 2,361,961; Nov. 7.
Cylinder bearer, Printing. W. F. Huck. 2,362,069; Nov. 7.
Cylinder construction. A. M. Campbell. 2,362,241; Nov. 7.
Dampener for beverage containers, Splash. P. C. Clovis. 2,362,354; Nov. 7.
Deck construction. C. I. Center and W. E. Tarr. 2,362,047; Nov. 7.
Decorative article. M. C. Phelps. 2,362,092; Nov. 7.
Defrósting air. L. L. Tirrell. 2,361,981; Nov. 7.
Degredation products of certain steroid compounds, Producing. J. Rosin. 2,362,405; Nov. 7.
Dehydrating system. J. M. Hall. 2,361,940; Nov. 7.
Dehydrogenation of hydrocarbons. W. A. Schultze and J. C. Hillyer. 2,362,218; Nov. 7.
Deposit-ticket device, Banking. P. E. Shields. 2,362,101; Nov. 7.
Detergent compositions. J. S. Reichert, S. A. McNeight, and A. A. Elston. 2,362,401; Nov. 7.
Device for marking powder lines. W. H. Barger. 2,362,234; Nov. 7.
Diammonium monoalkali metal ferricyanide, Producing. R. B. Barnes and L. P. Moore. 2,362,183; Nov. 7.
Dielectric materials and electrical apparatus containing them. B. S. Biggs, S. O. Morgan, and A. H. White. 2,362,428; Nov. 7.
Diethers, Cyclic. J. J. Ritter. 2,362,307; Nov. 7.
Dispenser: *See*—
Insecticide dispenser.
Dispensing device. A. M. Martin. 2,362,080; Nov. 7.
Display case and light source therefor, Combined. P. M. Ressinger. 2,362,095; Nov. 7.
Display device. C. J. Quill. 2,362,157; Nov. 7.
Door latch. W. A. Endter. 2,362,255; Nov. 7.
Douche, Sanitary. G. W. Bayers. 2,361,908; Nov. 7.
Doughnut machine. W. R. Coyne. 2,362,191; Nov. 7.
Draft regulating means for heaters. J. F. Mahlstedt. 2,362,144; Nov. 7.
Draft regulator for orchard heaters, Automatic. J. F. Mahlstedt. 2,362,285; Nov. 7.
Drawer construction. F. P. May. 2,362,017; Nov. 7.
Drill: *See*—
Countersinking drill.
Electric connector. R. Gray. 2,362,200; Nov. 7.
Electric contact. V. E. Heil. 2,362,005; Nov. 7.
Electric control circuit. A. H. Mittag. 2,362,294; Nov. 7.
Electric dashboard instrument. N. Nazar. 2,362,021; Nov. 7.
Electric frequency converter system. L. H. Paddle. 2,362,153; Nov. 7.
Electric generator. P. Ostenberg. 2,362,151; Nov. 7.
Electric valve circuit. L. W. Morton. 2,362,295; Nov. 7.
Electric wave amplifier with feedback. J. O. Edson. 2,362,195; Nov. 7.
Electric welding apparatus. A. W. Baird. 2,361,918; Nov. 7.
Electrical apparatus. B. C. Fleming-Williams. 2,361,998; Nov. 7.
Electrical apparatus, Enclosed and protected. S. R. Naysmith. 2,362,148; Nov. 7.
Electrical control system. R. I. Markey. 2,362,211; Nov. 7.
Electrical stop mechanism. E. E. Garrett. 2,362,197; Nov. 7.
Electrolytic cell. J. N. Smith. 2,361,974; Nov. 7.
Electrostatic separation of particles. R. C. Johnson and R. Marchant. 2,361,946; Nov. 7.
Elements of compressed and sintered powders. P. E. Cate. 2,362,353; Nov. 7.
Elevator and table support for drill pipes. W. A. Abegg. 2,362,042; Nov. 7.
Engine cooling system. W. G. Lundquist. 2,362,015; Nov. 7.
Esters, Manufacture of. F. O. Cockerille. 2,361,994; Nov. 7.
Esters of alpha-hydroxy isobutyric acids. Aromatic glyceryl. J. T. Thurston and J. M. Grim. 2,362,326; Nov. 7.
Esters of halo-aryloxy alcohols, Unsaturated. G. H. Coleman and B. C. Hadler. 2,362,189; Nov. 7.
Excavating apparatus. W. Ruddock. 2,362,407; Nov. 7.
Exercising device. D. E. Burns. 2,362,111; Nov. 7.
Extinguishing fires. L. L. Tirrell. 2,361,980; Nov. 7.
Fan, Material impelling. J. L. Wall. 2,362,422; Nov. 7.
Feeder: *See*—
Gravity feed animal feeder.
Feeder heads, Making. R. P. Scherer. 2,362,410; Nov. 7.
Feeding device. P. Morreale. 2,362,215; Nov. 7.
Feeding mechanism for sewing machines. H. Hacklander. 2,362,267; Nov. 7.
Fence fastener or staple. C. J. Smith. 2,362,317; Nov. 7.
Filling mixture for shoe bottoms. R. A. Holbrook and W. O. Hooker. 2,362,378; Nov. 7.
Filter. O. B. Ackerly, Jr. 2,362,331; Nov. 7.
Filter. C. B. Nyman. 2,362,300; Nov. 7.
Fitting for service entrance cable. C. H. Bissell. 2,362,184; Nov. 7.
Fixed maximum torque tension wrench. A. E. Nelson. 2,362,149; Nov. 7.
Fixture for machine tools. W. Melin. 2,362,288; Nov. 7.
Flag staff structure. A. B. Gardella. 2,362,368; Nov. 7.
Flange forming apparatus. K. Herzog. 2,362,006; Nov. 7.
Flashlight full-beam electric lamp. H. Swanson. 2,362,176; Nov. 7.
Flexible joint. L. Lendinara. 2,362,383; Nov. 7.
Flood light full-beam electric lamp. H. Swanson. 2,362,171; Nov. 7.
Floodlight with one removable full-beam electric lamp, Vehicle. H. Swanson. 2,362,173; Nov. 7.
Floors and the like, Surfacing. H. H. Talboys. 2,362,417; Nov. 7.
Fluid motor bypass valve. C. W. Bryant. 2,362,349; Nov. 7.
Form dispensing apparatus. W. B. Payne. 2,362,088; Nov. 7.
Fountain pen, Safety. D. E. Steven. 2,362,321; Nov. 7.
Frame: *See*—
Sieve frame.
Frame for eyeglasses, Interchangeable. M. Gluck. 2,362,002; Nov. 7.
Freezing tray. C. H. Steenstrup. 2,362,320; Nov. 7.
Fruit cutting and feeding device. A. Lawrence. 2,362,126; Nov. 7.
Fruit husking machine. J. B. Crawford. 2,362,356; Nov. 7.
Fuel burning device of pressure type, Liquid. R. Baker and C. W. Davis. 2,362,342; Nov. 7.
Fur feeding machine. P. Schultze. 2,362,315; Nov. 7.
Furfural and fertilizer, Manufacture of. H. C. Millar. 2,362,390; Nov. 7.
Furnace charges, Treating open-hearth. G. J. Morgan. 2,362,085; Nov. 7.
Furniture, Folding. E. G. Covell. 2,362,116; Nov. 7.
Fuse. T. B. Doe and R. L. Kenngott. 2,362,121–2; Nov. 7.
Fuse. T. B. Doe and E. P. Ross. 2,362,123; Nov. 7.
Game device. W. Stauffacher. 2,362,319; Nov. 7.
Garment, Lady's. M. Bloom. 2,362,239; Nov. 7.
Gathering machine. H. T. Honig. 2,362,134; Nov. 7.
Gauge: *See*—
Micrometer gauge.
Gauge or holder for thread-cutting tools, Grinding. A. Ringzelli. 2,362,306; Nov. 7.
Gear: *See*—
Retractable landing gear. Vibration absorbing gear.
Generator: *See*—
Electric generator.
Germicidal lamp. J. L. Libby. 2,362,385; Nov. 7.
Glass transfer mechanism. E. Haub. 2,362,132; Nov. 7.

Glue spreader, surface coater, and the like. J. E. Black and R. S. Black. 2,362,238; Nov. 7.
Grab device. D. T. Hall. 2,362,268; Nov. 7.
Grading apparatus. D. S. Glenn. 2,362,130; Nov. 7.
Gravity feed animal feeder. E. S. Lee. 2,362,078; Nov. 7.
Groove drilling machine. W. G. Greve. 2,362,264; Nov. 7.
Gun barrel. W. M. Fay. 2,361,932; Nov. 7.
Gun mount, Flexible. J. C. Parkin and B. G. Eaton. 2,362,023; Nov. 7.
Hands and power steering mechanism. A. V. Walker. 2,362,178; Nov. 7.
Hay loading apparatus, Baled. W. Way and N. J. McLeod. 2,362,038; Nov. 7.
Head for toothbrushes. A. Rickenbacher. 2,362,159; Nov. 7.
Headlight with several removable full-beam electric lamps, Vehicle. H. Swanson. 2,362,174; Nov. 7.
Heat circulating attachment, Detachable. C. R. Sims. 2,362,316; Nov. 7.
Heat treating apparatus. H. E. Somes. 2,361,976; Nov. 7.
Heating and electrical generating apparatus. H. J. De N. McCollum. 2,362,283; Nov. 7.
Heating apparatus. H. J. Findley. 2,362,258; Nov. 7.
Heating apparatus. S. E. Heymann. 2,362,271; Nov. 7.
Heating apparatus and starting means therefor. H. J. Findley. 2,362,259; Nov. 7.
Heating unit, Encased. C. M. Osterheld. 2,362,152; Nov. 7.
Holder: *See*—
Map holder. Twin-pails holder.
Nursing bottle holder.
Hook, Banana. M. Kagan. 2,362,137; Nov. 7.
Hormone, Obtaining follicle-stimulating. W. H. McShan and R. K. Meyer. 2,362,143; Nov. 7.
Hull fitting. A. T. Newell. 2,362,298; Nov. 7.
Humidifier. F. A. Furlong. 2,362,001; Nov. 7.
Hydraulic press. W. C. Denison, Jr. 2,362,054; Nov. 7.
Hydrocarbons, Dehydration of normally gaseous. R. Pyzel and C. G. Gerhold. 2,362,093; Nov. 7.
Hydrocarbons to produce valuable products, Treatment of. F. E. Frey. 2,362,196; Nov. 7.
Hydroextractor. I. P. Denyssen and R. M. Pfalzgraff. 2,362,193; Nov. 7.
Ice color producing compositions. J. M. Mecco. 2,362,083; Nov. 7.
Ice creeper. H. N. Smith. 2,361,972; Nov. 7.
Indexing chuck. F. Hunziker. 2,362,071–2; Nov. 7.
Indicating device, Tank-wall temperature. C. H. Walsh. 2,362,424; Nov. 7.
Indicator: *See*—
Tank-wall temperature indicator. Weight indicator.
Indicator for terracing apparatus. M. H. Thurmond. 2,362,325; Nov. 7.
Ingot casting. A. R. Rowe. 2,362,096; Nov. 7.
Ingot casting. A. R. Rowe. 2,362,097; Nov. 7.
Inks and vehicle therefor, Thermofluid printing. L. M. Burgess. 2,362,431; Nov. 7.
Insecticide. S. I. Gertler and H. L. H. Haller. 2,362,128; Nov. 7.
Insecticide dispenser. F. H. Burmeister and I. F. Flatz. 2,362,351; Nov. 7.
Insole and making the same, Reinforced. R. B. Harrison. 2,361,941; Nov. 7.
Intaglio printing. O. Greenstein. 2,362,263; Nov. 7.
Interlocking means for knockdown advertising displays. H. Ziemmerman. 2,362,230; Nov. 7.
Ironer. W. E. Stilwell, Jr. 2,362,322; Nov. 7.
Isocytosine, Preparation of. M. E. Hultquist. 2,362,070; Nov. 7.
Jettison tank valve. A. T. Newell. 2,362,297; Nov. 7.
Jewelry cleaner. C. E. Eggleton. 2,362,251; Nov. 7.
Jiggering apparatus. W. H. Emerson. 2,362,058; Nov. 7.
Joint: *See*—
Flexible joint.
Labeling machine. G. W. Von Hofe. 2,362,328; Nov. 7.
Lactones and making same. L. Ruzicka. 2,361,968; Nov. 7.
Lactones of the saturated and unsaturated cyclopentanopolyhydrophenanthrene series and preparing same. L. Ruzicka and T. Reichstein. 2,361,964–5; Nov. 7.
Lactones of the saturated and unsaturated cyclopentanopolyhydrophenanthrene series, and preparing same. L. Ruzicka. 2,361,966; Nov. 7.
Lactones of the saturated and unsaturated cyclopentanopolyhydrophenanthrene series, Preparing. L. Ruzicka. 2,361,967; Nov. 7.
Lactones of the cyclopentano-polyhydrophenanthrene series and making same. L. Ruzicka. 2,362,408; Nov. 7.
Lactones of the cyclopentanopolyhydrophenanthrene series, and making same. L. Ruzicka. 2,362,439; Nov. 7.
Laminated driving belts, Assembling of. H. Brammer. 2,362,185; Nov. 7.
Laminated gear pump. G. A. Ungar and J. F. Keller. 2,362,106; Nov. 7.
Lamp: *See*—
Flashlight full-beam electric lamp. Germicidal lamp.
Flood light full-beam electric lamp. Piped light full-beam electric lamp.
Lamp. C. E. Meyerhoefer. 2,362,110; Nov. 7.
Lamp and making the same, Combined illuminating and germicidal. J. L. Libby. 2,362,384; Nov. 7.
Lasting mechanism. A. Eppler, Jr. 2,362,059; Nov. 7.
Latch: *See*—
Door latch.
Latching mechanism. W. A. Endter. 2,362,256; Nov. 7.
Leaf entering and centering mechanism for tobacco strippers. R. E. Rundell. 2,362,098; Nov. 7.
Leveling device for gravimeters. P. H. James. 2,362,135; Nov. 7.
Lighter. F. R. Higley and V. O. Beam. 2,362,272; Nov. 7.
Lighting fixture. P. J. Parlato. 2,362,091; Nov. 7.
Lipstick display and sample cabinet. N. H. Freeman. 2,362,367; Nov. 7.
Liquid fuel burner. J. L. Breese. 2,361,911; Nov. 7.
Liquid fuel control for hot water heaters. J. L. Breese. 2,361,913; Nov. 7.
Liquors, Treatment of nitrotoluol waste. R. A. Hales, E. G. Almy, A. A. Young, and C. D. Pratt. 2,362,066; Nov. 7.
Lifter: *See*—
Plate and receptacle lifter.
Lock: *See*—
Reversible rotary bolt lock.
Lock mechanism. W. A. Endter. 2,362,253; Nov. 7.
Locking mechanism for control gears. G. Barrett. 2,361,920; Nov. 7.
Lubricant. J. G. McNab. 2,362,292; Nov. 7.
Lubricant. J. G. McNab and W. T. Watkins, Jr. 2,362,293; Nov. 7.
Lubricant. P. Miller and E. Lieber. 2,362,290; Nov. 7.
Lubricant. C. Winning. 2,362,291; Nov. 7.
Lubricants. J. H. Bannon. 2,362,233; Nov. 7.
Lubricants. J. M. Musselman and H. P. Lankelma. 2,361,957; Nov. 7.
Lubricating compositions. L. A. Mikeska. 2,362,289; Nov. 7.
Machine for making fiber container parts. J. M. Hothersall and J. H. Murch. 2,361,942; Nov. 7.
Machine for producing knitted fabric. E. Wildt, H. H. Holmes, and J. C. H. Hurd. 2,362,041; Nov. 7.
Machine for trimming glass ampoules. L. E. Cline. 2,362,115; Nov. 7.
Machine gun operation device for aircraft. M. Glowka. 2,362,199; Nov. 7.
Magazine loading means. R. M. Whitmore. 2,362,109; Nov. 7.
Manganese products, Preparation of. H. A. Brassert and J. C. Hartley. 2,361,925; Nov. 7.
Marking machine. L. E. Francis and N. I. Fleischer. 2,362,261; Nov. 7.
Material handling apparatus. W. Ruddock. 2,362,406; Nov. 7.
Merchandise and premium vending machine. T. E. Stair. 2,361,977; Nov. 7.
Metal-cladding. B. Ronay. 2,361,962; Nov. 7.
Metal cleaning compositions. L. McDonald. 2,362,284; Nov. 7.
Metal cutting tools, Making. F. W. Curtis. 2,361,995; Nov. 7.
Metallic blasting and abrasive material. F. B. Rote. 2,362,310; Nov. 7.
Metallic bodies, Serrating. J. Dusevoir. 2,362,364; Nov. 7.
Metals, Coating. W. T. Pearce. 2,362,397; Nov. 7.
Micrometer gauge. E. C. Horton and A. Rappl. 2,362,203; Nov. 7.
Milking apparatus. J. A. Schmitt. 2,361,970; Nov. 7.
Mill, Dispersion. F. A. Sullivan. 2,362,035; Nov. 7.
Mine, Floating. P. J. M. R. Delalande. 2,362,192; Nov. 7.
Minerals, Recovering. H. L. Reed. 2,362,216; Nov. 7.
Mixer: *See*—
Air mixer. Concrete mixer.
Modulation. J. L. Hathaway. 2,362,201; Nov. 7.
Moistening apparatus. J. O. Ross. 2,362,309; Nov. 7.
Moisture in forages and grains, Determining. R. Q. Parks. 2,362,396; Nov. 7.
Mold operating mechanism for glass blowing machines. R. G. Allen. 2,362,427; Nov. 7.
Molding press. G. L. Cherry, J. R. Johnson, and W. J. Scott. 2,362,048; Nov. 7.
Mop holder. R. C. Gritzmaker and R. C. Reed. 2,362,370; Nov. 7.
Mounting: *See*—
Ophthalmic mounting. Punch mounting.
Pivotal mounting.
Mounting for drilling tools. O. H. Sellars. 2,362,161; Nov. 7.
Nozzle. J. E. Ferguson and C. W. McCreery. 2,362,433; Nov. 7.
Nursing bottle holder. L. Morrow. 2,362,020; Nov. 7.
Nut lock construction. L. Tarwater and W. R. McKenzie. 2,361,979; Nov. 7.
Oil burning equipment and controlling mechanism therefor. H. D. Bliss. 2,362,045; Nov. 7.
Olefins and catalyst therefor, Polymerization of. L. C. Rubin. 2,362,311; Nov. 7.

Ophthalmic mounting. D. P. Bernheim. 2,361,910; Nov. 7.
Ordnance. F. S. Keahey, Jr. 2,362,075; Nov. 7.
Ores, Flotation of. F. J. Cahn. 2,362,432; Nov. 7.
Organic compounds, Production of. H. Dreyfus. 2,361,997; Nov. 7.
Outsoles, Making. J. Gregg. 2,361,938; Nov. 7.
Package, container, and blank therefor. E. M. Brogden. 2,361,926; Nov. 7.
Packless valve. W. C. Marsh. 2,362,438; Nov. 7.
Panel or unit for buildings and building constructed therefrom. B. Brunton and R. G. Booth. 2,362,187; Nov. 7.
Paper, Applying adhesive to wax coated. H. E. Hallman. 2,362,373; Nov. 7.
Pelt stretcher. P. F. Fishbeck. 2,362,062; Nov. 7.
Phenolic resins, Heat-hardenable oil-containing. A. P. Mazzucchelli. 2,362,018; Nov. 7.
Phonograph control, Automatic. F. J. Chojnowski. 2,362,244; Nov. 7.
Photographic emulsion, Sensitized. B. H. Carroll and J. Spence. 2,361,928; Nov. 7.
Photographic materials and manufacturing same. B. Gáspár. 2,361,936; Nov. 7.
Picker, Mechanical fowl or poultry. L. P. Haist. 2,362,371; Nov. 7.
Piezoelectric crystal. W. F. Drews and A. E. Swickard. 2,362,056; Nov. 7.
Pilot baffle, Notched. J. L. Breese. 2,361,912; Nov. 7.
Pipe reaming and cleaning device. B. F. Tade. 2,362,036; Nov. 7.
Piped light full-beam electric lamp. H. Swanson. 2,362,175; Nov. 7.
Pistol, Flare. H. E. Mills. 2,362,391; Nov. 7.
Piston ring. W. S. Mason. 2,362,286; Nov. 7.
Piston ring. W. S. Mason. 2,362,287; Nov. 7.
Pistons, Cooling of. H. R. Ricardo. 2,362,158; Nov. 7.
Pivot structure. A. G. Blanchard. 2,362,429; Nov. 7.
Pivotal mounting. G. H. Kendall, S. Oxhandler, and H. W. Brooks. 2,362,012; Nov. 7.
Planter, Seed. J. V. Ludwig. 2,362,387; Nov. 7.
Plasterboard. J. J. Etridge, J. B. Sandford, and V. Lefebure. 2,362,060; Nov. 7.
Plastic material, Drying. G. A. Perry. 2,362,302; Nov. 7.
Plate and receptacle lifter. A. Ozdobinski. 2,362,395; Nov. 7.
Plug: *See*—
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Polymeric dihalo-ethylene compound. M. W. Renoll. 2,362,094; Nov. 7.
Polymerized dienes, Recovering. J. H. Wells and P. J. Wilson. 2,362,227; Nov. 7.
Polyvinyl alcohol composition. J. D. Quist. 2,362,026; Nov. 7.
Position indicating system, Automatic. F. L. Moseley. 2,361,956; Nov. 7.
Positive cross-feed stop assembly attachment for turning lathes. J. H. Jacobs. 2,362,275; Nov. 7.
Post, Binding. J. C. Dawson, Jr. 2,362,118; Nov. 7.
Powder box. B. Densen. 2,362,055; Nov. 7.
Power truck. A. H. Gfrorer. 2,362,129; Nov. 7.
Press: *See*—
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Price ticket protector. L. Hopp. 2,362,273; Nov. 7.
Prime mover. P. J. McAndrews. 2,361,952; Nov. 7.
Prime movers, Apparatus for testing. W. H. Roberts. 2,362,308; Nov. 7.
Printing plates to their cylinders, Securing. H. M. Barber. 2,361,919; Nov. 7.
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Projector, Motion-picture. D. G. Moore. 2,362,019; Nov. 7.
Propeller control means. E. Martin. 2,361,954; Nov. 7.
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Pulverizing. N. H. Andrews. 2,361,922; Nov. 7.
Pulverizing and classifying machine. H. G. and W. H. Lykken. 2,362,142; Nov. 7.
Pump: *See*—
Laminated gear pump. Vane pump.
Pump. D. N. Evans. 2,362,365; Nov. 7.
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Pump piston. J. W. Kelly. 2,362,139; Nov. 7.
Pump unit for spray or jet devices. A. M. Martin. 2,362,081; Nov. 7.
Pumping mechanism. C. E. Bridwell. 2,361,989; Nov. 7.
Punch and die assembly. L. V. and S. A. Whistler. 2,362,039; Nov. 7.
Punch mounting. J. A. Smith. 2,362,032; Nov. 7.
Punching machine. T. J. Watson. 2,362,037; Nov. 7.
Quick-change structure for boring bars. E. R. Danielson. 2,362,053; Nov. 7.
Radioactivity logging. D. Silverman. 2,362,164; Nov. 7.
Radio receiver. E. F. McDonald, Jr. 2,361,953; Nov. 7.
Railway signal system. F. H. Nicholson. 2,362,394; Nov. 7.
Railway traffic controlling apparatus. P. N. Martin. 2,362,212; Nov. 7.
Range top structure. L. A. Althoff. 2,361,916; Nov. 7.
Razor, Safety. R. L. Albert. 2,361,921; Nov. 7.
Reception of frequency modulated waves. H. Tunick. 2,362,000; Nov. 7.
Record controlled computing machine. A. H. Dickinson. 2,361,996; Nov. 7.
Registering device in the manufacture of paper boxes. J. S. Stokes. 2,362,168; Nov. 7.
Regulator: *See*—
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Remote control system. F. H. Shepard, Jr. 2,362,412; Nov. 7.
Resilient bearing. H. H. Hile. 2,362,008; Nov. 7.
Resin, Volume stabilized acid absorbing. R. J. Myers and J. W. Eastes. 2,362,086; Nov. 7.
Resistance equalizing means for moving vehicle, Atmospheric. A. Boynton. 2,361,924; Nov. 7.
Resistor leads, Machine for forming. H. N. Veley. 2,361,983; Nov. 7.
Respirator. W. H. Lehmberg. 2,362,382; Nov. 7.
Responsive device, Thermally. R. R. Pittman. 2,362,398; Nov. 7.
Retort. V. M. David. 2,362,117; Nov. 7.
Retractable landing gear. W. P. McKinnie. 2,362,016; Nov. 7.
Reversible rotary bolt lock. W. A. Endter. 2,362,254; Nov. 7.
Ring: *See*—
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Rotary center arrangement for turning machines. A. Gnessin. 2,362,265; Nov. 7.
Rotor, Pulverizer. J. T. Fowler. 2,362,366; Nov. 7.
Safety control for gaseous fuel burners. W. F. Jackson. 2,361,945; Nov. 7.
Safety control for gaseous fuel burners. W. F. Jackson and T. H. Jeffers. 2,361,944; Nov. 7.
Safety control for gaseous fuel burners. T. H. Jeffers. 2,362,011; Nov. 7.
Scaffold, Portable folding. R. H. Swaisgood. 2,362,170; Nov. 7.
Seal. M. S. Baker. 2,362,341; Nov. 7.
Seal. F. S. Eves. 2,362,125; Nov. 7.
Seal for rotating shafts, Fluid. C. W. Stratford. 2,362,436; Nov. 7.
Sealing device for dispensers. Le R. P. Root. 2,362,404; Nov. 7.
Sealing ring or the like. C. M. Doede. 2,362,363; Nov. 7.
Selenium rectifier. O. Saslaw. 2,361,969; Nov. 7.
Servo mechanism of the hydraulic type. A. G. Frazer-Nash. 2,361,934; Nov. 7.
Servomotor, Fluid operated. G. E. Armington. 2,362,339; Nov. 7.
Sewing machine table. D. H. Chason and G. H. Egbert. 2,362,243; Nov. 7.
Shackle, Bomb releasing. R. I. Markey. 2,362,210; Nov. 7.
Sharpener, Lawn mower. W. I. Randle. 2,362,400; Nov. 7.
Sheet feeding. L. Baker and G. A. Martin. 2,361,907; Nov. 7.
Sheets to printing machines, Method and mechanism for feeding. W. F. Huck. 2,362,205; Nov. 7.
Shield for electrical currents. W. F. Stahl. 2,362,034; Nov. 7.
Shield, Portable bullet. J. S. White. 2,362,040; Nov. 7.
Shingle, Molded. E. F. Bassler. 2,362,236; Nov. 7.
Ship structure. J. B. Weaver and W. S. Burgess. 2,362,226; Nov. 7.
Shipping or mailing container. M. W. Zimmerman. 2,362,181; Nov. 7.
Shoe. B. D. Huff. 2,362,010; Nov. 7.
Shoe construction. J. Q. Strong. 2,362,169; Nov. 7.
Shutters for stereophotogrammetric plotting, Arrangement of rotary. J. Seemann. 2,362,030; Nov. 7.
Sieve frame. D. E. Sargent. 2,362,099; Nov. 7.
Signal control apparatus. A. E. Dodd. 2,362,194; Nov. 7.
Signal for railways, Torpedo. H. L. Bone and K. J. J. McGowan. 2,362,347; Nov. 7.
Signaling apparatus. A. C. W. Aldis. 2,362,333; Nov. 7.
Signaling system. M. C. Goddard. 2,362,369; Nov. 7.
Silicon from aluminum and aluminum alloys, Removal of. L. F. Mondolfo. 2,362,147; Nov. 7.
Sink and basin stopper, Combined. M. Durst. 2,362,250; Nov. 7.
Ski. A. G. Källström. 2,362,380; Nov. 7.
Snap key ring. G. J. Kollock. 2,362,280; Nov. 7.
Soldering machine. W. D. Jordan. 2,361,947; Nov. 7.
Sorting device for container making machines. N. Pelosi. 2,361,960; Nov. 7.
Spark plug. M. J. Sobel. 2,361,975; Nov. 7.
Speech garbling apparatus. E. N. Dingley, Jr. 2,361,930; Nov. 7.
Spike puller. M. B. Alley. 2,362,334; Nov. 7.
Spinnerette. H. J. Jones. 2,362,277; Nov. 7.
Spring counterbalance for drafting machines. R. H. Cole and P. F. Glover. 2,362,050; Nov. 7.
Sprocket device, Strip feed. A. S. Howell. 2,362,204; Nov. 7.
Starch, Acetylating. W. N. Lindsay. 2,362,282; Nov. 7.
Stationery, Manifolding. H. J. Waechter. 2,362,329–30; Nov. 7.
Steam generating system. J. S. Wallis and J. W. Throckmorton. 2,362,108; Nov. 7.
Steels, Graphitic. F. R. Bonte. 2,362,046; Nov. 7.
Steering mechanism for two-wheeled tractors or the like. H. C. French. 2,361,935; Nov. 7.

Steering mechanism for two-wheeled tractors or the like. H. C. French. 2,362,262; Nov. 7.
Stoker. J. Gehl. 2,362,127; Nov. 7.
Stone picking machine. O. F. Reiter. 2,362,402; Nov. 7.
Stove or heater. L. A. Althoff. 2,361,917; Nov. 7.
Street cleaner. M. V. Bernal. 2,361,909; Nov. 7.
Stringers for slide fasteners, Making. G. Sundback. 2,362,221; Nov. 7.
Strip shearing attachment. J. Galkin. 2,362,437; Nov. 7.
Sugar liquors, Treatment of. A. B. Cummins. 2,362,357; Nov. 7.
Sulphanilamido-thiazoles. G. Newbery. 2,362,087; Nov. 7.
Sulphonamide derivatives of 2-amino-oxazole and their production. G. W. Anderson. 2,362,336; Nov. 7.
Sulphur content of a fluid stream, Determining. M. C. K. Jones. 2,362,278; Nov. 7.
Sulphur from sulphur-bearing hydrocarbons, Removing. E. V. Murphree, C. W. Tyson, D. L. Campbell, and H. Z. Martin. 2,362,296; Nov. 7.
Support: *See*—
Conduit support.
Supporting structure of beverage filling machines. R. J. Stewart. 2,362,167; Nov. 7.
Switch: *See*—
Auxiliary switch.
Switch construction. G. R. Runke. 2,362,312; Nov. 7.
Switchgear, Electrical. G. M. Reed and B. W. Mahoney. 2,362,304; Nov. 7.
Swivel unit, Universally adjustable. N. R. Schwartz. 2,362,100; Nov. 7.
Syringe, Hypodermic. A. E. Smith. 2,362,165; Nov. 7.
Table: *See*—
Sewing machine table.
Tandem wheel assembly. H. Hollmann and W. G. Van Voorhis. 2,362,068; Nov. 7.
Tank-wall temperature indicator. C. H. Walsh. 2,362,423; Nov. 7.
Taping machine. A. F. Shields. 2,362,413; Nov. 7.
Telescopic box. M. I. Williamson. 2,361,984; Nov. 7.
Television power supply. G. M. Daly. 2,362,358; Nov. 7.
Television toy. A. Morch. 2,362,214; Nov. 7.
Textile yarn, Manufacturing. H. Frey. 2,361,999; Nov. 7.
Thionyl chloride, Production of. J. P. Edwards. 2,362,057; Nov. 7.
Thread processing apparatus, Ventilating. L. S. Fryer and R. F. Bergmann. 2,362,063; Nov. 7.
Time-measuring equipment. F. M. Wiese. 2,362,425; Nov. 7.
Timing mechanism. J. W. Molden and A. B. Webber. 2,362,392; Nov. 7.
Tire and wheel separating apparatus. M. H. Ewing. 2,362,061; Nov. 7.
Titanium pigment production. J. E. Booge and L. Stewart. 2,361,987; Nov. 7.
Tool: *See*—
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Torch. R. E. Miller and R. J. Petty. 2,362,213; Nov. 7.
Toy gun. C. H. Hagopian. 2,362,065; Nov. 7.
Tractor mounted crane. R. C. Shoemaker. 2,362,220; Nov. 7.
Trailer for boats. C. R. Livermon. 2,361,951; Nov. 7.
Transmission and drive, Fluid. C. A. Martin. 2,362,389; Nov. 7.
Transmission monitoring system. N. Botsford. 2,362,348; Nov. 7.
Transparency mount. H. L. Fitch and T. L. O'Toole. 2,362,434; Nov. 7.
Trap: *See*—
Animal trap.
Tree, Shoe. J. R. Bernstein. 2,362,237; Nov. 7.
Triethanolamine hydrochloride composition for coccidiosis. P. D. Harwood. 2,362,003; Nov. 7.
Trolley ear. S. S. Matthes. 2,362,082; Nov. 7.
Typewriting machine. A. B. Schuyler. 2,362,029; Nov. 7.
Tumbling apparatus for degreasers. W. D. Phillips and R. A. Van Fossen. 2,362,155; Nov. 7.
Turning machine. O. E. Staples. 2,362,318; Nov. 7.
Turret tool post. H. E. Koehler. 2,362,140; Nov. 7.
Twin-pails holder. A. Weber. 2,362,331; Nov. 7.
2-aminooxazole, Making. G. W. Anderson. 2,362,337; Nov. 7.
Two-stage regulator. W. C. Buttner. 2,362,352; Nov. 7.
Typewriting machine. H. C. Yaeger. 2,362,229; Nov. 7.
Typewriter mechanism. O. C. Kavle. 2,362,138; Nov. 7.
Ultra-high-frequency. C. V. Litton. 2,362,209; Nov. 7.
Unit building structure. R. O. Sheldon. 2,362,162; Nov. 7.
Valve: *See*—
Air venting valve. Jettison tank valve.
Fluid motor bypass valve. Packless valve.
Valve. L. C. Anderson. 2,362,338; Nov. 7.
Valve for drum receptacles, Draining. A. O. Holveck. 2,362,379; Nov. 7.
Vane pump. W. R. Tucker and G. A. Waldie. 2,362,420; Nov. 7.
Vehicle construction and assembling same. J. Ledwinka, G. Trautvetter, and J. W. Kelly. 2,362,077; Nov. 7.
Vehicle headlight with integral full-beam electric lamps. H. Swanson. 2,362,172; Nov. 7.
Vehicle traction attachment. R. W. Collier. 2,362,246; Nov. 7.
Vent structure for storage batteries. C. Ambruster. 2,362,335; Nov. 7.
Ventilator, Black-out. W. W. Carver. 2,362,114; Nov. 7.
Vibration absorbing gear. F. J. Loetterle. 2,362,141; Nov. 7.
Vibration analyzer. W. J. Brown. 2,361,990; Nov. 7.
Vibration power supply system. T. N. Rosser and R. J. Aust. 2,362,028; Nov. 7.
Vinyl polymers, Dyeing. K. Heymann. 2,362,375; Nov. 7.
Vinyl polymers, Dyeing. K. Heymann. 2,362,376; Nov. 7.
Vinyl polymers, Dyeing. K. Heymann. 2,362,377; Nov. 7.
Viscosity reducing. C. E. Hemminger. 2,362,270; Nov. 7.
Vise, Quick-adjustable. R. O. Heinrich. 2,362,067; Nov. 7.
Voting machine. A. N. Gustavson. 2,362,266; Nov. 7.
Wall structure. G. G. Ellinwood. 2,362,252; Nov. 7.
Warp pile fabric. W. S. Nutter. 2,362,299; Nov. 7.
Water-insoluble materials from aqueous polymer dispersions, Distillation of volatile. D. Craig. 2,362,052; Nov. 7.
Water, Purification of. H. L. Olin. 2,362,022; Nov. 7.
Weed guard and trolling plate for outboard motors. L. A. Stoppel. 2,362,323; Nov. 7.
Weight indicator. H. Allen. 2,361,915; Nov. 7.
Welding, Method of and apparatus for. C. M. MacChesney and W. Schroeder. 2,362,388; Nov. 7.
Well equipment. W. J. Crites. 2,362,249; Nov. 7.
Winding and setting mechanism for watches. L. Cohen. 2,362,245; Nov. 7.
Wing construction, Aircraft rotor. J. S. Pecker. 2,362,301; Nov. 7.
Wire drawing. C. D. Johnson. 2,362,073; Nov. 7.
Wire tightening tool. B. G. Capra. 2,362,112; Nov. 7.
Work holder or collet holding mechanism for metalworking machines. E. S. Mariotte. 2,362,146; Nov. 7.
Wrench: *See*—
Fixed maximum torque tension wrench.

CLASSIFICATION OF PATENTS

ISSUED NOVEMBER 7, 1944

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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THE
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Designs	56	No. 139,402 to No. 139,457, inclusive.
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Notices of Cancellation

U. S. Patent Office, *Richmond, Va., Oct. 19, 1944.*

Oriental Silk Printing Company, its assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Wembley Inc., 910 Poeyfarre St., New Orleans, La., to effect the cancellation of trade-mark registration of Oriental Silk Printing Company, Belmont Ave., Haledon, N. J., No. 194,258, dated January 20, 1925, and the notice of such proceeding sent by registered mail to the said Oriental Silk Printing Company at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Oriental Silk Printing Company, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the Official Gazette for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

U. S. Patent Office, *Richmond, Va., Oct. 17, 1944.*

Bartlay Shirt Co. Inc., its assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Cluett, Peabody & Co., Inc., Troy, N. Y., to effect the cancellation of trade-mark registration of Bartlay Shirt Co. Inc., 30–34 West 26th St., New York, N. Y., No. 292,660, dated March 22, 1932, and the notice of such proceeding sent by registered mail to the said Bartlay Shirt Co. Inc., at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Bartlay Shirt Co. Inc., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the Official Gazette for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

U. S. Patent Office, *Richmond, Va., Oct. 31, 1944.*

Augustine J. Long, *his assigns or legal representatives, take notice:*

A petition for cancellation having been filed in this Office by Standard Milling Company, 88 Lexington Ave., New York, N. Y., to effect the cancellation of trade-mark registration of Augustine J. Long, 407 Fifth St., Macon, Georgia, No. 118,422, dated September 4, 1917, renewed September 4, 1937, and the notice of such proceeding sent by registered mail to the said Augustine J. Long at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Augustine J. Long, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the Official Gazette for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

U. S. Patent Office, *Richmond, Va., Oct. 27, 1944.*

Truly Warner Stores Corporation, its assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Craddock-Terry Shoe Corporation, Lynchburg, Va., to effect the cancellation of trade-mark registration of Truly Warner Stores Corporation, 24 East 42nd St., New York, N. Y., No. 314,181, dated June 19, 1934, and counsel for said Truly Warner Stores Corporation having stated that they are unable to locate said Truly Warner Stores Corporation, notice is hereby given that unless said Truly Warner Stores Corporation, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the Official Gazette for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

U. S. Patent Office, *Richmond, Va., Oct. 27, 1944.*

Weinman & Oelbaum, Inc., its assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Wembley, Inc., 910 Poeyfarre Street, New Orleans, La., to effect the cancellation of trade-mark registration of Weinman & Oelbaum, Inc., 28–30 East 10th Street, New York, N. Y., No. 220,383, dated November 9, 1926, and the notice of such proceeding sent by registered mail to the said Weinman & Oelbaum, Inc. at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Weinman & Oelbaum, Inc., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the Official Gazette for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Condition of Applications Under Examination at Close of Business October 28, 1944

(Total number of applications awaiting action, excluding Trade-Mark Division, 51,984; Trade-Mark Division, 1,770. Oldest new case, Nov. 25, 1943; oldest amended, Oct. 2, 1943.)
(The dates given are 1944 except where † indicates 1943)

Divisions, Examiners, and Subjects of Inventions	Oldest new application awaiting office action	Oldest amended application awaiting office action	No. of applications awaiting action
1. TUCKER, M. W., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	Apr. 25	June 8	570
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	Feb. 15	Mar. 13	728
3. WOLFFE, S., Metal Founding; Metallurgy; Metal Treatment; Compositions (part)	Mar. 23	Mar. 17	1,120
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Pneumatic Dispatch; Store Service; Mining, Quarrying and Ice Harvesting.	June 2	June 15	531
5. ROBINSON, C. W., Glass; Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps.	Jan. 3	†Dec. 30	1,383
6. GENIESSE, E. W., Carbon Chemistry (part)	Mar. 20	Apr. 17	1,172
7. JARBOE, C. G., Optics, Photography	June 15	June 20	754
8. IMUS, A. E., Furniture; Kitchen and Table Articles; Locks and Cabinets	June 5	May 15	679
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	Mar. 28	Apr. 22	851
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	June 13	June 13	344
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Clutches and Power Stop Control	Jan. 6	Jan. 6	1,190
13. BEALL, T. E., Gear Cutting, Milling, Planing; Metal Working (part); Needle and Pin Making; Turning.	May 16	May 26	547
14. HANLIN, GEORGE, Metal Working (part); Farriery; Wire Fabrics	May 6	May 4	744
15. HENKIN, BENJ., Natural Resins, Rubber (part); Proteins, Carbohydrates and Derivatives; Plastics	May 4	May 2	717
16. SPENCER, C. J., Telegraphy; Telephony	May 4	May 3	552
17. HABECKER, LEON B., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Jan. 14	Jan. 17	557
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	Nov. 25	Nov. 29	925
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	Apr. 12	Mar. 16	663
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part); Bank Protection; Safes.	May 13	June 16	526
21. THOMPSON, T. J., Textiles	Apr. 12	Apr. 8	480
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance	Mar. 13	Mar. 13	1,240
23. BARROWS, B., Cash Registers; Calculators (part)	Feb. 22	Jan. 24	147
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines	July 15	July 6	465
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	Apr. 3	Mar. 23	780
26. YOUNG, R. R., Electricity—Generation and Motive Power	Jan. 11	Jan. 27	906
27. CLARK, W. N., Brush, Broom, and Mop Making; Brushing, Scrubbing and General Cleaning; Cleaning and Liquid Contact with Solids; Textiles, Fluid Treating Apparatus; Ironing; Washing Apparatus.	Mar. 20	Feb. 21	608
28. SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders, Pistons.	Feb. 26	Jan. 28	808
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Package and Article Carriers; Woodworking; Tools; Metal Working, Assembling.	Apr. 17	Apr. 4	917
30. McCANN, LEO P., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	Feb. 7	Feb. 10	1,063
31. DUNCOMBE, C. S., Hydrocarbons; Mineral Oils	May 26	May 24	1,005
32. LESH, K., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	May 30	May 17	773
33. HULL, J. S., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements; Plastic Block and Earthenware Apparatus.	June 30	June 28	711
34. SAPERSTEIN, S., Electricity—Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators.	Apr. 18	May 11	474
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	Apr. 21	Apr. 24	691
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	Feb. 28	Apr. 4	559
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Jan. 29	Feb. 17	836
38. KRAFFT, C. F., Coating Processes; Coating or Plastic Compositions (part); Rubber (part)	Mar. 8	Mar. 14	667
39. WHITNEY, F. L., Fluid-Pressure Regulators; Valves; Water Distribution	Apr. 12	Apr. 15	783
40. DRUMMOND, E. J., Receptacles (part); Packages	May 23	May 25	766
41. HERTZ, M., Coin Handling; Recorders; Deposit Receptacles; Counters and Calculators (part); Typewriting Machines; Check-Controlled Apparatus.	Jan. 21	Feb. 3	387
42. MARANS, H., Electric Signaling; Electricity, Galvanometers and Meters	May 27	May 9	555
43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	Apr. 8	Apr. 5	759
44. HARVEY, L. P., Refrigeration; Preserving	†Dec. 28	†Dec. 29	496
45. HILL, H. D., Shafting and Flexible Shaft Couplings; Wheels, Tires, Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part); Spring, Weight and Horsepower Motors.	Mar. 1	Mar. 24	1,189
46. BLEECKER, V. E., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Coating Apparatus.	Jan. 22	Jan. 22	559
47. KANOF, WM. J., Brakes; Boring and Drilling; Motor Vehicles; Land Vehicles (part)	June 10	May 29	838
48. ROEPKE, O. B., Electricity, General Applications; Electric Igniters	Mar. 30	Mar. 30	840
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	Apr. 20	Apr. 24	587
50. LEVIN, SAMUEL, Synthetic Resins	Apr. 8	Apr. 8	1,398
51. CROCKER, A. W., Radiant Energy, Multiplex Telephony, Modulators	Mar. 13	Mar. 7	1,483
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits; Ornamentation.	Apr. 6	Mar. 10	1,031
53. PECK, M. K., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	Mar. 13	†Dec. 10	624
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	Jan. 1	Oct. 2	1,016
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Laminated Fabrics (part)	Feb. 19	Mar. 24	549
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making	Mar. 6	Mar. 13	365
57. NICOLSON, G. D., Toys, Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	†Dec. 13	Feb. 22	670
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements	May 11	Apr. 8	681
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds	Feb. 8	Feb. 9	1,486
60. GLASS, R. L., Electricity-Heating; Welding; Furnaces; Batteries and Their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	Jan. 15	Jan. 15	956
61. YUNG KWAI, B., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Boats, Buoys and Ships.	May 11	May 13	661
62. PUGH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors	Apr. 15	Apr. 17	1,194
63. WINKELSTEIN, A. H., Poisons; Fermentation; Foods and Beverages; Oils and Fats	Mar. 2	Mar. 8	1,047
64. NASH, P. M., Acetylene; Gas Mixers; Compositions (part); Fuel	June 10	June 9	849
65. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays (e. g., Amplifiers).	Jan. 31	Feb. 5	1,039
TRADE-MARKS: RICHMOND, F. A.	Aug. 1	July 25	1,770
DESIGNS: KALUPY, H. H.	Sept. 9	Sept. 25	793

DECISIONS IN PATENT AND TRADE-MARK CASES

Decisions of the Board of Appeals

EX PARTE WATT

No. 42,894. Decided December 16, 1942

1. CLAIMS—"MARKUSH" TYPE.

Claims to salts of a 2-mercapto 4-aryl thiodiazole 5-thione and an amine of the general formula



with R_1 and R_2 defined as radicals of the class consisting of hydrogen, aralkyl, alicyclic and heterocyclic radicals, not more than one hydrogen being present, and radicals wherein R_1 and R_2 together with the amino radical constitute one of the heterocyclic and guanidine groups, the Markush groups being so stated as to exclude the methylamine, dimethylamine, triethylamine, and tripropylamine salts disclosed in a cited reference *Held* properly rejected on the ground that the groups are improper and do not constitute a sub-group with characteristics not shared by the amine salts of the reference.

2. PATENTABILITY—AMINE SALTS OF THIODIAZOLES.

Where it was not assured that the prior art taught the concept of the compound expressed in a claim as the cyclohexylamine salt of a 2-mercapto-4-phenyl-thio diazole 5-thione or that routine research inspired by the cited references would with certainty have produced it, and this compound appeared to be new and was regarded as inventive, *Held* that the rejection of the claim would not be sustained.

3. DIVISION—COMPOUND AND METHOD OF USING.

A requirement for division between (I) claims to a method of vulcanizing rubber, using specified amine salts of thiodiazoles, and to the vulcanized product, and, (II) claims to these compounds per se, *Held* properly to have been made, although the only use disclosed for the compounds by applicant was as an activator for rubber accelerators, another obvious use for the compounds being as intermediates in the preparation of other compounds.

4. PATENTABILITY—AMINE SALTS OF THIODIAZOLES.

Certain claims drawn to non-elected species *Held* properly rejected in the absence of an allowable generic claim.

APPEAL from Examiner. Modified.

Mr. R. H. Waters for Watt.

Before CLIFT, SHAFFER, and RICHARD,
Examiners-in-Chief

RICHARD, *Examiner-in-Chief:*

This is an appeal from the final rejection of all the claims, namely, 1 to 8, 12 to 21, 24 and 25.

Claims 1, 14, 19, and 24 are typical and read as follows:

1. The method which comprises vulcanizing rubber in the presence of an amine salt of a 2-mercapto 4-aryl thiodiazole 5-thione.

14. A rubber product which has been vulcanized in the presence of an amine salt of a 2-mercapto 4-aryl thiodiazole 5-thione.

19. The cyclohexylamine salt of 2-mercapto-4-phenyl-thio diazole 5-thione.

24. Salts of a 2-mercapto 4-aryl thiodiazole 5-thione and an amine of the general formula

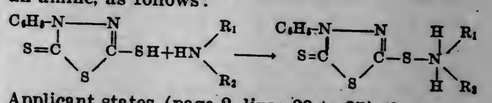


where R_1 and R_2 are radicals of the class consisting of hydrogen, aralkyl, alicyclic and heterocyclic radicals, not more than one hydrogen being present, and radicals wherein R_1 and R_2 together with the imino radical constitute one of heterocyclic and guanidine groups.

The references relied upon by the Examiner are: Sebrell, 1,583,762, May 4, 1926; Scott, 1,777,738, October 7, 1930; Scott, 1,779,715, October 28, 1930; Sebrell, 2,024,605, December 17, 1935; Sebrell, 2,050,195, August 4, 1936; Berichte Der Deutschen Chemische Gesellschaft, Vol. 29, pages 2127 to 2141.

This appeal is concerned with certain amine salts of thiodiazoles claimed per se and also with the method of using same in vulcanizing rubber as an activator for accelerators. A question of division is also presented.

Applicant prepares his compounds by the reaction of a 2-mercapto 4-aryl thiodiazole 5-thione with an amine, as follows:



Applicant states (page 2, lines 23 to 25) that

"R_1 and R_2 may be aliphatic, aromatic, or heterocyclic groups or hydrogen, not more than one hydrogen being present."

Numerous examples of amines are recited on page 3, including special cases under the broad definition given. Among these is cyclohexyl-amine which would give the salt of claim 19, the elected species.

[1] During the prosecution the Examiner rejected claim 9 on Berichte, page 2139, where the claimed methyl amine and the dimethylamine salts were disclosed and where on page 2140 the triethylamine and tripropylamine salts were disclosed. Applicant canceled claim 9 and substituted claims 24 and 25 with R_1 and R_2 defined as Markush groups so stated as to exclude the compounds disclosed by Berichte. It is the Examiner's position that these Markush expressions merely "weave around" the references, and that the groups are improper and do not constitute a sub-group with characteristics not shared by the amine salts of Berichte.

With this position we agree. The principal argument advanced in applicant's brief against Berichte is that the claims do not read thereon. His specification, in so far as it discloses any class determinants for all of the many salts proposed, teaches only that all of the salts can be made by the typical reaction and contain a common nucleus. With these determinants, characterizing a class which includes the compounds of these claims and also those of Berichte, claims 24 and 25 are thereby defeated, (*In re Ayres*, 1936 C. D. 468, 23 C. C. P. A. 1118, 471 O. G. 247) since the class is not made new by the cancellation of anticipated members. *Ex parte Ellis*, 18 Journal of Patent Office Society 731. Applicant has not shown that the resulting group of these claims possesses additional characteristics not shared by the entire group originally proposed by him, and not possessed by the compounds of the reference.

[2] The Examiner has rejected claim 19 to the elected species—cyclohexylamine salt—as an obvious member of the class of amine salts disclosed by Berichte, also as not patentable over Berichte taken with either Sebrell, 2,024,605 or 2,050,195, or Scott, 1,779,715 or 1,777,738. The Sebrell patents show the cyclohexylamine salt of other mercaptans, and the Scott patents teach a purpose of reacting a mercaptan with an organic base to render the mercaptan less acidic and thereby increase its activity as an accelerator.

While it is now apparent through applicant's specification that the particular compound of claim 19 is one of the permutations made possible by reacting one of the thiodiazoles with one of the amines of the respective classes listed, if the concept of the particular compound first existed, it is not assured that the prior art taught such concept or that routine research inspired by the references would with certainty have produced it. This compound per se appears to be new and we regard it as inventive.

[3] Division was finally required between (I)—claims 1 to 8 to the method of vulcanizing rubber, using the compounds hercindisclosed; also claims 14 to 18 to the vulcanized product, and, (II) claims 12, 13, 19, 20, 21, 24, and 25, to the compound per se. Applicant elected Group II, and within Group II elected the cyclohexylamine salt species of claim 19. Claims 12, 13, 20, and 21 were rejected as directed to a non-elected species not patentable in this case unless a generic claim is allowed. Claims 24 and 25 are generic.

The only use disclosed for the compounds was as an activator for rubber accelerators. If more than one use had been disclosed the divisibility of these claims would have been unquestioned. Applicant alleges he knows of no other use. The Examiner alleged his belief that the compounds have other uses, and cited a patent to Hahl which shows the use as a pharmaceutical of a structurally somewhat similar compound. Applicant points out, and we agree with him, that it could not be predicted with any degree of assurance that applicant's compounds could be used for the same purpose as that suggested by Hahl. However this does not assure that applicant's compounds could not be used for some other purpose.

In approving division the Classification Examiner held—

"There is every reason to believe that the salts claimed are capable of other uses than the single use disclosed."

It is believed that this language was used advisedly. The Examiner is in possession of many sources of information, and has called attention to patents to Christmann, No. 1,852,108, where a similar compound, 2-mercapto 4-phenyl thiodiazole 5-thione is used as a promoter in the froth flotation of ores—and to No. 1,894,344, where the ammonium salt is used for the same purpose. Regardless of whether applicant's compounds could or could not be used in a froth flotation process we are of the opinion that they could be regarded as intermediates in the preparation of other compounds, since it is obvious that any organic compound can be so used. This is a use other than that disclosed by applicant.

The method of Group I will not produce the salts of Group II claims. The field of search for claims of the two groups is different, and the tests of patentability are different. For the "use" claims of Group I the search is conducted to determine what compounds of generally analogous structure can be found, and the extent to which they teach suitability as an accelerator and to determine if possible to what nuclear structure this particular suitability is due. For Group II claims the search is to find the exact structure of any of the compounds given as examples or of any one coming within the terms of the broadest claim.

[4] We are of the opinion that division was properly required between Groups I and II; and within Group II, since no generic claim is allowed, the rejection of claims 12, 13, 20, and 21 was proper.

The decision of the Examiner is reversed as to claim 19 and is affirmed as to the other claims.

U. S. Court of Customs and Patent Appeals

ROGERS PEET COMPANY

v.

THE B. F. GOODRICH COMPANY

No. 4,882. Decided June 19, 1944

[143 F.(2d) 880]

1. TRADE-MARKS—GOODS OF THE SAME DESCRIPTIVE PROPERTIES.

Goods described in appellee's application as "plain, colored, and/or printed fabrics impregnated and/or coated with a synthetic composition having rubber like characteristics," and intended to be sold to the wholesale trade to be made up into such articles as the trade might desire including "shower curtains, waterproof clothing and raincoats," to which appellee applies the mark "KOROMIST" *Held* to possess the same descriptive properties as the various articles of men's and boys' clothing including overcoats, to which appellant applies the mark "Mist."

2. SAME—TRADE PRACTICES.

"It is not uncommon in the trade and commerce of the United States for the owner of a trade-mark for use on piece goods to permit such goods to be made up into articles of clothing and to use its trade-mark on such articles."

3. SAME—CONFUSING SIMILARITY.

Appellee's mark "KOROMIST" and appellant's mark "Mist" as used on goods of the same descriptive properties *Held* to be confusingly similar in that appellee had appropriated appellant's entire mark.

APPEAL from the Patent Office. Reversed.

Messrs. Semmes, Keegin, Beale & Semmes, S. Warwick Keegin and *Lee M. Robinson* (*Mr. Ezra P. Prentice* of counsel) for Rogers Peet Company.

Mr. Willis F. Avery (*Mr. Loyd H. Sutton* of counsel) for The B. F. Goodrich Company.

HATFIELD, *J.:*

This is an appeal in a trade-mark opposition proceeding from the decision of the Commissioner of Patents reversing the decision of the Examiner of Interferences holding that the marks of the parties are confusingly similar and sustaining appellant's notice of opposition.

Appellee's trade-mark consists of the word "KOROMIST."

It appears from appellee's application for registration, No. 427,938, filed January 27, 1940, that appellee had used its mark on

"plain, colored, and/or printed fabrics impregnated and/or coated with a synthetic composition having rubber like characteristics"

since December 29, 1939.

It appears from the record that appellant is the owner of the following trade-mark registrations: No. 95,149, issued February 3, 1914, for the words "Scotch Mist proofed," the word "proofed" being disclaimed apart from the mark as shown, for use on outer suits and overcoats; No. 121,006, issued March 19, 1918, for the words "Scotch Mist," for use on hats and caps; No. 342,520, issued January 19, 1937, for the words "Highland Mist," for use on suits, coats, vests, pants, overcoats, and topcoats for men, which mark, according to the record, was purchased by appellant from S. Makransky & Sons along with the goods and good will of that company; and No. 358,782, issued July 26, 1938, for a composite trade-mark, the dominant feature of which is the word "Mist," for use on men's and boys' suits, overcoats, hats, leather, rubber and fabric shoes, raincoats, negligee and sport shirts, collars, neckties, and hosiery.

Considerable evidence was introduced by appellant which, briefly stated, establishes that appellant and its predecessor have been in business since 1874. It appears from the evidence that during that entire period appellant and its predecessor have been engaged in the wholesale and retail trade; that appellant manufactures and sells expensive and high quality ready-made wearing apparel for men, young men, and boys; that it is the largest manufacturer of this type of clothing in the United States; that long prior to any date that can be awarded to appellee, appellant manufactured and sold waterproof overcoats under its various trademarks; that its overcoats are frequently called for by the name "Mist" by both men and women; that it has four retail stores in New York city and one in Boston; that it has a so-called "mail order department"; that its overcoats and other goods are sold throughout the United States under its trademarks; that its trade-mark "Mist" has been used on both light- and heavy-weight overcoats; that the first shipment of a coat bearing the trade-mark "Mist" was on April 23, 1937; that appellant has expended large sums of money, the exact amount does not appear of record, in advertising its goods through such mediums as window-display cards, newspapers in New York city, Boston, and New Jersey, suburban daily and weekly papers, the Christian Science Monitor, and magazines, such as Fortune, American Hebrew, Jewish Opinion, the National Jewish Monthly, Promenade, Town and Country, Esquire, New Yorker, and the Saturday Evening Post.

It is apparent from the record that appellant's so-called "Mist trade-marks" have become popularized throughout the greater portion of the United States, and that many purchasers refer to appellant's overcoats merely as "Mist" overcoats.

Appellee submitted in evidence a stipulation entered into by counsel for the parties on December 9, 1940, wherein it is stated that appellee's material is

"adapted for sale and use as waterproof material in the manufacture in general of articles for which waterproof material of this type is suitable; that it is the intention of the applicant [appellee] to sell this material to the wholesale trade to be made up into articles for which the purchasers may wish to employ the material, including such articles as shower curtains, *waterproof clothing and raincoats.*" [Italics ours.]

Appellee also submitted in evidence prior registrations issued to third persons all of which, although prior to appellant's registration of the trade-mark "Mist," were subsequent to the other of appellant's registrations hereinbefore referred to.

In his decision, sustaining appellant's notice of opposition and holding that appellee was not entitled to the registration of its mark, the Examiner of Interferences stated, among other things, that the goods of the parties possess the same descriptive properties, and that appellant's mark "Mist" and appellee's mark "KOROMIST" are confusingly similar.

The Examiner held that the prior registrations to which attention had been called by appellee would not warrant a conclusion that there would be no likelihood of confusion in the trade by the concurrent use of the marks of the parties. In so holding, the Examiner cited the case of *The Pepsodent Co.* v. *Comfort Manufacturing Co.*, 23 C. C. P. A. (Patents) 1224, 83 F.(2d) 906, 29 U. S. P. Q. 601, 472 O. G. 258, where it was contended by the appellee that prior registrations to third persons of marks of which the word "dent" was a part was some indication that no confusion in trade would result if it was permitted to register its mark "Pearledent" for use on dentifrices, although The Pepsodent Company was the owner of the registered trade-mark "Pepsodent" for use on dentifrices and antiseptics.

In our decision in that case, holding that the applicant (Comfort Manufacturing Co.) was not entitled to register its mark, we said, inter alia:

We have frequently said that an applicant for the registration of a trade-mark does not strengthen his own case by pointing out a confusing similarity between trade-marks registered in the Patent Office which are not involved in applicant's proceeding. It has always been the view of this court that an applicant's right to the registration of a mark, which implies the exclusive right to use the same, is not enlarged or changed by a consideration of confusingly similar trade-marks which have been registered in the Patent Office. Appellee's argument, in effect, amounts to a contention that since there is already confusion by reason of Patent Office registrations and extensive use of the term "dent" in many marks, it should have the right to further add to the existing confusion. We do not think the registration statute was intended to promote such a condition as appellee, in effect, argues for.

Cases were cited in support of that statement.

In reversing the decision of the Examiner of Interferences, the Commissioner, as we understand his decision, held that the goods of the parties possess the same descriptive properties, but that, in view of the differences in the marks and the differences in the goods, confusion in trade would not be likely to result by appellant's use of its mark

"Mist" on its goods and appellee's use of the mark "KOROMIST" on its goods.

In support of his holding, the Commissioner cited the case of *Puerto Rico Distilling Co.* v. *The Coca-Cola Co.*, 28 C. C. P. A. (Patents) 1143, 120 F.(2d) 370, 49 U. S. P. Q. 660, 531 O. G. 797, where it was held by a majority of the court that the trade-mark "RONRICOLA," for use on rum, alcoholic cocktails, and beverages containing substantial portions of rum, and the trade-mark "Coca-Cola," for use on a non-alcoholic beverage, were not confusingly similar in view of the differences in the marks and the differences in the goods of the parties.

We are of opinion that the decision in that case is not applicable to the issues here presented.

[1] It is clear, we think, that the goods of appellant and those of appellee possess the same descriptive properties. See *Kushner & Gillman, Inc.*, v. *Mayflower Worsted Co.*, 56 App. D. C. 165, 11 F.(2d) 462, 351 O. G. 686; *American Woolen Company* v. *H. Freeman & Son, Inc.*, 30 U. S. P. Q. 88; *In re Defender Mfg. Co., Inc.*, 58 App. D. C. 234, 26 F.(2d) 1012, 378 O. G. 4.

In the Kushner & Gillman case, supra, the tribunals of the Patent Office held that worsted goods in the piece (a material to be used in making men's clothing, such as coats and suits) and men's clothing were goods of the same descriptive properties. The court affirmed the Commissioner's holding, and, in so doing, said:

> Where a manufacturer of worsted piece goods, which are designed to be used almost exclusively as material for men's coats and suits, adopts a trade-mark and advertises it at great expense, it is not permissible afterwards for a manufacturer of such coats and suits to adopt and use the same mark, since the identity of marks in such case would naturally lead the purchasing public to believe that the two classes of articles came from the same source, and that the coats and suits were manufactured from the goods bearing the same trade-mark. The likelihood of damage to the manufacturer of the worsteds in such a case is too obvious to require discussion.

The distinction between the facts in that case and those in the case at bar is that in the instant case, according to the stipulation, appellee's waterproof material is intended to be sold to the wholesale trade to be made up into such articles as the trade might desire, including "shower curtains, waterproof clothing and raincoats." That distinction, we think, is not of importance.

In the American Woolen Company case, supra, the Commissioner held that, although the appellant's woolen piece goods had uses other than as material to be used in the making of "men's and young men's topcoats, overcoats and suits," nevertheless, woolen piece goods, on the one hand, and topcoats, overcoats, and suits, on the other, possessed the same descriptive properties.

In the case of *In re Defender Mfg. Co., Inc.*, supra, it was held that "sheets, pillowcases, towels, handkerchiefs, *made in part at least* of cotton textile fabric" were goods of the same descriptive properties as "cotton cloth piece goods." [Italics not quoted.]

[2] It may be said at this point that it is not uncommon in the trade and commerce of the United States for the owner of a trade-mark for use on piece goods to permit such goods to be made up into articles of clothing and to use its trade-mark on such articles. Such was the situation in the cases of *Sexton Manufacturing Co.* v. *Goodall Worsted Co.*, 17 C. C. P. A. (Patents) 1196, 40 F.(2d) 1017, 5 U. S. P. Q. 128, 399 O. G. 418, and *B. B. & R. Knight* v. *W. L. Milner & Co.*, 283 Fed. 816. See also the case of *Crown Fabrics Corporation* v. *American Viscose Corporation* (decided concurrently herewith), 31 C. C. P. A. (Patents) —, — F.(2d) —, — U. S. P. Q. —.

It will be observed that it is recited in the quoted excerpt from the stipulation that it is the intention of appellee to sell its material to the wholesale trade to be used in making waterproof clothing and raincoats, and, although there is nothing in the evidence to indicate that appellee intends to permit the use of its trade-mark on such clothing, there is nothing to prevent it from doing so if it is the exclusive owner of such mark. Nor is there anything of record to indicate that appellee, if it desired to do so, could not, in the natural extension of its business, manufacture its waterproof material into waterproof clothing and raincoats and sell the same under its trade-mark. Furthermore, appellee has appropriated appellant's entire mark "Mist."

[3] We are of opinion that the marks of the parties are confusingly similar. See *Lever Brothers Co.* v. *The Sitroux Co.*, 27 C. C. P. A. (Patents) 858, 109 F.(2d) 445, 44 U. S. P. Q. 357, 516 O. G. 539, where it was held that the goods of the parties possessed the same descriptive properties, and that as appellee had appropriated the entire mark, "LUX," of appellant, appellee's mark "SIT-RU-LUX," for use on toilet paper, was confusingly similar with the mark "LUX," for use on toilet soap.

We hold, therefore, that the concurrent use of the marks of the parties on their goods would be likely to cause confusion in the trade and deceive purchasers.

For the reasons stated, the decision of the Commissioner is reversed.

Reversed.

GARRETT, *P. J.*, did not participate in the consideration or decision of this case.

LENROOT, *J.*, sat during the arguments of this case, but resigned before the opinion was prepared.

U. S. Court of Customs and Patent Appeals

THE VITAB CORPORATION
v.
THE KNOX COMPANY
and
ENDO PRODUCTS, INC.

No. 4,831. Decided June 19, 1944

[143 F.(2d) 883]

1. APPEAL—TRADE-MARK INTERFERENCE—INTERLOCUTORY ORDER OF DISSOLUTION.
   An interlocutory order dissolving a trade-mark interference proceeding *Held* not appealable to the Court of Customs and Patent Appeals.

2. SAME—SAME—FINAL DECISION.
   Where the Commissioner, in dissolving the interference on appeal, ruled that there was no interference in fact between the applications of appellant and those of the appellees, stating that appellant's products were foods, whereas the product of each of the appellees was a medicinal preparation, and that, therefore, appellant's products were not goods of the same descriptive properties as those of the appellees; and also ruled that the trade-marks of each of the appellees could be registered for use on their respective goods, *Held* that his decision was a final decision, and that the court had jurisdiction of appellant's appeal therefrom.

3. SAME—SAME—SAME.
   "The holding of the Commissioner prevents appellant from securing registration of its marks for use on its goods as medicinal preparations, and, under the Commissioner's decision, appellant would be estopped, unless an appeal would lie therefrom, from prosecuting its present applications for the registration of its trade-marks."

4. TRADE-MARKS—GOODS OF THE SAME DESCRIPTIVE PROPERTIES.
   The liquid and powdered extracts of rice bran, rice polishings, wheat germ and milk whey containing the vitamin B complex, and dry powders comprising an adsorbate of the liquid extracts on fuller's earth or similar clays, to which appellant applies the trade-marks "Vetab" and "Vitab"; "medicine for invigorating, stimulating, maintaining and restoring the vitality of the genital system of the human body, and for the treatment of sexual weakness, nervousness, loss of virility and impotence, and to build blood, strengthen the bones, and restore lost energy," to which appellee Knox Company applies a trade-mark the dominant feature of which is the term "Vi-Tabs"; and "a preparation used to supply vitamin B_1 through injections," to which appellee Endo Products, Inc., applies the trade-mark "Vitabee" *Held* to possess the same descriptive properties.

5. SAME—CONFUSING SIMILARITY.
   Held that the purchasing public, in view of appellant's use of the trade-marks "Vetab" and "Vitab" and the use by The Knox Company of the mark "Vi-Tabs" and the use by Endo Products, Inc., of the mark "Vitabee" on the respective goods of the parties, would likely be confused or deceived into believing that the goods of the parties emanate from the same source.

6. APPEAL—REMAND.
   "In view of our holding that there is an interference in fact between the applications of the parties here involved and as this is an interference proceeding, we think the Commissioner should pass upon the question of priority of use and such other questions as might properly be before him."

APPEAL from the Patent Office. Reversed and remanded.

Mr. Harold A. Swanson for The Vitab Corporation.

Mr. A. Viault for The Knox Company.

Mr. Asher Blum (*Messrs. Hugo Mock, David L. Klein, Charles R. Allen* and *Alex Friedman* of counsel) for Endo Products, Inc.

HATFIELD, *J.*:

This is an appeal in a trade-mark interference proceeding from the decision of the Commissioner of Patents holding that there was no interference in fact between the applications of appellant (The Vitab Corporation) and those of the appellees, and dissolving the interference for reasons hereinafter set forth.

Appellant's application, No. 422,882, filed August 23, 1939, is for the registration of the term "Vetab" for use on

> "liquid and powdered extracts of rice bran, rice polishings, wheat germ and milk whey containing the vitamin B complex, dry powders comprising an adsorbate of the liquid extracts on fuller's earth or similar clays in Class 6, Chemicals, medicines, and pharmaceutical preparations."

It is stated in that application that appellant is the owner by assignment of registration No. 303,022, issued May 9, 1933, and registration No. 316,015, issued August 14, 1934.

On July 6, 1939, appellant filed an application, No. 421,330, for the registration of the term "Vitab" for use, as stated in an amendment dated August 29, 1939, on

> "liquid and powdered extracts of rice bran, rice polishings, wheat germ and milk whey containing a vitamin B complex, dry powders comprising an adsorbate of the liquid extracts on fuller's earth or similar clays in Class 6, Chemicals, medicines, and pharmaceutical preparations,"

and called attention therein to its ownership of the registrations referred to in its application No. 422,882.

Appellant's registration No. 303,022 is for the trade-mark "Vitab" for use on

> "bread, brown rice, crisp bread, soya bean flour and rice polishings, in Class 46, Foods and ingredients of foods."

Its registration No. 316,015 is for the trade-mark "Vitab" for use on a

> "cereal concentrate, that is, a flour-like preparation of wheat germ and rice polishings, in Class 46, Foods and ingredients of foods."

Appellee Knox Company's application here involved, No. 423,541, was filed September 1, 1939, and is for the registration of a trade-mark, the dominant feature of which is the term "Vi-Tabs," for use on

> "medicine for invigorating, stimulating, maintaining and restoring the vitality of the genital system of the human body, and for the treatment of sexual weakness, nervousness, loss of virility and impotence, and to build blood, strengthen the bones, and restore lost energy, in Class 6, Chemicals, medicines, and pharmaceutical preparations."

The application of Endo Products, Inc., No. 407,585, was filed June 17, 1938, and is for the registration of the term "Vitabee" for use as a trade-mark on

> "a preparation used to supply vitamin B_1 through injections, in Class 6, Chemicals, medicines, and pharmaceutical preparations."

In holding that there was no interference in fact between appellant's applications and those of the appellees, the Commissioner stated, in substance, that appellant's products were foods, whereas the product of each of the appellees was a medicinal preparation, and that, therefore, appellant's products were not goods of the same descriptive properties as those of the appellees. The Commissioner further stated that the goods of The Knox Company and those of Endo Products, Inc., were goods of the same descriptive properties, but that they differed widely in many of their essential characteristics and were not competitive; that the marks of those parties, although similar, were by no means identical; and that—

> The Knox Company and Endo Products, Inc., appear to be in agreement that the concurrent use of their marks is not likely to result in confusion; and each is willing that the other's mark be registered. Upon the record before me, I am constrained to accept the judgment of the parties in that regard.

The Commissioner then reversed the decision of the Examiner of Interferences and dissolved the interference.

The first issue to be decided is whether, in view of the fact that the Commissioner dissolved the interference, this court has jurisdiction of the appeal. That issue was raised at the time of the oral arguments by a member of the court, and briefs were submitted by counsel for the parties relative thereto.

[1] An interlocutory order dissolving a trade-mark interference proceeding in the Patent Office is not appealable to this court. See *Union Distilling Company* v. *Schneider*, 29 App. D. C. 1, 129 O. G. 2503, wherein it was held that the dissolution of a trade-mark interference in the Patent Office because of the existence of a prior registration was not a final decision from which an appeal would lie to the court.

Counsel for appellant in that case argued that the prior registration referred to was not valid and was not prima facie evidence of ownership because the act of 1870 under which it issued had been held to be unconstitutional.

In its opinion, the court called attention to the fact that in the case of *Ex parte Star Distillery Co.*, 119 O. G. 964, it was held that registrations under the act of 1870 were to be regarded as proper references until overcome in some way by an applicant, and stated that

"appellant's remedy would seem to be not an interference, but a showing in the form of affidavits tending to overcome the presumption that the registrant under the act of 1870 is still the owner of the mark. If such affidavits are filed, a continuance of the present interference will necessarily follow."

The court then held that as the appeal before it was not from a final order refusing registration, but from an interlocutory order, the appeal did not lie.

In the case of *In re Herbst*, 32 App. D. C. 269, 141 O. G. 287, it appears that there had been an interference in the Patent Office involving the party Herbst and other parties who were attempting to register the words "Old Judge" for use as a trade-mark. During the taking of testimony, it was found that the mark had been adopted and used by a stranger to the interference proceeding long prior to its adoption and use by any of the parties to the interference. When that fact was called to the attention of the Examiner of Interferences, he held that none of the parties to the interference was entitled to the registration of the mark. On appeal, the Commissioner of Patents affirmed the decision of the Examiner of Interferences. After the Commissioner's decision had become final, the party Herbst made application to the Examiner of Trade-Marks, requesting that his original application be allowed. The Examiner denied the application on the ground that the decision of the Commissioner in the interference proceeding had become final. On appeal, the Commissioner affirmed the decision of the Examiner. The court held that as the appellant did not file an appeal from the Commissioner's decision, the decision became final and the issue was res adjudicata. The court also called attention to section 7 of the Trade-Mark Act of February 20, 1905, which provides, in part, that the Commissioner may declare that an interference exists between applications for trade-mark registrations,

"and in every case of interference or opposition to registration he shall direct the Examiner in charge of interferences to determine the question of the right of registration to such trade-mark, and of the sufficiency of objections to registration, in such manner and upon such notice to those interested as the Commissioner may by rules prescribe."

The section further provides that the Commissioner may refuse to register both of two interfering marks.

A petition for rehearing was filed in the Herbst case, supra, and was denied in a written opinion (32 App. D. C. 565, 141 O. G. 286), wherein the court called attention to the fact that under section 7, supra, the Commissioner had the power to refuse to register

"'both of two interfering marks,' or to 'register the mark, as a trade-mark, for the person first to adopt and use the mark, if otherwise entitled to register the same,'"

and stated that in a trade-mark interference proceeding the issue is not merely one of priority, as in a patent interference proceeding, but involves any issue that might be raised in an ex parte case. The court also stated that the provision in section 9 of the Trade-Mark Act of February 20, 1905, that

"the same rules of practice and procedure shall govern in trade-mark cases as in patent cases 'as far as the same may be applicable,'"

was not in conflict with the statement of the court that in a trade-mark interference proceeding the issue is not merely one of priority.

[2][3] In the instant case, the Commissioner in dissolving the interference not only held that the goods of appellant were essentially foods and that those of the appellees were medicinal preparations, but also held that the trade-marks of each of the appellees could be registered for use on their respective goods. Obviously, the holding of the Commissioner prevents appellant from securing registration of its marks for use on its goods as medicinal preparations, and, under the Commissioner's decision, appellant would be estopped, unless an appeal would lie therefrom, from prosecuting its present applications for the registration of its trade-marks.

We are of opinion that the decision of the Commissioner was a final decision, and that this court has jurisdiction of appellant's appeal. Accordingly, we will proceed to consider the case on its merits.

The witness Aaron Arnold, testifying for appellant, stated that he was associate head of the Vitamin Chemical Laboratory of the National Oil Products Company (the owner of the appellant company); that he received his bachelor's degree in science from the University of Wisconsin in 1933, and the degree of Doctor of Philosophy in July 1937 from the same university; that he majored in organic chemistry; that in his graduate work he majored in biochemistry; that from 1937 to 1939 he had post graduate work at the university; that during that period and to the time of the taking of his testimony he specialized in animal nutrition, "with particular reference to vitamins"; and that at the time his testimony was taken he was engaged primarily in research. The witness further testified that vitamins might be classified in two groups, the fat soluble group and the water soluble group; that vitamins A, D, E, and K are in the fat soluble group and vitamin B complex and vitamin C are in the water soluble group; that the vitamin B complex contains thiamin, nicotinic acid, riboflavin, pyridoxin, pantothenic acid, and biotin; and that literature on the subject indicated that several of the vitamins, if given in excessive amounts are seriously toxic. As authority for the latter statement, the witness referred to a publication prepared by Dr. Robert R. Williams and Tom D. Spies, entitled "Vitamin B_1 and Its Use in Medicine." The witness also stated that vitamin B_1 extracted from "natural sources" and synthetic vitamin B_1 have the same physiological effect; that they are the same chemically; that they have the same structural formula; that vitamin B_1 is not a food; that, although vitamins are termed accessory food factors, the recognized vitamins "yield no caloric energy, to permit sustenance of life"; that an individual suffering from want of proper vitamins should secure a competent diagnosis (which would, of course, be by a physician) in order to ascertain what vitamins should be administered; that the vitamins administered might be either natural or synthetic; and that night blindness, pellegra, and beriberi are symptomatic manifestations of certain vitamin deficiencies.

Appellant's witness Eric John Simons stated that he was employed by the National Oil Products Company as head of the biochemical department; that his duties were limited to research in fat soluble vitamins, particularly vitamin D. The witness was then asked without objection by counsel for either of the appellees whether he had listened to the testimony of appellant's witness Dr. Arnold and, if so, whether he agreed with the testimony. He replied that he had listened to Dr. Arnold's testimony, and that he was in agreement with it in all respects. On cross-examination he was asked whether his degrees were in medicine or chemistry, and he said that they were in chemistry.

Appellant's witness Harry Herschel Weinstock, Jr., testified that he received the degree of Bachelor of Chemistry from Cornell University in 1933; that he received his master's degree in 1934 from the University of Oregon; that he received his degree of Doctor of Philosophy from the latter university in 1937, although he completed his work therefor in 1936; that from 1936 to 1939 he was employed by the Oregon State College and was doing research on the chemistry of pantothenic acid; that from 1939 to the time of the taking of his testimony he had been employed by the National Oil Products Company; that pantothenic acid is a vitamin; and that at Oregon State College he worked with Dr. Robert R. Williams, who, together with the witness and other co-workers, "published the synthesis and structural formula of pantothenic acid." He was also permitted to testify without objection that he had been present during the taking of Dr. Arnold's testimony, and that he was in agreement with that testimony. The witness stated that he had in his possession certain literature dealing with the physiological activity of synthetic vitamin B_1 and vitamin B_1 obtained from natural sources. The literature to which the witness referred, introduced in evidence as appellant's Exhibit No. 61, was a paper entitled "Studies of Crystalline Vitamin B_1 XVII Synthesis of Vitamin B_1," prepared by Joseph K. Cline, Robert R. Williams, and Jacob Finkelstein and published in the Journal of the American Chemical Society, Vol. 59, page 1052, 1937. The witness quoted therefrom as follows:

"Furthermore, numerous physiological tests including both curative and prophylactic experiments have likewise indicated as yet no significant deviations among the two forms of synthetic and the natural chloride."

The witness further testified that the accepted chemical terms for vitamin B_1 are aneurin and thiamin, and that thiamin is the most accepted term; that vitamin B_1 is also called thiamin chloride; and that the chloride referred to in the quoted excerpt from appellant's Exhibit No. 61 was thiamin chloride. On cross-examination, the witness testified that he was not a doctor of medicine, and that he had never made any actual tests of appellant's product and, therefore, could not state whether it contained vitamins.

It is clearly established by the evidence that appellant's products are rich in vitamin B_1 and other vitamins.

Dr. Roland A. Bosee, testifying for Endo Products, Inc., stated that he was in the employ of that company as director of laboratories; that his company purchased some of appellant's products; that they were used "experimentally to produce a vitamin complex preparation" to be administered "intravenously or intramuscularly or subcutaneously"; that the product was satisfactory after specific alterations by his concern. The alterations, the witness stated, were as follows: Appellant's product was taken up in a quantity of distilled water to which was added a sufficient quantity of synthetic vitamin factors to bring it up to a concentration which his company desired, the solution was permitted to stand in the "cold" for a predetermined period of time, it was then subjected to a centrifuging process to remove any substances that might have been precipitated while it was standing in the "cold" and was finally made up into the required volume with triple distilled water, filtered, and poured into ampoules or vials, it was then subjected to a sterilizing process and tested for sterility. The product thus made was labeled and packaged and sold under the trade-mark "Manibee" directly to physicians, medical institutions, and pharmacies. The witness stated that he did not consider himself an expert in the vitamin field, but that he considered

the product of Endo Products, Inc., involved in its application, a medicinal preparation. He also testified that there was no distinction in chemical structure between the natural vitamin B_1 and that produced synthetically.

It may be said at this point that the product of Endo Products, Inc., on which it uses the trademark "Vitabee," is a synthetic preparation, and was not produced from appellant's product.

Albert Viault, who acted a portion of the time as attorney for both of the appellees, testified at length on their behalf. He stated that as a layman it was his opinion that "*all vitamins are foods*" as distinguished from drugs, although, as we understand his testimony, he was of opinion that an ethical vitamin product which is sold only to physicians, medical institutions, and pharmacies to be administered hypodermically by physicians is a medicine. [Italics ours.] However, it is clear from the record that there is not much, if any, difference in the nutritional value of appellant's liquid product, so far as vitamin B_1 is concerned, and that of Endo Products, Inc.

The witness Dr. R. A. Goodall, testifying for The Knox Company, stated that he was a doctor of medicine and a doctor of chemistry; that he was medical director for The Knox Company; that his duties were to conduct assays on drugs purchased by his company to determine their potency and purity according to the United States Pharmacopoeia, and also to conduct assays on merchandise manufactured for his company, before it was released to drug stores for retail sales; and that outside of his routine work he also conducted researches in vitamins, or, as he put it, "vitamin containing substances." He further stated that the function of the vitamin B complex is the same as the function of any other vitamin, that is, to prevent symptoms of nutritional deficiency; that vitamins are used to cure nutritional diseases; that he knew of no other use for vitamins alone or in combination; that the natural sources of vitamin B complex are bran, rice polishings, and cereals in general; that vitamin B complex is also produced synthetically; that he would not classify an adsorbate of the vitamin B complex in fuller's earth as a drug per se; and that, although some people might disagree with him, he considered both the synthetic vitamin and the extract of the natural vitamin as accessory food factors, and that his views were reflected by those who "are engaged as deeply in research of medicine as I am." When asked whether it had ever come to his attention professionally or otherwise that the vitamin B complex was scientifically and accurately described as a drug per se, he said:

> "No, no. Vitamins, in my opinion, natural, concentrated or synthetic, could never be tabulated as drugs, for this reason: *In no form do they apply stimulation or sedation to any part of the human anatomy, which of course is the office of drugs.* Drugs, pure drugs, or impure drugs for that matter, supply stimulation or sedation to a part." [Italics ours.]

There is considerable other evidence, tending to establish that vitamins, whether administered hypodermically or orally, are medicinal in character. There is also other evidence to the effect that they are foods or accessory food factors. However, we deem it unnecessary to detail all of that evidence here.

According to the evidence submitted by The Knox Company, its product, which it sells under the trademark "Vi-Tabs," is medicinal in character and does not contain any of the vitamins.

It is clear from the evidence that vitamins are used for the prevention of bodily disorders and to cure certain ailments, such as night blindness, pellagra, and beriberi, and that vitamin B_1 "is generally referred to as the antineuritic vitamin."

Medicine is defined in Webster's New International Dictionary as

> "The science and art dealing with the prevention, cure, or alleviation of disease; in a narrower sense, that part of the science and art of restoring and preserving health which is the province of the physician as distinguished from the surgeon and obstetrician."

Medicinal is defined by the same authority as a "Curative or alleviative; used for the cure or alleviation of bodily disorders."

Medicinal preparations may be put in various forms, such as liquids, tablets, capsules, or powders, and a medicinal preparation is none the less a medicinal preparation because it is sold over the counter to the public generally rather than to druggists, physicians, and medical institutions to be administered hypodermically by physicians.

By these observations, we do not attempt to technically define the terms "medicinal" and "medicine." We are here concerned only with the question: Would the purchasing public, in view of appellant's use of the trade-marks "Vetab" and "Vitab" and the use by The Knox Company of the mark "Vi-Tabs" and the use by Endo Products Inc. of the mark "Vitabee" on the respective goods of the parties, be likely to be confused or deceived into believing that the goods of the parties emanate from the same source?

[4][5] We are of opinion that the use by the respective parties of their trade-marks would be likely to cause confusion in the trade and deceive purchasers, and that the goods of the parties possess the same descriptive properties.

In so holding, we have considered all of the arguments presented here by counsel for appellant as well as those presented by counsel for Endo Products Inc. No brief was filed in this court on behalf of The Knox Company, one of the appellees.

We do not here determine the question of priority of use. The Commissioner did not pass upon that question, and, owing to the views he held, it was unnecessary for him to do so.

[6] However, in view of our holding that there is an interference in fact between the applications of the parties here involved and as this is an interference proceeding, we think the Commissioner should pass upon the question of priority of use and such other questions as might properly be before him.

Counsel for appellant contend in their brief that the Commissioner erred in not considering the statements contained in the notice of opposition of each of the appellees that the goods of the parties to the interference possess the same descriptive properties, and that the marks are confusingly similar. However, that issue was not raised in appellant's reasons of appeal, and, therefore, we do not consider it.

For the reasons stated, the decision of the Commissioner is reversed and the cause remanded for proceedings consistent with the views herein expressed.

Reversed and remanded.

GARRETT, *P. J.*, did not participate in the consideration or decision of this case.

LENROOT, *J.*, sat during the arguments of this case, but resigned before the opinion was prepared.

U. S. Court of Customs and Patent Appeals

IN RE SHEA

No. 4,898. Decided June 19, 1944

[143 F.(2d) 969]

1. APPEAL—NEW CLAIM.
   Where appellant suggested to the Board of Appeals the substitution of a new claim which was slightly different from those on appeal *Held* that the Board was clearly within its rights in refusing to consider that claim because it had not been before the Primary Examiner.

2. PATENTABILITY—STEEL PEN.
   A claim to a steel pen *Held* unpatentable over a patent granted to appellant.

APPEAL from the Patent Office. Affirmed.

Mr. C. P. Goepel (*Mr. Raymond J. Mawhinney* of counsel) for Shea.

Mr. W. W. Cochran (*Mr. R. F. Whitehead* of counsel) for the Commissioner of Patents.

HATFIELD, *J.:*

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting claims 4, 5, 6, and 11 in appellant's application for a patent for an alleged invention relating to pen nibs.

At the time of the oral arguments in this court, counsel for appellant moved to dismiss the appeal as to claims 4, 5, and 6. The motion will be granted. This leaves for our consideration claim 11. It reads:

> 11. In a steel pen having a writing tip of wings extending substantially at right angles from the longitudinal axis of the pen in substantial parallelism from the face of the pen, with the tip rounded at the back of the pen, the contours of the free ends of the wings being in contact and smooth and round, both of said wings forming a body symmetrically oval in shape with the blunter curvature of the oval at the free end of the pen with masses of consolidated metal at the free ends of the wings and at the rounded back, the writing surfaces having the hardness of cold forged steel.

The references are: Kepner, 818,258, April 17, 1906; Henwood, 2,001,726, May 21, 1935; Bartol, 2,121,542, June 21, 1938; Shea, 2,195,430, April 2, 1940.

It will be observed that claim 11 calls for a writing tip of a steel pen having wings extending substantially at right angles from the longitudinal axis of the pen and in substantial parallelism from the face of the pen. The particular features in the claim which are relied upon for patentability over the references are set forth in the following quotation:

> the contours of the free ends of the wings being in contact and *smooth and round*, both of said wings forming a body *symmetrically oval in shape with the blunter curvature of the oval at the free end of the pen* with masses of consolidated metal at the free ends of the wings and at the rounded back, *the writing surfaces having the hardness of cold forged steel.* [Italics ours.]

In his statement to the Board, the Primary Examiner, among other things, said:

> These references [the references of record] clearly illustrate nibs with wing tips in substantial parallelism as stated in the claims.
> Bartol and Shea (2,195,430) are described as having parallel nibs and the Shea nib wings are oval * * * and shaped precisely as in this application.
> No patentable weight can be given to having the nib wings of a hardness corresponding to that of cold forged steel. Such is a matter of choice whether heat treated metal or any other type which might produce the equivalent hardness. Cold forging is the primary means of shaping metal when it can be done to advantage.
> The smoothing and rounding features are mere mechanical expedients for all metal goods.
> * * * * * * * *
> The broad features of a U-shaped pen tip with parallel wings is covered in applicant's patent (2,195,430) and the method of making the article in this application is confined to Serial No. 321,218, filed Feb. 28, 1940 of which this case is a division. At any rate, no novelty is seen in the article as claimed in this application for the reasons above.

In affirming the decision of the Examiner, the Board of Appeals, among other things, said:

> We note that Shea states in his specification that his pen has a tip portion closely resembling the iridium point of gold pens and has substantially all the advantages thereof yet being made of stainless steel by an inexpensive method of manufacture.
> Appellant's main argument in the present application is the same. *The shape of the ball at the end of the pen is slightly different from that shown by the patentee but we are not convinced that this difference warrants the allowance of a second patent in view of the prior art for reasons given by the Examiner.* [Italics not quoted.]

[1] The Board also stated that appellant had suggested the substitution of a new claim which, the Board said, was slightly different from those on appeal. The Board refused to consider that claim, because it had not been before the Primary Examiner. (It may be stated at this point that although it is claimed in the reasons of appeal that the Board erred in refusing to consider the new claim, that issue is not argued in appellant's brief.)

The Board was clearly within its rights in refusing to consider a claim which had not been before the Primary Examiner.

In a request for reconsideration of the Board's decision, it was stated that claim 11 had apparently been ignored by both the Primary Examiner and the Board of Appeals; that that claim called for the pen point to be "symmetrically oval," that is, both "longitudinally and transversely"; that the prior art does not disclose such a symmetrically oval pen point; that an oval-shape pen point is important in that both upper and lower surfaces have the same contour "so that when either side [of the pen point] is used for writing, it is exactly alike and thus interchangeable in use"; that appellant's improved pen has masses of metal at the free ends of the wings and at the rounded back; that this concentration of metal is a result of the

combined pressure and sliding action of the dies, as disclosed in appellant's application; that the consolidated metal hardens the pen point at the writing surfaces; and that the hardness of the writing surfaces of the pen is brought about by a cold-forged molding process, as stated in appellant's application.

The Board denied appellant's request for reconsideration, stating that claim 11 did not define a structure which was patentably distinguishable over the structure disclosed in the Shea patent.

The patent to Shea (appellant) discloses a pen point or nib which, as stated, in substance, by the Board of Appeals, is not exactly oval in contour. The patentee's pen point is bent in such manner, as stated in the patent, as "to provide a lower heel or back so as to enable the pen point to be used both front or back for two way writing." The patentee states that

> "The invention consists in a new pen point which is formed by first bending up the lips in V shape, and thereafter completing the bending operation *to the finally desired configuration* in a manner that no area of metal is between the lips when bent to final shape." [Italics ours.]

The V-shape bent portions of the patentee's structure are subjected to a flattening pressure so as to bring them closely in contact and parallel with each other. It is stated in the patent that by bending the metal of the wings from their V-shape position closely together "a flow of the metal during this bending action causes the wings to move downwardly" forming the so-called "heel" at the lower portion of the pen point. The patentee emphasizes that his pen point has the hardness of steel; that the point is rounded; that the tip portion closely resembles the iridium point of gold pens; and that it has substantially all the advantages of the iridium tip.

It is contended by counsel for appellant that none of the references, including the patent to Shea, discloses an oval-shape pen point; that, although the pen point disclosed in the Shea patent may seem smooth, it does not have the smoothness of a point that has been smoothed by pressure; that, being symmetrically oval, appellant's pen point has masses of consolidated metal at the free ends of the wings and at the rounded back which is the result of cold-forged molding, a process which also hardens and smooths the pen point; that the cold-forging process more nearly equalizes the pressure throughout the area of the wings and thus overcomes the undue stress and strain which results from the process disclosed in the Shea patent in which the wings of the nib are bent at least twice, thus weakening the pen point; and that by the cold-forged molding appellant has been successful in forming a hard and brittle molybdenum stainless steel pen point and one that is equally as durable as the iridium tip gold pen point.

It is true that the pen point claimed in appellant's present application is not exactly the same as that shown in the Shea patent, and it may be a better pen point. Nevertheless, it is stated in the Shea patent, as hereinbefore noted, that the V-shape pen point could be completed by the bending operation "to the finally desired configuration." Hence, it is indicated in the patent that any desirable configuration, oval or otherwise, could be made by the process therein disclosed. Accordingly, we are of opinion that the oval configuration of the pen point does not involve invention.

Counsel for appellant also argues that the prior art does not disclose that both wings or tabs have masses of consolidated metal at their free ends and at the rounded back.

That feature is described in appellant's patent, as hereinbefore noted.

[2] We have given careful consideration to all of the arguments presented here by counsel for appellant, but are unable to hold that the Board of Appeals was in error in rejecting claim 11 on the patent to Shea.

It may be said in conclusion that most of the arguments presented here by counsel for appellant in support of the patentability of claim 11 relate to the process of making appellant's pen point.

The process of making appellant's pen point is not an issue before us but, according to the Primary Examiner, is claimed in a division of appellant's present application.

The appeal is dismissed as to claims 4, 5, and 6, and the decision of the Board of Appeals rejecting claim 11 is affirmed.

Affirmed.

GARRETT, *P. J.*, did not participate in the consideration or decision of this case.

LENROOT, *J.*, sat during the arguments of this case, but resigned before the opinion was prepared.

U. S. Court of Customs and Patent Appeals

IN RE FREEDLANDER

No. 4,910. Decided June 26, 1944

[143 F.(2d) 982; 62 U. S. P. Q. 309]

1. REISSUE APPLICATION—LACHES—BROADENED CLAIM.
   On the issue whether a claim presented by appellant in his reissue application filed more than four years after the granting of his patent, without excuse for the delay, was broader than the patent claims, *Held* that "the only question important to be determined * * * is whether the claim is in any respect broader than the original patent claims" and that "the fact that it may be narrower in some respects is of no consequence."
2. PATENTABILITY—COG BELT.
   Claims 13, 15, and 17 of appellant's reissue application relating to a cog belt *Held* properly rejected on the ground that they are broader than the claims of appellant's patent and appellant had not shown any reason for the delay of over four years in filing the reissue application; and claims 13 and 15 additionally *Held* properly rejected as anticipated by the prior art.

APPEAL from the Patent Office. Affirmed.

Messrs. Toulmin & Toulmin (*Mr. John M. Mason, Mr. H. A. Toulmin, Jr., Mr. Rowan A. Greer* and *Mr. Duward C. Staley* of counsel) for Freedlander.

Mr. W. W. Cochran for the Commissioner of Patents.

GARRETT, *P. J.*:

December 1, 1936, a patent (No. 2,062,568), entitled "Cog Belt," was issued to appellant, assignor to The Dayton Rubber Manufacturing Company, Dayton, Ohio. It contained seven claims. More than four years thereafter, specifically on February 17, 1941, an application was filed for reissue. The application for reissue, in addition to the seven claims of the patent, presented ten additional claims numbered 8 to 17, inclusive.

All the additional claims were rejected by the Examiner, and the seven claims of the patent were also rejected, so far as the reissue application is concerned.

Appeal was taken to the Board of Appeals from whose decision it appears that claims 8 to 12, inclusive, were withdrawn, and the Board dismissed the appeal as to them.

The Board affirmed the Examiner's rejection of claims 13 to 17, inclusive, for reasons hereinafter particularized (and also affirmed as to claims 1 to 7, inclusive, the claims of the patent), and the instant appeal to this court was taken.

Before us claims 14 and 16 were withdrawn and the appeal as to them will be dismissed.

Since claims 1 to 7, inclusive, are the patent claims they require no consideration by us upon their merits, and we have to consider only the issues respecting claims 13, 15, and 17.

It appears from the statement of the Examiner following the appeal to the Board that he applied different grounds of rejection. He rejected claims 13 and 15 as being fully met by a patent, No. 1,789,726, issued January 20, 1931, to one Ralph H. Chilton, and rejected claim 17 as not readable on applicant's disclosure. He also rejected all three of the claims, along with others not here involved, upon an additional ground stated as follows:

> Claims 13–17 are further rejected on the ground that applicant has lost his right to such claims through unreasonable delay in presenting them. These claims are *admittedly broader* than the patent claims and a period of four years elapsed since the issuance of applicant's patent and the filing of this reissue application. *Miller Co. v. Bridgeport Brass Co.*, 1882 C. D. 49 [104 U. S. 350]; *In re Seabury*, 1940 C. D. 115 [27 C. C. P. A. (Patents) 777, 108 F.(2d) 232]. [Italics ours.]

The Board affirmed the rejection of claims 13 and 15 on the patent to Chilton but reversed the holding of the Examiner that claim 17 is not readable on applicant's disclosure. It, however, affirmed the rejection of all the appealed claims because of the delay in filing the reissue application.

In discussing the latter ground the Board said:

> Appellant presents considerable argument about the law in the case and discusses the question of whether the claims on appeal added to those in the patent by reissue are actually broader or more specific than *the claims presented during the prosecution of the patent.* In our opinion, this is beside the point. The question of law as presented here is whether appellant, after four years, is to be allowed claims broader than the *patent claims* in view of decisions holding that the period for presenting such claims is not to be extended beyond two years under normal circumstances and we have not been shown any unusual circumstances in the present case. (*Rancourt v. Panco Rubber Co.*, 67 Fed. (2) 790; *Byck & Peakes*, 25 Pat. Q. 28 [211]; *Thele*, 36 P. Q. 112; *Nat. Nut Co. of Calif. v. Sontag Chain Stores Co.*, 170 [107] F.(2d) 318.) We believe that appellant delayed too long in filing a reissue application. [Italics supplied.]

We first consider the rejection based on the ground of delay in filing the application for reissue, and it may be said at the outset that it presents a somewhat difficult problem for the following reasons:

It will be observed from the excerpt from the Examiner's decision above quoted that he states that those claims are "admittedly broader" than the patent claims. The Examiner made no comparison of any of the new claims with the patent claims to show wherein they were broader. The only reasonable deduction to be drawn from this state of facts is that appellant admitted before the Examiner that they were broader, and this deduction is strengthened by the fact that in appellant's "grounds for appeal" to the Board (which are printed as a part of the record before us) appellant did not allege any error as to that finding.

In sustaining the Examiner's rejection on that ground, the Board made no comparisons. The failure to do so doubtless was due to appellant's failure to raise the question in its grounds for appeal. From the decision of the Board on that point (and we have quoted all that the Board said on the subject), it would seem that appellant did argue before the Board that the new claims are more specific and, in fact, narrower than some claims which were presented during the prosecution of the application which eventuated in the patent, but which (we deduce from appellant's brief before us) were cancelled and do not appear in the patent. This evidently is what the Board referred to in the sentence reading: "In our opinion, this is beside the point." The Board obviously accepted the unchallenged finding of the Examiner that the new claims are "admittedly broader" than the claims appearing in the patent, and proceeded on that basis.

In its reasons of appeal before us, however, appellant has alleged specifically that the Board erred in not reversing the Examiner's decision that reissue claims 13, 15, and 17 "are concede'ly [concededly] broader than the claims of the Freedlander Patent 2,062,568." (It will be observed that "concede'ly" is used instead of "admittedly," the term used by the Examiner.) Appellant thus presents to the court a question which it did not present to the Board in any ground of appeal, and seeks to have the court consider, practically de novo, the question of whether reissue claims 13, 15, and 17 are in fact broader than the claims of the patent.

Such is the tangled situation before us with respect to the breadth of the reissue claims.

It seems impossible to escape the conclusion that appellant shifted ground between the decisions in the Patent Office and the appeal to this court, and we may say here that if we felt constrained to reverse the decision of the Board we should not feel it proper to make such reversal final, but would feel it necessary to remand the case in order that the tribunals of the Patent Office might pass upon any technical questions involved not presented to them, so far as the record shows, during their consideration of the case.

We do not think, however, that there is any ground for reversal.

In its original brief before us counsel for appellant do not present any comparison of reissue claims 13 and 15 with the patent claims, but do compare reissue claim 17 (alleged to be the broadest of the three) with patent claim 4. In a reply brief reissue claim 13 (which is agreed to be the same as reissue claim 15, so far as breadth is concerned) is compared with "prior art" generally (seemingly principally with the patent to Chilton). It is insisted that reissue claims 13 and 15 are more specific and, therefore, narrower than reissue claim 17, and that if the latter be not broader than the patent claims it logically follows that the two former are not broader.

[1] It will be borne in mind that, under the decision of the Board, claim 17 was held to be broader than the patent claims and that it stands rejected on the sole ground of delay in filing the application for reissue, no reasons for such delay having been given by appellant.

Appellant in his original brief before us compared claim 4 of the patent with reissue claim 17 element by element, his breakdown of the two (the italics his) being as follows:

Freedlander Patent 2,062,568 Claim 4	*Freedlander Reissue Ser. No. 379,389* Claim 17
1. as an article of manufacture,	1. as an article of manufacture,
2. a belt	2. a belt of general trapezoidal section having
	3. a substantially inextensible core along the neutral axis thereof with
	4. a tension section on one side thereof and
	5. a compression section on the opposite side thereof,
6. having a plurality of straight-sided teeth *on one side thereof,*	6. *one of said sections* being composed of teeth
7. said teeth having interposed therebetween sections of softer material	7. having interposed therebetween sections of softer material
8. of such shape as to have *concave side surfaces* when the belt is *flat* and *flat side surfaces* coextensive with the side surfaces of the teeth when the belt is *bent.*	8. of such shape as to alternately present *concave* and *straight side* surfaces *when flexed between* the *straight run* of the belt and a *radius,*
	9. the other of said sections being composed of a rubberized fabric material.

An extensive argument then follows in the effort to convince the court that claim 17 is in certain respects narrower than claim 4 and in no respect broader. As of course, the only question important to be determined here is whether the claim is in any respect broader than the original patent claims. The fact that it may be narrower in some respects is of no consequence. We quote the following from the brief of the Solicitor for the Patent Office (omitting record page references):

> Appellant correctly states * * *, as to the question whether the claims of the reissue application are broader than the claims of the patent, that the test is "to determine whether any structure that infringes the claims of the reissue application would infringe the claims of the original patent," and that if this condition is not true "the claims of the reissue application are broader than the claims of the patent." To demonstrate his position, appellant * * * compares claim 4 of his patent with claim 17 of his application. In accordance with appellant's own statement of the proper test to be applied, claim 17 of his application is broader than claim 4 of his patent if any section of claim 17 is broader than any section of claim 4. It is submitted that section 8 of claim 17 is broader than section 8 of claim 4. Section 8 of claim 4 is a very clear statement that in the straight section of the belt the portion 5 has sides of concave form 8 * * * and that when the belt is flexed the portion 5, or sides 7 of the portion 5, are flat * * *. Section 8 of claim 17, on the other hand, is broader because it merely states that the sides of the member 5 alternately present concave and straight side surfaces without stating the concave formation occurs when the belt is straight and without stating the straight formation occurs when the belt is flexed.

We agree with the foregoing.

With respect to claims 13 and 15, we again quote from the brief of the Solicitor for the Patent Office:

> Appellant does not discuss the breadth of claims 13 and 15 as compared with the breadth of the claims of his patent except by stating that said claims 13 and 15 are more limited than claim 17. It may be true that these claims are more limited in some respects than claim 17 or any of the claims of his patent, but that is not the question. The question is whether these claims are broader than the claims of the patent in *any* respect. These claims 13 and 15 make no mention of the straight sides of portion 5 of the belt when the belt is straight or the concave sides of the portion 5 when the belt is flexed, yet every claim of the patent contains a recitation of this structure. Claims 13 and 15 are therefore manifestly broader than any claim of the patent. [Italics quoted.]

Appellant's discussion in his reply brief does not convince us that the foregoing statement of the Solicitor is erroneous.

[2] We, therefore, approve the rejection of claims 13, 15, and 17 on the ground that they are broader than the claims of the patent, and that appellant has not shown any reason for the long delay in filing the reissue application. See decision in the case of *In re Seabury et al.*, 27 C. C. P. A. (Patents) 777, 108 F.(2d) 232, 44 U. S. P. Q. 118, 515 O. G. 3.

While it is unnecessary to our decision to discuss in detail the rejection of claims 13 and 15 on the patent to Chilton, we will state that that ground of rejection has been studied by us and we are of opinion that the tribunals of the Patent Office were correct in their holdings in that regard.

The appeal as to claims 14 and 16 is dismissed, and the decision of the Board is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

YEATES *v.* BAER

No. 4,885. Decided May 22, 1944. Petition for rehearing denied June 26, 1944

[143 F.(2d) 607]

1. APPEAL—REASONS OF APPEAL.

Reasons of appeal reciting that the Board of Interference Examiners erred in not finding appellant to be the first to conceive, in not finding appellant to be the first to reduce to practice, and in stating that "The question of reduction to practice is of no particular importance" *Held* insufficient to invoke the court's jurisdiction with respect to a consideration of a prior Canadian application upon which appellant sought to rely for constructive reduction to practice.

2. INTERFERENCE—PRIORITY.

Evidence reviewed and *Held* that priority properly was awarded to appellee.

APPEAL from the Patent Office. Affirmed.

Messrs. Cushman, Darby & Cushman (*Mr. John J. Darby, Mr. H. J. S. Dennison* and *Mr. Gorham F. Freer* of counsel) for Yeates.

Mr. Frederick Griswold, Jr., for Baer.

JACKSON, *J.*:

Appellant appealed from a decision of the Board of Interference Examiners of the United States Patent Office awarding priority of invention of the subject matter of the two involved counts to appellee.

The interference as declared involved an application of appellant, Serial No. 299,575, filed October 14, 1939, for Tobacco Pouches, and an application of appellee, Serial No. 265,072, filed March 31, 1939, for Containers. The interference was redeclared in order to substitute a divisional application of appellee, Serial No. 388,481, filed April 14, 1941. The oath of appellant's application states that on January 11, 1939 he had filed an application for the same invention in Canada, Serial No. 459,348, and claimed priority of invention thereunder.

Appellant made no motion to shift the burden of proof and was held by the Board to be the junior party, having the burden of proving his case by a preponderance of the evidence.

Both parties took voluminous testimony and filed many exhibits.

Appellant died before the interference was declared. The preliminary statement filed on his behalf alleged conception of the invention on or about the middle of February 1938; first written description and drawings thereof on January 11, 1939 (the date of filing of the said Canadian application); and reduction of the invention to practice on or about July 13, 1938.

Appellee alleged in his preliminary statement the first drawing and written description of the invention defined by the counts and disclosure of it to others on or about July 26, 1938, and reduction to practice on or about August 2, 1938.

The counts, which were drawn by the Primary Examiner and suggested to the parties, read as follows:

> 1. A hermetically sealed envelope comprising a rectangular sheet of metal foil provided with a film of rubber hydrochloride secured to one face thereof, substantially one third of said sheet being laterally folded upon the adjacent portion in edge coinciding relation with said film on the inside, said opposite coinciding edge portions being permanently sealed together by means of pressure applied at a temperature sufficiently high to cause merger and permanent union of the films, and a zone adjacent the free edge of said folded portion but spaced therefrom being superficially sealed by means of pressure applied at a temperature below the temperature causing merger and permanent union of the films, said zone extending from one permanently sealed edge to the other and said films at said zone being readily manually separable in the plane of contact of the joined surfaces.
>
> 2. A method of forming a hermetically sealed envelope comprising, securing a film of rubber hydrochloride to one face of a rectangular sheet of metal foil, laterally folding substantially one third of said sheet upon the adjacent portion in edge coinciding relation with said film on the inside, applying sealing pressure throughout the opposite coinciding edge portions at a permanent sealing temperature, said temperature being sufficiently high to cause merger and permanent union of the films and applying sealing pressure to a zone of said folded portion adjacent to the free edge thereof but spaced therefrom and extending from one permanently sealed edge to the other, the last named sealing pressure being applied at a temperature below the permanent sealing temperature whereby a superficial bond is formed which is readily manually separable in the plane of contact of the joined surfaces.

The interference relates to a pouch particularly adapted for carrying tobacco, which pouch comprises a laminated sheet of metal foil and rubber hydrochloride, known in commerce as "Pliofilm." The Pliofilm is folded upon itself, forming the interior of the pouch, with the side edges permanently sealed and the mouth temporarily sealed.

Both parties moved to dissolve the interference; both motions were denied.

No formal notice was given of appellant's reliance for priority upon the date of his Canadian application, but a certified copy thereof, which is a duplicate of appellant's United States application, was filed in the Patent Office after the time for taking testimony had expired but prior to the final hearing. Appellee moved to strike and suppress appellant's offer of the Canadian application and requested that the motion be considered at final hearing. Consideration of the motion was, upon order, deferred until that time. The Board of Interference Examiners in its decision made no reference to the said motion and awarded priority of invention to appellee on the ground of prior conception, August 1, 1938, and derivation by appellant from appellee.

The decision of the Board analyzed the evidence of both parties in considerable detail, but it is not necessary for us to do so.

The reasons of appeal are 29 in number but appellant relies on Nos. 3, 5 and 6 as alleging error in the Board's holding that appellee's Exhibit 60 constitutes evidence of conception of the invention; Nos. 7 to 11, inclusive, as alleging error in the Board's conclusion concerning derivation of the invention; and Nos. 14, 15 and 29 as alleging error in not finding prior conception of the invention and reduction to practice thereof by appellant on the basis of his Canadian application.

Appellant in his brief states that the following portion of the Board's decision contains the errors relied upon:

> The testimony clearly shows that Baer is entitled to the date of August 1, 1938, for conception; as this is prior to any date established by Yeates and as Baer asserts that he disclosed the invention to Yeates on August 2, 1938, in the presence of Chapman and Dr. Palmer, which assertion was not denied in the rebuttal testimony of Mr. Chapman and Dr. Palmer; and as the conduct of Yeates, especially in asking Baer to assign his application to North American Containers, tends to strengthen Baer's assertion that he disclosed the invention to Yeates, it is held that Yeates derived the invention in issue from Baer. Consequently, Baer is entitled to the award of priority.

The Board held that by May 12, 1938, both parties were aware that Pliofilm could be sealed with permanent and temporary seals. This holding is disputed in the brief of appellant, but there is no reason of appeal assigning error to such holding and therefore we must accept it as correct.

Appellee's Exhibit 60 is a sheet of paper upon which is a sketch made by appellee of a tobacco pouch and a written description thereof by him dated July 26, 1938, and witnessed August 1, 1938. The sketch is of a device substantially similar to a pouch made under a United States patent to appellant. That pouch, however, comprised a tacky rubber coating on a base, the rubber surface being turned upon itself and constituting the lining of the pouch, sealed along the edges and the mouth, the mouth adapted to be resealed by running the thumb-nail or other means close to its edge. Apparently the only difference between the involved pouch and that of appellant's patent is that instead of using tacky rubber as a lining for the pouch, which was undesirable from an American sales standpoint, the laminated Pliofilm and foil is the material from which it is made.

In the description of Exhibit 60 appellee referred to the making of permanent and temporary seals

in a Pliofilm and foil pouch with specific heat and pressure. The Board, in view of its holding that on May 12, 1938, both parties knew that permanent and temporary seals of Pliofilm could be made, stated that when appellee described the making of the seals with specific heat and pressure he referred to those heats and pressures which were known at that time to produce the desired results. Hence the Board concluded that Exhibit 60 constitutes a complete description of the invention and since the disclosure of it on August 1, 1938, was corroborated by the testimony of the witness who had signed his name as such to the exhibit on that date, the Board awarded such date for conception of the invention in issue to appellee. Such holding, in our opinion, was proper.

Because appellee's alleged reduction to practice was not corroborated, constructive reduction to practice was awarded him as of the filing date of his original application, March 31, 1939.

The Board held, and properly so in our opinion, that appellant had not conceived the invention in issue until December 1938. It did not award any date for actual reduction to practice by appellant and stated that that question was of no particular importance since the main issue of the case was one of originality and thus the reduction to practice as a result of commercialization of the pouch would inure to the first conceiver.

[1] Appellant in his brief makes no contention that he actually reduced the invention to practice, but relies entirely for a constructive reduction to practice on the basis of the date of his Canadian application. He rests upon the following reasons of appeal for a consideration of his Canadian application:

14. The Board erred in not finding Yeates to be the first to conceive.

15. The Board erred in not finding Yeates to be the first to reduce to practice.

* * * * * * *

29. The Board erred in stating "The question of reduction to practice is of no particular importance."

Appellee contends that none of those alleged errors is sufficient to invoke our jurisdiction with respect to a consideration of the Canadian application. We agree with such contention. A reading of those reasons of appeal indicates that they do not comply with the requirement of the statute (Sec. 4913 R. S., U. S. C., title 35, sec. 61) that the reasons of appeal shall be specifically set forth in writing. Those alleged errors relate entirely to the question of conception and reduction of the invention to practice and by no interpretation can be held to point out that the Board erred in not considering the Canadian application.

The only answer made by appellant to such contention is that reasons of appeal 15 and 29 are sufficient under the doctrine announced in the case of *In re Wagenhorst*, 20 C. C. P. A. (Patents) 991, 64 F.(2d) 780, 17 U. S. P. Q. 330, 433 O. G. 223. The issue in that case with respect to the sufficiency of the reasons of appeal read as follows:

1. The Board of Appeals erred in affirming the reason of the Primary Examiner finally rejecting claims 1, 4, 6, 7, 8, and 10 of the above-entitled application.

That reason of appeal was held to be sufficient because it traversed the reason given by the Primary Examiner which was affirmed by the Board, and therefore it pointed out specifically a reason for appeal. This court has many times been called upon to pass upon the sufficiency of reasons of appeal, but in none of its decisions has it held that such broad, inclusive, and generally alleged errors such as those relied on here were sufficient. Among the many decisions of this court in this respect, see *In re Davis et al.*, 29 C. C. P. A. (Patents) 723, 123 F.(2d) 651, 51 U. S. P. Q. 458, 536 O. G. 227; *In re Rosenblatt*, 28 C. C. P. A. (Patents) 1036, 118 F.(2d) 590, 49 U. S. P. Q. 117, 530 O. G. 506; *In re Wheeler*, 23 C. C. P. A. (Patents) 1241, 83 F.(2d) 904, 30 U. S. P. Q. 20, 470 O. G. 945; *Mas* v. *Root*, 19 C. C. P. A. (Patents) 819, 54 F.(2d) 435, 12 U. S. P. Q. 13, 416 O. G. 804; *Southgate* v. *Greene*, 19 C. C. P. A. (Patents) 1129, 57 F.(2d) 374, 13 U. S. P. Q. 160, 420 O. G. 811. Therefore we cannot consider appellant's Canadian application.

Since we hold that appellant was not the first to conceive, had not actually reduced the involved invention to practice, and is not entitled on the record to have his Canadian application considered, it is not necessary to pass on the question of derivation.

[2] The decision appealed from is affirmed.

Affirmed.

LENROOT, *J.*, sat during the argument but resigned before the opinion was prepared.

Interference Notice

U. S. PATENT OFFICE, *Richmond, Va., Oct. 13, 1944.*

Rossman Brothers & Messner, Inc., its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Everfast Fabrics, Inc., 40 Worth St., New York, N. Y., for registration of a trade-mark and trade-mark registered April 26, 1932, No. 293,499, to Rossman Brothers & Messner, Inc., 271 Church Street, New York, N. Y., and the notice of such proceeding sent by registered mail to said Rossman Brothers & Messner, Inc., at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Rossman Brothers & Messner, Inc., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

HENRY VAN ARSDALE,
Assistant Commissioner.

Adjudicated Patents

(C. C. A. Calif.) Wallace patent, No. 2,269,188, for a clamp, *Held* invalid. *Monogram Mfg. Co.* v. *F & H Mfg. Co.*, 144 F.(2d) 412; 62 U. S. P. Q. 409.

(C. C. A. Calif.) Wallace patent, No. 2,271,879, for a clamp, *Held* invalid. *Monogram Mfg. Co.* v. *F & H Mfg. Co.*, 144 F.(2d) 412; 62 U. S. P. Q. 412.

Disclaimers

Re. 21,306.—*Edward Burke Wilford*, Merion, Pa. AIRCRAFT. Patent dated December 19, 1939. Disclaimer filed October 3, 1944, by the patentee.

Hereby enters this disclaimer to claims 12, 13, and 14 of said patent.

2,290,921.—*Stanley M. Udale*, Detroit, Mich. FUEL INJECTION SYSTEM. Patent dated July 28, 1942. Disclaimer filed October 19, 1944, by the inventor; the assignees, *George M. Holley* and *Earl Holley*, consenting.

Hereby disclaims claim 4 of the patent.

TRADE-MARKS

OFFICIAL GAZETTE, NOVEMBER 14, 1944

[VOL. 568. No. 2]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 458,327. CHROMIUM MINING & SMELTING CORPORATION, LIMITED, Sault Ste. Marie, Ontario, Canada. Filed Feb. 4, 1943.

SLAG-X

Applicant disclaims the term "Slag" apart from the mark.

FOR EXOTHERMIC METALLURGICAL SLAG FORMING MATERIALS.

Claims use since May 9, 1940.

Ser. No. 469,784. RED JACKET COAL SALES COMPANY, Columbus, Ohio. Filed Apr. 28, 1944.



The picture is fanciful.

FOR COAL.

Claims use since Oct. 1, 1942.

Ser. No. 470,665. THE LACKAWANNA LEATHER CO., Hackettstown, N. J. Filed May 26, 1944.



No claim is made to the word "Tan" apart from the mark.

FOR HIDES AND LEATHERS.

Claims use since Mar. 20, 1913.

Ser. No. 472,717. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed July 28, 1944.

Garden Master

The word "Garden" is disclaimed apart from the mark. The drawing is lined for shading only.

FOR GRAIN, FLOWER, VEGETABLE, AND GRASS SEEDS, BULBS, PLANTS, BUSHES, VINES, AND TREES.

Claims use since Jan. 15, 1942.

Ser. No. 472,936. CIBA COMPANY, INC., New York, N. Y. Filed Aug. 4, 1944.

MELANTINE

FOR SYNTHETIC ALDEHYDE TRIAZINE RESINS IN THE FORM OF POWDERS, WATER SOLUTION, AND SOLVENT SOLUTION FOR USE IN THE INDUSTRIAL ARTS.

Claims use since Aug. 31, 1940.

CLASS 2

RECEPTACLES

Ser. No. 469,529. ARISTOCRAT LEATHER PRODUCTS, INC., New York, N. Y. Filed Apr. 21, 1944.

Aristocrat

FOR COMPACT AND VANITY CASES, CASES FOR EYEGLASSES, CASES FOR HOLDING WATCHES AND CLOCKS, SOLD EMPTY AND MADE OF BASE AND/OR PLASTIC MATERIALS.
Claims use since April 1937.

Ser. No. 473,084. ATLAS PLYWOOD CORPORATION, Boston, Mass. Filed Aug. 9, 1944.

Speedpack

FOR SHIPPING CASES.
Claims use since Sept. 15, 1924.

Ser. No. 473,257. GEORGE SAMUEL MOORE, doing business as Sam Moore, Chicago, Ill. Filed Aug. 14, 1944.

VERDA-BASK

FOR WASTE PAPER BASKETS.
Claims use since Aug. 10, 1944.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 472,239. FIRMAN LEATHER GOODS CO., New York, N. Y. Filed July 14, 1944.

MAXIMILLIAN
"Keepsakes in Leather"

No claim is made to the word "Leather" apart from the mark.
FOR FITTED AND UNFITTED, LEATHER DRESSING CASES, BILL FOLDS, CHANGE PURSES, HANDBAGS, KEY CASES, BRIEF CASES, AND SUITCASES.
Claims use since June 3, 1944.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 462,769. SAMUEL A. HALABY, doing business as Samuel Halaby Company, Rochester, N. Y. Filed Aug. 16, 1943.

Do-Mor

FOR SOAP.
Claims use since Nov. 20, 1942.

Ser. No. 463,219. MARK S. TUTELMAN, doing business as Chemitex Products, Philadelphia, Pa. Filed Sept. 3, 1943.

CLAROLENS

FOR CHEMICALLY TREATED CLOTHS FOR CLEANING AND POLISHING SPECTACLE LENSES.
Claims use since Apr. 21, 1943.

Ser. No. 471,475. GENERAL DYESTUFF CORPORATION, New York, N. Y. Filed June 21, 1944.

FELTOSCOUR

FOR DETERGENT PREPARATIONS FOR TEXTILE FABRICS INCLUDING PAPER MILL FELTS.
Claims use since Oct. 18, 1943.

Ser. No. 473,777. THE GLOBE CHEMICAL COMPANY, St. Bernard, Ohio. Filed Aug. 31, 1944.

GLOBRITE

FOR POWDERED CLEANING COMPOUND.
Claims use since June 16, 1944.

CLASS 5

ADHESIVES

Ser. No. 472,462. NATIONAL TOILET COMPANY, doing business as Merrit Products Company, Paris, Tenn. Filed July 21, 1944.

MERITONE

FOR ADHESIVE HOUSEHOLD CEMENT.
Claims use since June 29, 1944.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 438,045. LENTHERIC, INCORPORATED, New York, N. Y. Filed Nov. 19, 1940.

COLOR GUARD

FOR VANITY CASES CONTAINING ROUGE AND LIPSTICK.
Claims use since Nov. 6, 1940.

Ser. No. 458,469. JOHN WYETH & BROTHER, INCORPORATED, Philadelphia, Pa., now by changes of name Wyeth Incorporated. Filed Feb. 10, 1943. Under 10-year proviso as to "Wyeth's."

PROKIT
WYETH'S

FOR VENEREAL PROPHYLAXIS UNITS.
Claims use since Dec. 14, 1942; and since 1861 for "Wyeth's."

Ser. No. 462,148. SCHERK CORP., New York, N. Y., assignor to Ludwig Scherk, Inc., New York, N. Y., a corporation of New York. Filed July 17, 1943.

Arabian Nights

Applicant disclaims the word "Arabian" apart from the mark.
FOR PERFUMES AND COSMETICS—NAMELY, FACE POWDER, TALCUM POWDER, FACE CREAMS, ROUGES, FACE LOTIONS, HAIR TONIC, MOUTH WASH, TOOTH PASTE, ESSENTIAL OILS, PREPARATIONS FOR BLEACHING, STARCHES AND STARCH PREPARATIONS FOR LAUNDRY USE, BATH SALTS, DISINFECTANTS, DYES, AND CHEMICAL RUST PREVENTIVES.
Claims use since 1932.

Ser. No. 468,882. CHARLES H. FOSTER, New York, N. Y. Filed Mar. 31, 1944.

[To New Triumphs]

FOR PERFUME.
Claims use since Mar. 14, 1944.

Ser. No. 469,989. EXCITEMENT, INCORPORATED, Chicago, Ill. Filed May 6, 1944.

Enticing

FOR PERFUMES, COLOGNES, PERFUME STICKS, AND COLOGNE SACHETS.
Claims use since Apr. 1, 1944.

Ser. No. 470,066. CENTRAL SOYA COMPANY, INC., Fort Wayne, Ind. Filed May 9, 1944.

CENTROL

FOR SOY LECITHIN.
Claims use since Mar. 24, 1944.

Ser. No. 470,266. FRANK J. HOLT, doing business as Nutrition Products Company, Aurora, Ill. Filed May 15, 1944.

ANADEX
KAF-KAPS

Applicant disclaims not only the word "Kaps" but also the word "Kaf" apart from the word "Anadex."
FOR MEDICINE FOR CALVES IN THE NATURE OF CAPSULES USED FOR THE PREVENTION OR CURE OF SCOURS.
Claims use since Feb. 1, 1944.

Ser. No. 470,270. HOWARD B. KOWALSKI AND BERTHA KOWALSKI, Ossining, N. Y. Filed May 15, 1944.

WALSK SALVE

No claim is made to the word "Salve" apart from the mark.
FOR SALVE FOR RELIEF OF DISCOMFORT OF MINOR AND SUPERFICIAL SKIN IRRITATIONS.
Claims use since January 1900.

Ser. No. 470,864. PRODOL COMPANY, INC., New York, N. Y. Filed June 2, 1944.

PRO-DOL

FOR HEADACHE PREPARATION IN TABLET FORM.
Claims use since May 25, 1944.

Ser. No. 471,412. SAMUEL N. NORTH, doing business as Stabilite Co., Oceanside, Calif. Filed June 19, 1944.

"STABILITE"

FOR CHEMICAL COMPOUND FOR USE IN STORAGE BATTERIES OR THE LIKE TO ELIMINATE OR PREVENT SULPHATION OF THE BATTERY ELEMENTS.
Claims use since March 1943.

Ser. No. 472,550. CHICAGO PLASTIC PRODUCTS CO., INC., Chicago, Ill. Filed July 24, 1944.

G-I

FOR FOOT OINTMENT FOR GOLFERS' ITCH.
Claims use since July 10, 1944.

Ser. No. 472,731. CHARLES OF THE RITZ, INC., New York, N. Y. Filed July 29, 1944.

Water Sprite

FOR PERFUMES, TOILET WATERS, DUSTING POWDER, BATH OIL, BATH SALTS, BATH TABLETS, AND BODY SACHET.
Claims use since July 22, 1944.

Ser. No. 472,773. LOUIS FOSS, doing business as Foss & Company, Vineland, N. J. Filed July 31, 1944.

Star-Coat

The word "Coat" is not claimed apart from the mark.
FOR CHEMICAL PREPARATION FOR USE IN PRESERVING AND WATERPROOFING WOOD, AND FOR THE PREVENTION BY ATTACK OF WOOD BORING INSECTS.
Claims use since October 1943.

Ser. No. 472,777. HOFFMANN-LA ROCHE, INC., Nutley, N. J. Filed July 31, 1944.

PANTENOL

FOR VITAMIN PREPARATIONS.
Claims use since July 12, 1944.

Ser. No. 472,970. WALLACE LABORATORIES, INC., New Brunswick, N. J. Filed Aug. 4, 1944.

BACTRACILLIN

FOR PHARMACEUTICAL OINTMENT AND LIQUID FOR USE AS AN ANTISEPTIC.
Claims use since July 10, 1944.

Ser. No. 473,062. THOMAS IMPELL, Cold Spring, N. Y. Filed Aug. 8, 1944.

FOR SCALP CLEANSER AND HAIRDRESSING.
Claims use since Oct. 30, 1941.

Ser. No. 473,158. R. B. C. Co., Indianapolis, Ind. Filed Aug. 10, 1944.

RBC

FOR PHARMACEUTICAL PREPARATION FOR RELIEF OF COLD INFECTIONS AND MUSCULAR ACHES AND PAINS.
Claims use since June 1, 1944.

Ser. No. 473,165. WILLIAM R. WARNER & CO., INC., Wilmington, Del., and New York, N. Y. Filed Aug. 10, 1944.

ALKA-MEN-THYM

FOR DEODORANT AND MOUTH WASH.
Claims use since July 17, 1918.

Ser. No. 473,167. WILLIAM R. WARNER & CO., INC., Wilmington, Del., and New York, N. Y. Filed Aug. 10, 1944.

COSILLEX

FOR EXPECTORANT.
Claims use since November 1924.

Ser. No. 473,337. QUAKER CHEMICAL PRODUCTS CORPORATION, Conshohocken, Pa. Filed Aug. 16, 1944.

VELVETOL

FOR TEXTILE SOFTENER AND FINISH.
Claims use since July 18, 1928.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 471,383. ASH GROVE LIME & PORTLAND CEMENT COMPANY, Kansas City, Mo. Filed June 19, 1944.

BLUEBONNET BRAND

The word "Brand" is disclaimed apart from the mark.
FOR PORTLAND CEMENT.
Claims use since June 13, 1944.

Ser. No. 472,849. GLOBE ROOFING PRODUCTS CO., INC., Whiting, Ind. Filed Aug. 2, 1944.

THERMOTEX

FOR ASPHALT INSULATION OR BACKING BOARD.
Claims use since July 6, 1944.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 464,913. CHARLES C. BRADT, doing business as Hub Distributing Company, Kansas City, Mo. Filed Nov. 11, 1943.

Jiffy Fix

The term "Fix" is disclaimed apart from the mark.
FOR RESILIENT, SELF-ADJUSTING SPRING AND WEDGING CONE FOLLOWER EQUIPPED THREADED BOLTS.
Claims use since November 1942.

Ser. No. 471,624. PHILADELPHIA STEEL AND WIRE CORPORATION, Philadelphia, Pa. Filed June 24, 1944.

GIANT POWER SPRING WASHERS

No claim is made to the words "Power Spring Washers" apart from the mark.
FOR SPRING WASHERS.
Claims use since May 20, 1944.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 472,095. CERRO DE PASCO COPPER CORPORATION, New York, N. Y. Filed July 11, 1944.

CERROTRU

FOR METAL ALLOYS COMPOSED PRINCIPALLY OF BISMUTH AND TIN.
Claims use since Apr. 7, 1944.

Ser. No. 473,412. DOMINION MAGNESIUM LIMITED, Toronto, Ontario, Canada. Filed Aug. 18, 1944.

DOMAL

FOR MAGNESIUM METALS AND MAGNESIUM ALLOYS.
Claims use since Oct. 12, 1942.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 460,681. THE STANLEY CHEMICAL COMPANY, East Berlin, Conn. Filed May 17, 1943.

STANLEY

The drawing is not lined for color.
FOR DRY, PASTE, AND READY-MIXED INDUSTRIAL AND HOUSE PAINTS, VARNISHES, JAPANS; PAINT ENAMELS, READY-MIXED, DRY, AND PASTE; LACQUERS, LACQUER ENAMELS, CLEAR AND COLORED SYNTHETIC COATINGS.
Claims use since July 1926 on lacquers and lacquer enamels; since March 1930 on clear and colored synthetic coatings; and since Jan. 1, 1922, on the other goods.

Ser. No. 468,053. VILLA LABORATORIES LIMITED, Liverpool, England. Filed Mar. 7, 1944.

Villa

The drawing is lined for shading.
FOR PREPARATIONS FOR CLEANING AND POLISHING FLOORS AND FURNITURE.
Claims use since Dec. 18, 1938.

Ser. No. 470,036. MOUND CITY PAINT & COLOR CO., St. Louis, Mo. Filed May 8, 1944.

UNISAN

FOR FLAT WALL FINISH PAINT, PIGMENT WALL SEALER, SEMI-GLOSS PAINT, INTERIOR GLOSS PAINT, QUICK-DRYING ENAMEL, UNDERCOATER, FLOOR ENAMEL, PENETRATING OIL WOOD STAIN, HOUSE PAINT, PASTE PAINT, BARN, BRIDGE, AND ROOF PAINT AND DECK AND PORCH PAINT.
Claims use since Apr. 21, 1944.

Ser. No. 471,415. THE PERVO COMPANY, Los Angeles, Calif. Filed June 19, 1944.

GOOD NEIGHBOR

FOR PASTE, SEMI-PASTE AND READY-MIXED PAINTS, LIQUID PAINTS, AUTOMOBILE PAINTS, BLACKBOARD SLATING PAINTS, BRONZING LIQUIDS, COLORS IN OIL, JAPAN DRIERS, PAINT ENAMELS, PAINT OILS, TURPENTINE, PASTE WOOD FILLERS, GRAINING COMPOUNDS, GROUND COLORS FOR USE IN PAINTS, SEALERS (PIGMENTED AND CLEAR), STAINS, VARNISHES, AND WAX (PASTE AND LIQUID) FOR USE ON PAINTED SURFACES.
Claims use since May 29, 1944.

Ser. No. 472,941. CRESCENT BRONZE POWDER CO., Chicago, Ill. Filed Aug. 4, 1944.

CRES-LITE

FOR METALLIC PAINT PIGMENTS, BRONZE POWDER FOR USE IN PAINT, ALUMINUM POWDER FOR USE IN PAINT, VEHICLES FOR METALLIC PIGMENT PAINTS AND MIXED METALLIC PAINTS.
Claims use since 1925.

CLASS 19

VEHICLES

Ser. No. 470,033. LIBERTY COACH CO., INC., Bremen, Ind. Filed May 8, 1944.



FOR HOUSE TRAILERS.
Claims use since May 1, 1941.

Ser. No. 470,272. LIBERTY COACH CO., INC., Bremen, Ind. Filed May 15, 1944.

LIBERTY

FOR HOUSE TRAILERS.
Claims use since May 1, 1941.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 464,467. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill. Filed Oct. 28, 1943.

TEL-E-FOUL

The word "Foul" is disclaimed apart from the mark.
FOR ELECTRIC FOUL DETECTING AND INDICATING APPARATUS FOR BOWLING ALLEYS.
Claims use since July 1941.

Ser. No. 467,176. HENRY A. S. VAN DAALEN, New York, N. Y. Filed Feb. 4, 1944.

Dutch Admiral
Four ★★★★ Star

The word "Dutch" is disclaimed apart from the mark as shown.
FOR LIFE SAVING EQUIPMENT—NAMELY, ELECTRICAL SIGNAL LIGHTS AND FLASH LIGHTS.
Claims use since January 1942.

Ser. No. 472,836. THE BLACK & DECKER ELECTRIC COMPANY, Kent, Ohio. Filed Aug. 2, 1944.

Skilcraft

FOR FRACTIONAL HORSE POWER ELECTRICAL MOTORS.
Claims use since June 28, 1944.

Ser. No. 473,124. PHILCO CORPORATION, Philadelphia, Pa. Filed Aug. 9, 1944.

PLANE-O-SCOPE

FOR ELECTRICAL VACUUM TUBES.
Claims use since July 12, 1944.

Ser. No. 473,236. STARK SOUND ENGINEERING CORP., Fort Wayne, Ind. Filed Aug. 12, 1944.

SOUNDETTE

FOR SOUND AMPLIFYING AND REPRODUCING APPARATUS EMPLOYING ELECTRONIC TUBES FOR USE IN RADIO RECEIVING SETS, PUBLIC ADDRESS INSTRUMENTS, AND MUSICAL INSTRUMENTS.
Claims use since April 1937.

Ser. No. 473,399. ROXALIN FLEXIBLE FINISHES, INC., Elizabeth, N. J. Filed Aug. 17, 1944.

ROXALIN

FOR LIQUID AND SOLID COMPOUNDS IN THE NATURE OF COATINGS AND PENETRANTS. FOR ELECTRICALLY INSULATING, INCREASING DIELECTRIC STRENGTH AND PHYSICALLY AND CHEMICALLY PROTECTING WIRE, CABLE AND SUNDRY OTHER ARTICLES IN THE ELECTRICAL FIELDS.
Claims use since 1925.

Ser. No. 473,406. THE ASSOCIATED BROADCASTERS, INC., San Francisco, Calif. Filed Aug. 18, 1944.

PROGAR

FOR AUTOMATIC GAIN CONTROL ELECTRONIC APPARATUS FOR REGULATION OF MODULATED RADIO TRANSMITTERS IN RADIO TRANSMISSION.
Claims use since July 27, 1944.

Ser. No. 473,423. PIONEER GEN-E-MOTOR CORPORATION, Chicago, Ill. Filed Aug. 18, 1944.

BLUE DIAMOND

FOR GENERATORS, ELECTRIC MOTORS, DYNAMOTORS, INVERTED ROTARY CONVERTERS, MOTOR GENERATORS, GAS ENGINE DRIVEN ELECTRIC GENERATING PLANTS, WIND DRIVEN ELECTRIC GENERATING AND BATTERY CHARGING PLANTS, BATTERY CHARGING PLANTS AND ELECTRIC POWER PLANTS.
Claims use since July 1936.

Ser. No. 473,424. PIONEER GEN-E-MOTOR CORPORATION, Chicago, Ill. Filed Aug. 18, 1944.

GOLD CROWN

FOR GENERATORS, ELECTRIC MOTORS, DYNAMOTORS, INVERTED ROTARY CONVERTERS, MOTOR GENERATORS, GAS ENGINE DRIVEN ELECTRIC GENERATING PLANTS, WIND DRIVEN ELECTRIC GENERATING AND BATTERY CHARGING PLANTS, BATTERY CHARGING PLANTS AND ELECTRIC POWER PLANTS.
Claims use since December 1936.

Ser. No. 473,425. PIONEER GEN-E-MOTOR CORPORATION, Chicago, Ill. Filed Aug. 18, 1944.

PIONEER Products

The word "Products" is disclaimed apart from the mark.
FOR GENERATORS, ELECTRIC MOTORS, DYNAMOTORS, INVERTED ROTARY CONVERTERS, MOTOR GENERATORS, GAS ENGINE DRIVEN ELECTRIC GENERATING PLANTS, WIND DRIVEN ELECTRIC GENERATING AND BATTERY CHARGING PLANTS, BATTERY CHARGING PLANTS AND ELECTRIC POWER PLANTS.
Claims use since November 1940.

Ser. No. 474,016. BENDIX AVIATION CORPORATION, North Hollywood, Calif. Filed Sept. 9, 1944.

SENSICHRON

FOR RADIO RECEIVING SETS WHICH INCORPORATE A RADIO CIRCUIT THAT USES TIME AS A BASIS FOR ESTABLISHING SENSITIVITY.
Claims use since June 29, 1944.

Ser. No. 474,069. DAY-BRITE LIGHTING, INC., St. Louis, Mo. Filed Sept. 11, 1944.

TOPNOTCH

FOR FLUORESCENT LIGHTING FIXTURES AND PARTS THEREOF.
Claims use since Aug. 30, 1944.

Ser. No. 474,093. ELBERT H. PRATT, doing business as Accessories Mfg. Co., Kansas City, Mo. Filed Sept. 11, 1944.

INSTALATOR

FOR COMBINED INSULATOR WIRE CLAMP AND HOOK RECEIVING MEMBER.
Claims use since July 24, 1944.

Ser. No. 474,208. PLASTIC MANUFACTURERS, INCORPORATED, Stamford, Conn. Filed Sept. 14, 1944.

PM

FOR AIRCRAFT INSTRUMENT BOARD SWITCH LEVERS.
Claims use since June 28, 1943.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 462,547. TOY KRAFT INCORPORATED, Wooster, Ohio. Filed Aug. 5, 1943.

Eggspress

FOR TOY WAGONS.
Claims use since Mar. 1, 1942.

Ser. No. 471,556. HIT PARADE, INC., New York, N. Y. Filed June 23, 1944.

HITPARADE

FOR GAMES AND TOYS FOR CHILDREN MADE OF METALS, PLASTICS, WOOD AND CARDBOARD—NAMELY, PULL-TOYS, TOY ANIMALS, TOY WHISTLES, TOY HORNS, TOY RATTLES, TOY PISTOLS, TOY MACHINE GUNS, TOY BUILDING SETS, TOY RAILWAY SETS, TOY AIRPLANES, TOY SHIPS, TOY WHEELBARROWS, TOY AUTOMOBILES, AND SCOOTERS, BOARD AND CARD GAMES, AND TENNIS AND CRICKET BATS.
Claims use since June 1944.

Ser. No. 472,464. HERMAN W. OTTERSTEDT, doing business as the Little Shipyard, Sea Cliff, Long Island, N. Y. Filed July 21, 1944.



No claim is made to the representation of the goods apart from the mark.
FOR MINIATURE TOY YACHT MODELS.
Claims use since January 1943.

Ser. No. 472,475. STEWART CLAY CO., INC., New York, N. Y. Filed July 21, 1944.



The drawing is lined for red. The boy and girl are fanciful. No claim is made to the word "Clay" apart from the mark.
FOR TOY MODELING CLAY SETS.
Claims use since May 19, 1944.

Ser. No. 473,788. ANTERO V. RIVERO, Miami, Fla. Filed Aug. 31, 1944.

INJUN

FOR TOY TOM-TOMS AND TOY WAR DRUMS.
Claims use since Aug. 9, 1939.

Ser. No. 473,873. HENRY UPJOHN, Kalamazoo, Mich. Filed Sept. 2, 1944.

"SAVES ARGUMENT"

FOR CRIBBAGE BOARDS.
Claims use since Aug. 1, 1944.

Ser. No. 474,071. DIXIE COTTON PRODUCTS CO., Opelika, Ala. Filed Sept. 11, 1944.

Sista-Cast

FOR FISHING LINES.
Claims use since June 25, 1944.

Ser. No. 474,086. C. SHELDON MAXEY, Michigan City, Ind. Filed Sept. 11, 1944.

MERRI-MAX

FOR JIG SAW PUZZLES.
Claims use since Aug. 8, 1944.

Ser. No. 474,112. COLUMBIA PROTEKTOSITE CO. INC., Carlstadt, N. J. Filed Sept. 12, 1944.

TEA-TIME

FOR PLASTIC TOY TEA SETS, CONSISTING OF CUPS, SAUCERS, PITCHERS, BOWLS, POTS, PANS, KETTLES, KNIVES, FORKS, AND SPOONS.
Claims use since July 1940.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 471,352. GEORGE E. LORENZ, Philadelphia, Pa. Filed June 17, 1944.

LORNODE

FOR DRILL BITS.
Claims use since Feb. 1, 1943.

Ser. No. 472,695. DANIEL C. DILLON, JR., doing business as D. C. Dillon & Company, Irvington, N. J. Filed July 28, 1944.

Stypti-Razor

No claim is made to the word "Razor" apart from the mark.
FOR SAFETY RAZORS.
Claims use since June 13, 1944.

Ser. No. 473,993. LARKIN PACKER COMPANY, St. Louis, Mo. Filed Sept. 8, 1944.

CEMENTROL

FOR WELL CEMENTING AND CASING SHOES.
Claims use since Nov. 30, 1943.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 463,230. WM. E. HOOPER & SONS CO., Baltimore, Md. Filed Sept. 4, 1943.

BLUE STRIPE

FOR COTTON LAUNDRY PADS, KNITTED COTTON PADDING IN THE PIECE FOR USE ON LAUNDRY MACHINES, COVER CLOTH FOR LAUNDRY PADDING, APRON DUCK FOR LAUNDRY MACHINES, AND FEED RIBBONS FOR LAUNDRY MACHINES.
Claims use since Nov. 1, 1925.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 458,942. ALEXANDER KONO, doing business as Kono Manufacturing Company, Woodside, Long Island, N. Y., assignor to The Kono Manufacturing Company, Woodside, N. Y., a firm. Filed Mar. 6, 1943.

ACE

FOR EYEGLASS AND SPECTACLE FRAMES AND PARTS THEREFOR—NAMELY, NOSEPIECES, AND TEMPLES, MADE OF METAL, SHELL, AND VARIOUS PLASTIC COMPOSITIONS.
Claims use since Oct. 1, 1941.

Ser. No. 462,387. ALEXANDER KONO, doing business as Kono Manufacturing Company, Woodside, Long Island, N. Y., assignor to The Kono Manufacturing Company, Woodside, N. Y., a firm. Filed July 29, 1943.

Ace-Hi

FOR EYEGLASS AND SPECTACLE FRAMES AND PARTS THEREFOR—NAMELY, NOSE PIECES, AND TEMPLES, MADE OF METAL, SHELL, AND VARIOUS PLASTIC COMPOSITIONS.
Claims use since June 9, 1943.

Ser. No. 462,388. ALEXANDER KONO, doing business as Kono Manufacturing Company, Woodside, Long Island, N. Y., assignor to The Kono Manufacturing Company, Woodside, N. Y., a firm. Filed July 29, 1943.

Ace-On

FOR EYEGLASS AND SPECTACLE FRAMES AND PARTS THEREFOR—NAMELY, NOSE PIECES, AND TEMPLES, MADE OF METAL, SHELL, AND VARIOUS PLASTIC COMPOSITIONS.
Claims use since June 9, 1943.

Ser. No. 473,203. AIR REDUCTION SALES COMPANY, New York, N. Y. Filed Aug. 12, 1944.

AIRCO

FOR APPARATUS FOR MIXING AND PROPORTIONING GASES.
Claims use since June 26, 1944.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 464,969. HELBROS WATCH COMPANY, INC., New York, N. Y. Filed Nov. 13, 1943.



FOR WATCHES, WATCH MOVEMENTS, AND WATCH CASES.
Claims use since 1933.

Ser. No. 469,662. GEORGE N. WALLACE, doing business as Jules Racine & Company, New York, N. Y. Filed Apr. 25, 1944. Under 10-year proviso.

RACINE

Applicant is the owner of Reg. No. 72,572 (renewed).
FOR WATCHES AND PARTS THEREOF.
Claims use since October 1890.

Ser. No. 471,790. CHASE WATCH CORP., New York, N. Y. Filed June 29, 1944.

CHASE

FOR WATCHES AND WATCH MOVEMENTS.
Claims use since Feb. 21, 1936.

Ser. No. 473,789. STONA WATCH COMPANY, New York, N. Y. Filed Aug. 31, 1944.

STONA

FOR WATCHES AND PARTS THEREOF.
Claims use since Aug. 16, 1944.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 468,844. AARON KOENIG, New York, N. Y. Filed Mar. 30, 1944.

CENTURY-FACET CUT

No claim is made to the representation of the goods and to the words "Facet" and "Cut" apart from the mark.
FOR DIAMONDS.
Claims use since Feb. 23, 1944.

Ser. No. 473,833. OTTO BAER, INC., Buffalo, N. Y. Filed Sept. 1, 1944.



FOR FINGER RINGS.
Claims use since June 1940.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 463,749. FAIRBANKS, MORSE & Co., Chicago, Ill. Filed Sept. 29, 1943. Under section 5b of the act of 1905 as amended in 1920.

FAIRBANKS-MORSE

FOR REFRIGERATOR APPARATUS AND INDUSTRIAL FLUID COOLERS.
Claims use since Nov. 10, 1937.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 471,913. NORTHOME FURNITURE INDUSTRIES INC., Dubuque, Iowa. Filed July 3, 1944.

ZEE-FLEX

FOR UPHOLSTERED DAVENPORTS, UPHOLSTERED LOUNGE CHAIRS, UPHOLSTERED OCCASIONAL CHAIRS AND UPHOLSTERED SOFA BEDS.
Claims use since June 20, 1944.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 473,882. CHARLES B. DOUGLAS, doing business as Douglas Company, Charlotte, N. C. Filed Sept. 4, 1944.

DUREX

Applicant disclaims the representation of the two washers apart from the mark.
FOR FAUCET WASHERS MADE OF VULCANIZED FIBROUS MATERIAL.
Claims use since July 5, 1944.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 459,053. PROGRESSIVE MUSICAL INSTRUMENT CORPORATION, New York, N. Y. Filed Mar. 12, 1943.

PARIS FRANCE

No claim is made to the words "Paris France" apart from the mark.
FOR MUSICAL INSTRUMENTS—NAMELY, CLARINETS, HAUTBOYS, ENGLISH HORNS, BAGPIPES, DRONE PIPES, BASSOONS, LOW AND ALTO CLARINETS, FLUTES (BIG AND SMALL), FLAGEOLETS, FIFES, TRUMPETS, HORNS, BUGLES, BARYTONE AND ALTO HORNS, BASS HORNS AND COUNTER-BASSES, HELICONS, TROMBONES, SAXOPHONES, CLARIONS, HUNTING HORNS, DRUMS, CYMBALS, AND REEDS, AND PARTS FOR THESE INSTRUMENTS.
Claims use since Aug. 1, 1919.

Ser. No. 470,382. NATIONAL RECORD COMPANY, Phillipsburg, N. J. Filed May 18, 1944.

NATIONAL RECORDS

The word "Records" is disclaimed apart from the mark.
FOR MUSICAL PHONOGRAPH RECORDS.
Claims use since May 1944.

CLASS 37

PAPER AND STATIONERY

Ser. No. 470,224. JAMES A. S. FURLONGE, doing business as Artcraft Floral Company, Los Angeles, Calif. Filed May 13, 1944.

ARTCRAFT "VELVA-LURE"

The word "Artcraft" is disclaimed apart from the mark.
FOR CREPE PAPER FLOCKED WITH MATERIALS SUCH AS COTTON, WOOL, OR RAYON, AND COMMONLY CALLED VELOUR PAPER, DYED IN VARIOUS COLORS AND SOLD IN THE FORM OF SHEETS OR ROLLS.
Claims use since Feb. 8, 1943.

Ser. No. 473,141. CUSTOM PRODUCTS COMPANY, Des Moines, Iowa. Filed Aug. 10, 1944.

Lifeline

FOR WRITING PAPER AND ENVELOPES.
Claims use since Mar. 15, 1944.

Ser. No. 473,593. CENTRAL PAPER COMPANY, INC., Muskegon, Mich. Filed Aug. 25, 1944.



Applicant disclaims the words "An Outstanding All-Purpose Paper for Food Protection."
FOR FOOD PROTECTION PAPERS.
Claims use since June 22, 1944.

Ser. No. 473,653. ZELLERBACH PAPER COMPANY, San Francisco, Calif. Filed Aug. 26, 1944.

Perkette

FOR BATHROOM TISSUE.
Claims use since July 12, 1944.

Ser. No. 473,773. CROCKER, BURBANK & Co. ASSCN., Fitchburg, Mass. Filed Aug. 31, 1944.

AQUASTRONG

FOR PAPER—NAMELY, MAP PAPER AND HANGING PAPER.
Claims use since May 24, 1944.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 470,873. FRANCES WYCKOFF, Astoria, Long Island, N. Y. Filed June 2, 1944.

RACE-A-SCOPES

Applicant disclaims "Race" apart from the mark.
FOR PERIODICALLY PUBLISHED BOOKLETS PERTAINING TO HORSE RACES AND OTHER SPORTS.
Claims use since Jan. 14, 1944.

CLASS 39

CLOTHING

Ser. No. 466,700. JULIUS KAYSER & Co., New York, N. Y. Filed Jan. 19, 1944.

DOWNRIGHT

FOR WOMEN'S SLIPS.
Claims use since Aug. 5, 1943.

Ser. No. 468,756. EDWARD S. JAMISON, doing business as James Jamison Company, New York, N. Y. Filed Mar. 28, 1944.

4-D

FOR MEN'S SOCKS.
Claims use since February 1944.

Ser. No. 470,061. ADAM HAT STORES, INC., New York, N. Y. Filed May 9, 1944.

ADAM

"HIGHLAND FLING"

FOR HATS AND CAPS FOR MEN.
Claims use since Apr. 10, 1944; and since August 1933 for concentric circle and features within.

Ser. No. 470,879. BEAUMART CO., New York, N. Y. Filed June 3, 1944.

PLUS TEENS

The word "Teens" is disclaimed apart from the mark.
FOR JUNIOR, MISSES' AND LADIES' DRESSES, SKIRTS, BLOUSES, JACKETS, SUITS, AND DRESS AND JACKET COMBINATIONS.
Claims use since Feb. 9, 1943.

Ser. No. 471,225. MADCAPS COMPANY, New York, N. Y. Filed June 14, 1944.

Jr. Madcaps

Applicant disclaims the right to the exclusive use of the expression "Jr.," except in association with the other features of the mark shown in the drawing.
FOR LADIES' AND MISSES' HATS, WRAPS, BANDS, AND SHAWLS USED AS HEAD WEAR.
Claims use since May 24, 1944.

Ser. No. 471,670. JOAN LESLIE BLOUSE CORPORATION, New York, N. Y. Filed June 26, 1944.

Fay Leslie

The mark is a facsimile signature of Fay Leslie Pomerantz, a minor, the niece of the secretary of the applicant corporation. Consent to register, signed by her father, is filed.
FOR LADIES' AND MISSES' BLOUSES.
Claims use since June 1943.

Ser. No. 472,153. NARDIS SPORTS WEAR, INC., Dallas, Tex. Filed July 12, 1944.

Junard OF DALLAS

The term "of Dallas" is disclaimed apart from the mark.
FOR WOMEN'S AND MISSES' SPORTSWEAR—NAMELY, SKIRTS, BLOUSES, JACKETS, SUITS, COATS, DRESSES, SHORTS, HALTERS, SLACKS, FOUR-PIECE SPORTS SUITS.
Claims use since May 24, 1944.

Ser. No. 472,480. VAN RAALTE COMPANY, INC., New York, N. Y. Filed July 21, 1944.

HANDS-OFF

FOR GLOVES OF LEATHER OR FABRIC OR COMBINATIONS THEREOF.
Claims use since June 27, 1944.

Ser. No. 472,627. FRANCES ADAMS HATS, New York, N. Y. Filed July 25, 1944.

Lady Hatgrip

FOR LADIES' AND MISSES' HATS AND HAT FRAMES.
Claims use since June 30, 1944.

Ser. No. 472,733. CHEVETTE INC., New York, N. Y. Filed July 29, 1944.

CHEVETTE

FOR LADIES', MISSES' AND CHILDREN'S PAJAMAS, NIGHTGOWNS, SLIPS, PANTIES, BLOUSES, NEGLIGEES, GIRDLES, AND PANTIE-GIRDLES.
Claims use since January 1930.

Ser. No. 473,031. ALEXANDER E. KIRSCHNER, doing business as Dianafix Company, Paterson, N. J. Filed Aug. 7, 1944.

Baranee

FOR MEN'S AND WOMEN'S HOUSE SLIPPERS MADE WHOLLY OR PARTLY OF SHEARLING SHEEPSKIN.
Claims use since June 26, 1944.

Ser. No. 473,315. BARNET GINSBURG & NAT ABELSON, INC., New York, N. Y. Filed Aug. 16, 1944.

Trim-maker

Applicant disclaims the word "Trim" apart from the mark.
FOR LADIES' AND MISSES' DRESSES.
Claims use since Feb. 1, 1944.

Ser. No. 473,341. A. SAGNER'S SON, Frederick, Md. Filed Aug. 16, 1944.

LORD FREDERICK

FOR MEN'S AND LADIES' SUITS AND TOPCOATS.
Claims use since March 1936.

Ser. No. 473,455. W. S. MAAS, INC., New York, N. Y. Filed Aug. 19, 1944.

WEGENA

FOR BRASSIÈRES.
Claims use since May 1, 1944.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 456,810. RIVERSIDE & DAN RIVER COTTON MILLS, INC., Danville, Va., and New York, N. Y. Filed Nov. 13, 1942.

SERVICE BEYOND THE CONTRACT

No claim is made to the word "Service" apart from the mark.
FOR PIECE GOODS OF COTTON, RAYON, WOOL AND SILK, AS WELL AS COMBINATIONS THEREOF.
Claims use since Aug. 26, 1942.

Ser. No. 466,485. SOL FLETCHER, INC., New York, N. Y. Filed Jan. 11, 1944.

CHAMILLON

FOR WOOLEN PIECE GOODS.
Claims use since Nov. 23, 1943.

Ser. No. 468,829. BLACKSTONE PLUSH MILLS, INC., Clinton, Mass. Filed Mar. 30, 1944.

WOOLMO

FOR PILE FABRICS IN THE PIECE OF COMBINATION WOOL AND MOHAIR WITH COTTON BACK.
Claims use since Jan. 5, 1943.

Ser. No. 470,173. CONGOLEUM-NAIRN INC., Kearny, N. J. Filed May 12, 1944.

LETHERLIN

FOR IMPREGNATED OR TREATED WIDE COTTON WEBBING RESISTANT TO MILDEW, FIRE AND WATER.
Claims use since May 5, 1944.

Ser. No. 470,227. LEBANON WOOLEN MILLS, INC., Lebanon, Tenn., and New York, N. Y. Filed May 13, 1944.



The mark consists of the portrait of Lynn Page Edgerton, the daughter of Howard K. Edgerton, president of applicant corporation.
FOR BLANKETS.
Claims use since Apr. 1, 1941.

Ser. No. 471,033. HERBERT MANUFACTURING COMPANY, New York, N. Y. Filed June 8, 1944.

Bonafide HERBERT Linings

Applicant is the owner of Reg. No. 374,705, dated Jan. 23, 1940, showing the word "Herbert." No claim is made to the words "bonafide" and "linings" apart from the mark.
FOR PIECE GOODS OF COTTON, RAYON, AND MIXTURES OF COTTON AND RAYON.
Claims use since Mar. 3, 1944.

Ser. No. 473,306. BERNSTEIN BROTHERS, Los Angeles, Calif. Filed Aug. 16, 1944.

EL CAMINO REAL

FOR PIECE GOODS OF HAND-SCREENED PRINT TEXTILE FABRICS CONSISTING OF A SERIES OF PRINTS MADE OF RAYON, SPUN RAYON AND COTTON, USED FOR THE MANUFACTURE OF WOMEN'S DRESSES AND BLOUSES.
Claims use since June 1, 1944.

Ser. No. 473,339. FRANK R. REDMAN, Yardley, Pa. Filed Aug. 16, 1944.

REDMANIZED

FOR WASHABLE FABRIC IN THE PIECE, COMPOSED OF YARNS OF ALL COTTON, ALL RAYON (SYNTHETICS), AND ALL WOOL, AND MIXTURES THEREOF.
Claims use since July 21, 1944.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 448,804. ALFRED A. SALANITRO, doing business as Doc Food Product Company, Bloomfield, N. J. Filed Nov. 21, 1941.



DOC BEANS

No claim is made to the word "Beans" apart from the mark.
FOR CANNED BEANS WITH TOMATO SAUCE.
Claims use since Dec. 19, 1938.

Ser. No. 455,235. THE KROGER GROCERY & BAKING COMPANY, Cincinnati, Ohio. Filed Sept. 1, 1942. Under section 5b of the act of 1905 as amended in 1920 as to "Kroger's."

KROGER'S Bakin' Beans

No claim is made to the words "Bakin Beans" apart from the mark. Applicant is owner of Reg. No. 399,518, effected under the 10-year proviso.
FOR FOOD PACKAGE CONSISTING OF DRIED BEANS AND A FLAVORING AND SEASONING SAUCE THEREFOR.
Claims use since Aug. 25, 1942.

Ser. No. 460,682. TOBIN PACKING CO., INC., Fort Dodge, Iowa. Filed May 17, 1943.

TOBIN'S TRIPLE TREAT

The name "Tobin's" is disclaimed apart from the mark.
FOR LIVE STOCK AND POULTRY FEEDS—NAMELY, TANKAGE, MEAT SCRAPS, AND PIG MEAL.
Claims use since Jan. 5, 1942.

Ser. No. 461,621. WILBUR-SUCHARD CHOCOLATE COMPANY, INC., Borough of Lititz, Pa. Filed June 23, 1943. Under 10-year proviso.

WILBUR'S

FOR CHOCOLATE COATINGS, CHOCOLATE LIQUORS, COCOA, CHOCOLATE, AND CANDY.
Claims use since Sept. 15, 1884, on chocolate coatings, chocolate liquors, and cocoa; since August 1887 on chocolate; and since 1893 on candy.

Ser. No. 461,622. WILBUR-SUCHARD CHOCOLATE COMPANY, INC., Borough of Lititz, Pa. Filed June 23, 1943. Under sec. 5b of the act of 1905 as amended in 1920.

WILBUR

FOR CHOCOLATE COATINGS, CHOCOLATE LIQUORS, COCOA, CHOCOLATE, CANDY, AND CHOCOLATE FLAVORED SYRUP FOR FOOD BEVERAGES AND OTHER FOOD PURPOSES.
Claims use since Apr. 12, 1935.

Ser. No. 463,523. I. F. LAUCKS, INC., Seattle, Wash. Filed Sept. 20, 1943.

Lauxsoy

FOR FOOD PRODUCT FOR HUMAN CONSUMPTION COMPRISING HULLED, COOKED AND DIVIDED SOY BEANS.
Claims use since Sept. 10, 1943.

Ser. No. 468,661. FELIX G. COHEN, doing business as Subtropical Sales Co., Oakland, Calif. Filed Mar. 25, 1944.



FOR FRESH FRUITS—NAMELY, FRESH AVOCADOS.
Claims use since Jan. 7, 1944.

Ser. No. 469,124. GOODWIN PRESERVING CO., Louisville, Ky. Filed Apr. 7, 1944.

PLUMLADE

FOR FRUIT JAM.
Claims use since Apr. 1, 1944.

Ser. No. 473,238. R. M. WRIGHT, doing business as Wright Fruit Company, Dinuba, Calif. Filed Aug. 12, 1944.



No claim is made to the name "Wright Fruit Co." apart from the mark.
FOR FRESH FRUITS—NAMELY, FRESH GRAPES.
Claims use since 1923.

Ser. No. 473,652. FLOYD W. ZARP, Omaha, Nebr. Filed Aug. 26, 1944.

R-Z EXELLO-E

No claim is made to the letter "E" apart from the mark.
FOR POTATO CHIPS.
Claims use since July 1, 1944.

Ser. No. 474,173. LUMMIS & COMPANY, Philadelphia, Pa. Filed Sept. 13, 1944.



The representation of the peanut is disclaimed apart from the mark.
FOR PEANUT BUTTER, SALTED PEANUTS, AND NUT CONFECTIONS—NAMELY, NUT CLUSTERS IN WHICH THE NUTS ARE HELD TOGETHER BY A HARDENED SUGAR SYRUP COMPOSITION, AND PEANUT BARS.
Claim use since June 15, 1944.

Ser. No. 474,462. EMMETT B. PETER, Leesburg, Fla. Filed Sept. 21, 1944.

PINEY WOODS BELLE

FOR FRESH CITRUS FRUITS.
Claims use since October 1903.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 468,285. W. A. HALLER COMPANY, INC., Pittsburgh and Philadelphia, Pa. Filed Mar. 14, 1944.



CONESTOGA

FOR POTABLE, DISTILLED SPIRITUOUS BEVERAGES—NAMELY, BRANDY, WHISKEY, GIN, RUM, AND ALCOHOLIC CORDIALS.
Claims use since May 26, 1943.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 473,928. ARMSTRONG CORK COMPANY, Lancaster, Pa. Filed Sept. 7, 1944. Under 10-year proviso.

Armstrong's

FOR BOTTLE CORKS.
Claims use since 1864.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

NOVEMBER 14, 1944

410,175. GROUND THREAD SCREW PLUG AND RING GAUGES, GAP, PLUG AND FORM PLATE GAUGES, AND VERTICAL COMPARATORS. MOLLART ENGINEERING COMPANY LIMITED, Surbiton, England.
Filed April 6, 1943. Serial No. 459,671. PUBLISHED SEPTEMBER 5, 1944. Class 26.

410,176. FLOOR TILE COMPOSED OF A PLASTIC BINDER, PLASTICIZERS, ASBESTOS FIBERS AND MINERAL PIGMENTS. THE TILE-TEX COMPANY, Chicago Heights, Ill.
Filed April 22, 1943. Serial No. 460,101. PUBLISHED FEBRUARY 29, 1944. Class 12.

410,177. BLANK FORMS—NAMELY, MEMBERSHIP-CARDS, TRAVEL CARDS, AND RECEIPTS. HOTEL AND RESTAURANT EMPLOYEES' INTERNATIONAL ALLIANCE AND BARTENDERS' INTERNATIONAL LEAGUE OF AMERICA, Cincinnati, Ohio.
Filed April 30, 1943. Serial No. 460,300. PUBLISHED SEPTEMBER 5, 1944. Class 37.

410,178. BLOWERS AND FANS FOR VENTILATION, HEATING, AND COOLING, AND FOR FORCED DRAFT PURPOSES ON COAL-FIRED BOILERS, AIR CONDITIONING UNITS. COMFORT ENGINEERING CORPORATION, Paterson and Passaic, N. J.
Filed May 19, 1943. Serial No. 460,734. PUBLISHED SEPTEMBER 5, 1944. Class 34.

410,179. ELECTRIC MOTORS AND PARTS THEREOF. THE MASTER ELECTRIC COMPANY, Dayton, Ohio.
Filed June 21, 1943. Serial No. 461,562. PUBLISHED SEPTEMBER 5, 1944. Class 21.

410,180. STRAIN GAGES, STRAIN INDICATING AND RECORDING INSTRUMENTS AND CONTROL OF THE SAME OPERATED IN RESPONSE TO A CHANGE IN ELECTRICAL RESISTANCE ARISING FROM A CHANGE OF STRAIN IN A MEMBER. THE BALDWIN LOCOMOTIVE WORKS, Eddystone, Pa.
Filed July 20, 1943. Serial No. 462,176. PUBLISHED SEPTEMBER 5, 1944. Class 26.

410,181. GEARS FOR USE IN FLUID PUMPS AND OTHER MECHANICAL CONSTRUCTIONS. MAY OIL BURNER CORPORATION, Baltimore, Md.
Filed September 2, 1943. Serial No. 463,175. PUBLISHED AUGUST 22, 1944. Class 23.

410,182. FLOOR TILE COMPOSED OF A PLASTIC BINDER, PLASTICIZERS, ASBESTOS FIBERS, AND MINERAL PIGMENTS. THE TILE-TEX COMPANY, Chicago Heights, Ill.
Filed September 13, 1943. Serial No. 463,387. PUBLISHED FEBRUARY 29, 1944. Class 12.

410,183. ROPES MADE FROM COTTON, HEMP, JUTE, SISAL, RAMIE OR ARTIFICIAL FIBRES AND TWINE FOR MAKING FISHING NETS. THE LANCASHIRE HILL ROPE & TWINE CO. LIMITED, Stockport, England.
Filed October 5, 1943. Serial No. 463,907. PUBLISHED SEPTEMBER 5, 1944. Class 7.

410,184. MASTER SWITCHES, ELECTRO-MAGNETIC ACTUATORS, DEVICES RESPONDING TO ELECTRIC ENERGY AND EMPLOYED AS CONTROLS FOR THE VARIOUS UNITS—TELEMOTORS, TRANSMITTERS, CUT-OFFS, AND ENGINES—GOVERNING THE STEERING OF MARINE VESSELS, AND CONTROL UNITS FOR CAPSTANS WINDLASSES, WINCHES, AND CRANES. WEBSTER-BRINKLEY CO., Seattle, Wash.
Filed October 13, 1943. Serial No. 464,123. PUBLISHED SEPTEMBER 5, 1944. Class 21.

410,185. PORTABLE ELEVATORS OF THE TYPE COMPRISING A PORTABLE BASE AND A PLATFORM THAT MAY BE RAISED AND LOWERED FROM THE BASE FOR USE IN SERVICING THE INTERIORS OF BUILDINGS. REVOLVATOR COMPANY, North Bergen, N. J.
Filed October 26, 1943. Serial No. 464,420. PUBLISHED AUGUST 22, 1944. Class 23.

410,186. CROCHET AND KNITTING COTTON, KNITTING WORSTED, AND RAYON YARNS. ORCHARD YARN AND THREAD COMPANY, New York, N. Y.
Filed November 2, 1943. Serial No. 464,616. PUBLISHED FEBRUARY 15, 1944. Class 43.

410,187. MATERIAL USED AS CUSHIONING SUPPORTS AND FILLERS IN UPHOLSTERED FURNITURE. THE SPONGE RUBBER PRODUCTS COMPANY, Derby, Conn.
Filed November 10, 1943. Serial No. 464,904. PUBLISHED APRIL 18, 1944. Class 32.

410,188. LEATHER AND REPTILE SKINS. HENRY COWGILL, doing business as Alligator Henry's Leather Company, New York, N. Y.
Filed November 13, 1943. Serial No. 464,965. PUBLISHED SEPTEMBER 5, 1944. Class 1.

410,189. GARDEN AND FIELD SEEDS, BULBS, AND PLANTS. ASSOCIATED SEED GROWERS, INC., New Haven, Conn.
Filed November 17, 1943. Serial No. 465,061. PUBLISHED SEPTEMBER 5, 1944. Class 1.

410,190. TOILET TISSUE. AMROP TRADING CO., New York, N. Y.
Filed November 27, 1943. Serial No. 465,332. PUBLISHED FEBRUARY 29, 1944. Class 37.

410,191. MACHINES FOR CLEANING COAL AND THE LIKE MINERAL SUBSTANCES BY GRAVITY CONCENTRATION USING A HEAVY SEPARATING FLUID, AND PARTS OF SUCH MACHINES. COLLIERY ENGINEERING LIMITED, Sheffield, England.
Filed November 30, 1943. Serial No. 465,383. PUBLISHED AUGUST 29, 1944. Class 23.

410,192. MEDICAL APPLIANCE—NAMELY, AN ELASTIC DRESSING USED IN PREPARING FLEXIBLE CASTS FOR TREATMENT OF VARICOSE ULCERS. PHYSICIANS & HOSPITALS SUPPLY COMPANY, INC., doing business as Ulmer Pharmacal Company, Minneapolis, Minn.
Filed December 6, 1943. Serial No. 465,558. PUBLISHED SEPTEMBER 5, 1944. Class 44.

410,193. PETROLEUM WAX. UNION OIL COMPANY OF CALIFORNIA, Los Angeles, Calif.
Filed December 27, 1943. Serial No. 466,112. PUBLISHED AUGUST 29, 1944. Class 15.

410,194. CIGARS. JOSÉ MARIA FERNANDEZ CASTILLO, Habana, Cuba.
Filed December 29, 1943. Serial No. 466,146. PUBLISHED AUGUST 15, 1944. Class 17.

410,195. SELF-RISING FLOUR, WHEAT FLOUR. ACME-EVANS COMPANY, INC., doing business as Lawrenceburg Roller Mills Company, Indianapolis and Lawrenceburg, Ind.
Filed January 5, 1944. Serial No. 466,317. PUBLISHED AUGUST 29, 1944. Class 46.

410,196. PULL TOYS OF THE ACTION TYPE AND TOY GUNS. HIRAM GOLDSTEIN, Buffalo, N. Y.
Filed February 16, 1944. Serial No. 467,451. PUBLISHED SEPTEMBER 5, 1944. Class 22.

410,197. SYNTHETIC RESINOUS MATERIALS IN SHEET, POWDER, AND LIQUID FORM, SUITABLE FOR BONDING PERVIOUS AND/OR IMPERVIOUS SURFACES TOGETHER. THE RESINOUS PRODUCTS & CHEMICAL COMPANY, Philadelphia, Pa.
Filed January 13, 1944. Serial No. 466,544. PUBLISHED SEPTEMBER 5, 1944. Class 5.

410,198. SYNTHETIC RESINOUS MATERIALS IN SHEET, POWDER, AND LIQUID FORM, SUITABLE FOR BONDING PERVIOUS AND/OR IMPERVIOUS SURFACES TOGETHER. ROHM & HAAS COMPANY, Philadelphia, Pa.
Filed January 13, 1944. Serial No. 466,548. PUBLISHED SEPTEMBER 5, 1944. Class 5.

410,199. LIVESTOCK AND POULTRY FEEDS. BOEKE FEED CO., INC., Des Moines, Iowa.
Filed February 25, 1944. Serial No. 467,749. PUBLISHED SEPTEMBER 5, 1944. Class 46.

410,200. PROPHYLACTIC RUBBER ARTICLES FOR THE PREVENTION OF CONTAGIOUS DISEASES. MEDICATED PRODUCTS COMPANY, Chicago, Ill.
Filed February 29, 1944. Serial No. 467,850. PUBLISHED MAY 30, 1944. Class 44.

410,201. BAKING OVENS, MACHINERY AND EQUIPMENT—NAMELY, REVOLVING TRAY, TRAVELING TRAY, ROTARY HEARTH, DECK AND BRICK OVENS, BAKERY FERMENTATION ROOMS, PROOF BOXES, BREAD COOLERS, AND STEAM BOILERS. LOUIS D. HOULIS, Dallas, Tex.
Filed March 11, 1944. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 468,204. PUBLISHED SEPTEMBER 5, 1944. Class 34.

410,202. BUSINESS, BOOKKEEPING, FILING, AND POSTING RECORD EQUIPMENT IN VISIBLE SHEET FORM—NAMELY, BUSINESS, BOOKKEEPING, INDEX AND RECORD FORMS, SHEETS AND CARDS; AND GUIDES, DIVIDERS, AND TABS THEREFOR. DIEBOLD, INCORPORATED, Canton, Ohio.
Filed March 15, 1944. Serial No. 468,321. PUBLISHED SEPTEMBER 5, 1944. Class 37.

410,203. HYDRAULIC AND STEAM-POWERED ENGINES AND CONTROL UNITS THEREFOR FOR MARINE VESSEL STEERING MECHANISMS, CAPSTANS, WINDLASSES, WINCHES, CRANES, AND LINESHAFT BEARINGS. WEBSTER-BRINKLEY Co., Seattle, Wash.
Filed March 25, 1944. Serial No. 468,653. PUBLISHED AUGUST 22, 1944. Class 23.

410,204. THERMOSTATICALLY OPERATED SWITCHES. MICRO SWITCH CORPORATION, Freeport, Ill., assignor to First Industrial Corporation, Wilmington, Del., a corporation of Delaware.
Filed April 7, 1944. Serial No. 469,127. PUBLISHED SEPTEMBER 5, 1944. Class 26.

410,205. PORTLAND CEMENT. UNIVERSAL ATLAS CEMENT COMPANY, New York, N. Y.
Filed April 12, 1944. Serial No. 469,290. PUBLISHED SEPTEMBER 5, 1944. Class 12.

410,206. PLAQUES MADE OF MATERIALS OTHER THAN PRECIOUS OR SEMI-PRECIOUS METALS. INTERNATIONAL SOCIETY OF CHRISTIAN ENDEAVOR, Boston, Mass.
Filed April 15, 1944. Serial No. 469,357. PUBLISHED SEPTEMBER 5, 1944. Class 50.

410,207. SURFACE PLATES AND ACCESSORIES THERETO, INCLUDING TOOL MAKERS' KNEES. BINSWANGER & CO. OF TENNESSEE, Memphis, Tenn.
Filed April 21, 1944. Serial No. 469,530. PUBLISHED SEPTEMBER 5, 1944. Class 26.

410,208. PLASTICS PRESSING MACHINES AND PARTS OF SUCH MACHINES. DEFIANCE MACHINE WORKS, INC., Toledo, Ohio.
Filed May 2, 1944. Serial No. 469,865. PUBLISHED AUGUST 22, 1944. Class 23.

410,209. ROTARY SHEAVES, PULLEYS, AND BUSHINGS. ALLIS-CHALMERS MANUFACTURING COMPANY, Milwaukee, Wis.
Filed May 5, 1944. Serial No. 469,950. PUBLISHED AUGUST 22, 1944. Class 23.

410,210. MICROFILM CAMERAS, MICROFILM PROJECTORS, AND APPARATUS FOR DEVELOPING AND PROCESSING MICROFILM AND THE LIKE, AND PARTS OF THE AFOREMENTIONED DEVICES. PRATT & GRAY COMPANY, Norwalk, Conn., assignor to Diebold, Incorporated, Canton, Ohio.
Filed May 12, 1944. Serial No. 470,210. PUBLISHED SEPTEMBER 5, 1944. Class 26.

410,211. CAMERAS USED TO PHOTOGRAPHICALLY RECORD ON FILM THE INTERIOR OF CAVITIES IN DENTAL, MEDICAL, AND SURGICAL PRACTISE. CAMERON SURGICAL SPECIALTY COMPANY, Chicago, Ill.
Filed May 15, 1944. Serial No. 470,256. PUBLISHED SEPTEMBER 5, 1944. Class 26.

410,212. PINE CONES TREATED WITH COPPER SALT DERIVATIVES FOR THE PURPOSE OF PRODUCING COLORFUL FLAMES. ERNA M. MACKABEN, doing business as Fairy Flames, Alhambra, Calif.
Filed May 15, 1944. Serial No. 470,275. PUBLISHED SEPTEMBER 5, 1944. Class 1.

410,213. RESINOUS MATERIALS IN LIQUID OR POWDER FORM OR IN THE FORM OF A FILM HAVING ADHESIVE AND/OR BINDING PROPERTIES AND CAPABLE OF CEMENTING OBJECTS, ESPECIALLY METALS, WOOD, AND/OR PLASTICS. THE RESINOUS PRODUCTS & CHEMICAL COMPANY, Philadelphia, Pa.
Filed May 17, 1944. Serial No. 470,345. PUBLISHED SEPTEMBER 5, 1944. Class 5.

410,214. STABILIZERS ADAPTED TO BE USED IN ICE CREAM CONSISTING PRINCIPALLY OF CORN SUGAR, CARRAGEEN EXTRACT, SODIUM BICARBONATE AND SODIUM PHOSPHATE. BOWEY'S INC., Chicago, Ill.
Filed May 19, 1944. Serial No. 470,404. PUBLISHED AUGUST 29, 1944. Class 46.

410,215. HAND BAGS. ALBERT LEFCOURTE, doing business as Lefcourte Cosmetics Co., New York, N. Y.
Filed May 30, 1944. Serial No. 470,799. PUBLISHED SEPTEMBER 5, 1944. Class 3.

410,216. MACHINES FOR THE SURFACE HARDENING OF METAL PARTS BY IMPINGEMENT, AND IMPINGEMENT HARDENED MACHINE PARTS. AMERICAN FOUNDRY EQUIPMENT COMPANY, Mishawaka, Ind.
Filed June 2, 1944. Serial No. 470,843. PUBLISHED AUGUST 29 ,1944. Class 23.

410,217. GLUES, PASTES, AND ADHESIVE CEMENTS. ARVEY CORPORATION, Chicago, Ill.
Filed June 7, 1944. Serial No. 470,955. PUBLISHED SEPTEMBER 5, 1944. Class 5.

410,218. FLEXIBLE INSULATED ELECTRIC WIRE OR CORD. CRESCENT INSULATED WIRE & CABLE CO., INC., Trenton, N. J.
Filed June 10, 1944. Serial No. 471,115. PUBLISHED SEPTEMBER 5, 1944. Class 21.

410,219. SAWS. OHLEN-BISHOP MANUFACTURING COMPANY, Columbus, Ohio.
Filed June 10, 1944. Serial No. 471,130. PUBLISHED AUGUST 29, 1944. Class 23.

410,220. FRESH VEGETABLES—NAMELY, FRESH LETTUCE AND FRESH MELONS. FARLEY FRUIT Co., Salinas, Calif.
Filed June 12, 1944. Serial No. 471,151. PUBLISHED SEPTEMBER 5, 1944. Class 46.

410,221. CARTONS. ZELLERBACH PAPER COMPANY, San Francisco, Calif.
Filed June 17, 1944. Serial No. 471,381. PUBLISHED SEPTEMBER 5, 1944. Class 2.

410,222. SMOKING AND CHEWING TOBACCO, CIGARETTES, CIGARS, AND SNUFF. C. FRYER & SONS (OVERSEAS) LIMITED, London, England.
Filed June 21, 1944. Serial No. 471,474. PUBLISHED SEPTEMBER 5, 1944. Class 17.

410,223. MATTRESSES. HENRY D. TAYLOR AND LANCELOT C. LINGO, doing business as Montgomery Mattress Factory, Montgomery, Ala.
Filed June 21, 1944. Serial No. 471,494. PUBLISHED SEPTEMBER 5, 1944. Class 32.

410,224. METALLIC PISTON RINGS AND EXPANDERS THEREFOR. SIMPLEX PRODUCTS CORPORATION, Cleveland Ohio.
Filed June 22, 1944. Serial No. 471,540. PUBLISHED SEPTEMBER 5, 1944. Class 35.

410,225. ARCH SUPPORTS. THE SCHOLL MFG. CO., INC., Chicago, Ill.
Filed June 24, 1944. Serial No. 471,635. PUBLISHED SEPTEMBER 5, 1944. Class 44.

410,226. ARCH SUPPORTS. THE SCHOLL MFG. CO., INC., Chicago, Ill.
Filed June 24, 1944. Serial No. 471,636. PUBLISHED SEPTEMBER 5, 1944. Class 44.

410,227. TITROMETERS, COLORIMETERS, DENSITOMETERS, AND PHOTOMETERS. PRECISION SCIENTIFIC CO., Chicago, Ill.
Filed June 26, 1944. Serial No. 471,682. PUBLISHED AUGUST 29, 1944. Class 26.

410,228. STUFFED TOY ANIMALS AND DOLLS. STERLING DOLL CO., INC., New York, N. Y.
Filed June 26, 1944. Serial No. 471,689. PUBLISHED SEPTEMBER 5, 1944. Class 22.

410,229. TOY UNITS CONSISTING OF A WHEELED WAGON CHARGED WITH GAME BLOCKS OF VARYING SIZES AND SHAPES. WILLIAM G. GRESSETT, Denver, Colo.
Filed June 29, 1944. Serial No. 471,799. PUBLISHED SEPTEMBER 5, 1944. Class 22.

410,230. MACHINES FOR MAKING PHOTO COPY PRINTS CONTINUOUSLY. THE C. F. PEASE COMPANY, Chicago, Ill.
Filed June 29, 1944. Serial No. 471,812. PUBLISHED SEPTEMBER 5, 1944. Class 26.

410,231. ARCH SUPPORTS. CHICAGO PLASTIC PRODUCTS CO., INC., Chicago, Ill.
Filed July 3, 1944. Serial No. 471,893. PUBLISHED SEPTEMBER 5, 1944. Class 44.

410,232. ARCH SUPPORTS. CHICAGO PLASTIC PRODUCTS CO., INC., Chicago, Ill.
Filed July 3, 1944. Serial No. 471,894. PUBLISHED SEPTEMBER 5, 1944. Class 44.

410,233. SURGICAL WASTE FOR USE IN PRESSURE DRESSINGS. C. GILBERT WALLWORTH & CO., Philadelphia, Pa.
Filed July 5, 1944. Serial No. 471,934. PUBLISHED SEPTEMBER 5, 1944. Class 44.

410,234. DOLLS. HERBERT H. KRAUSE & ASSOCIATES, Chicago, Ill.
Filed July 6, 1944. Serial No. 471,950. PUBLISHED SEPTEMBER 5, 1944. Class 22.

410,235. ANGEL FOOD CAKES. JACKSON M. LUKER, Urbana, Ill.
Filed July 6, 1944. Serial No. 471,952. PUBLISHED SEPTEMBER 5, 1944. Class 46.

410,236. CANNED SARDINES. COMMERCIAL COMPINEX COMPANY, New York, N. Y.
Filed July 10, 1944. Serial No. 472,043. PUBLISHED SEPTEMBER 5, 1944. Class 46.

410,237. FOOD PRODUCTS—NAMELY, AN IMITATION BUTTER FLAVOR FOR ADMIXTURE WITH VARIOUS FOODS AND FOOD SUBSTANCES. DAVIS AND COMPANY, Cleveland, Ohio.
Filed July 11, 1944. Serial No. 472,101. PUBLISHED SEPTEMBER 5, 1944. Class 46.

410,238. IGNITION AND STARTING APPARATUS FOR INTERNAL COMBUSTION ENGINES AND ELECTRIC LIGHTING SYSTEMS FOR MOVING VEHICLES, COMPRISING MAGNETOS, TIMER-DISTRIBUTORS FOR BATTERY IGNITION SYSTEMS, MECHANICAL INTERRUPTERS AND TIMING GOVERNORS FOR MAGNETOS AND TIMER-DISTRIBUTORS, ETC. AMERICAN BOSCH CORPORATION, Springfield, Mass.
Filed July 12, 1944. Serial No. 472,133. PUBLISHED SEPTEMBER 5, 1944. Class 21.

410,239. PAPER BAGS. WORTENDYKE MANUFACTURING CO., Richmond, Va.
Filed July 12, 1944. Serial No. 472,169. PUBLISHED SEPTEMBER 5, 1944. Class 2.

410,240. PAPER TWINES. WORTENDYKE MANUFACTURING CO., Richmond, Va.
Filed July 12, 1944. Serial No. 472,170. PUBLISHED SEPTEMBER 5, 1944. Class 7.

410,241. BILLFOLDS, PURSES, AND WALLETS. H. PERKINS & SONS (CANADA) LIMITED, Montreal, Quebec, Canada.
Filed July 15, 1944. Serial No. 472,293. PUBLISHED SEPTEMBER 5, 1944. Class 3.

410,242. KEY CASES AND WALLETS. SAMUEL H. GEFFNER, New York, N. Y.
Filed July 20, 1944. Serial No. 472,418. PUBLISHED SEPTEMBER 5, 1944. Class 3.

410,243. KITCHEN WALL CABINETS AND KITCHEN BASE CABINETS. DONATO J. PORRECA, Philadelphia, Pa.
Filed July 15, 1944. Serial No. 472,296. PUBLISHED SEPTEMBER 5, 1944. Class 32.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

410,244. (CLASS 25. LOCKS AND SAFES.) READING HARDWARE CORPORATION, Reading, Pa. Filed May 23, 1941. Serial No. 443,859.

"TUBE-LOC"

FOR LOCK SETS.
Claims use since Apr. 22, 1941.

410,245. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) JEWEL-SMITHS, INC., Boston, Mass. Filed Feb. 5, 1943. Serial No. 458,357.

Multi-Facet

FOR PRECIOUS AND SEMIPRECIOUS STONES OF ALL KINDS.
Claims use since Jan. 21, 1943.

410,246. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) AMERICAN WOOLEN COMPANY, Boston, Mass., and New York, N. Y. Filed July 3, 1943. Serial No. 461,836.

SUEDE-TONE

FOR WOOLEN PIECE GOODS.
Claims use since June 22, 1943.

410,247. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ORCHARD PRODUCTS COMPANY, also doing business as Seedless Products Co., Chicago, Ill. Filed June 23, 1943. Serial No. 461,615.

U-KOOK-IT

FOR COMPOUNDED FRUIT PRODUCT CONSISTING OF FRUIT JUICES, PULP, AND OTHER INGREDIENTS, AND USED IN MAKING PURE OR IMITATION JAM.
Claims use since June 7, 1943.

410,248. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MARTEX PRINT WORKS, INC., Clifton, N. J. Filed Aug. 4, 1943. Serial No. 462,509.



FOR PIECE GOODS—TO WIT, SILK, WOOL, COTTON, RAYON, AND COMBINATIONS THEREOF.
Claims use since Jan. 2, 1943.

410,249. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) STA-RITE GINNIE-LOU, INC., Shelbyville, Ill. Filed Aug. 6, 1943. Serial No. 462,565.

Smooth-on

FOR APPLICATORS FOR APPLYING LEG MAKE-UP.
Claims use since July 8, 1943.

410,250. (CLASS 39. CLOTHING.) HERMAN H. ROSENWASSER, doing business as Perfect-Fit Tailleurs Co., Los Angeles, Calif. Filed Aug. 20, 1943. Serial No. 462,890.

Perfect Fit TAILLEURS

FOR MEN'S SUITS AND COATS AND LADIES' TAILORED SUITS, COATS, DRESSES, AND SKIRTS.
Claims use since May 1940.

410,251. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) PRUFCOAT LABORATORIES, INC., Cambridge, Mass. Filed Sept. 10, 1943. Serial No. 463,330.

PRUFCOAT

FOR PROTECTIVE COATING MATERIALS IN THE NATURE OF PAINT IN PASTE AND/OR READY-MIXED FORM FOR GENERAL INDUSTRIAL USE, AND PARTICULARLY FOR APPLICATION TO THE INTERIOR OF TANKS AND FOR MACHINERY AND EQUIPMENT TO PROTECT THE SAME AGAINST CORROSION.
Claims use since 1939.

410,252. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) REPUBLIC STEEL CORPORATION, Cleveland, Ohio. Filed Sept. 18, 1943. Serial No. 463,492.

FARROWTEST

FOR ELECTRICALLY TESTED METALLIC TUBING.
Claims used since Apr. 8, 1943.

410,253. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WILLESDEN PROOFING COMPANY, INC., Elizabeth, N. J. Filed Sept. 22, 1943. Serial No. 463,591.

"WILLESDEN"

FOR CANVAS; COTTON, FLAX, JUTE, HEMP PIECE GOODS AND MIXTURES THEREOF, ALL WATERPROOFED, ROTPROOFED, AND MILDEWPROOFED.
Claims use since May 1942.

410,254. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) CHICAGO MAIL ORDER COMPANY, Chicago, Ill. Filed Sept. 29, 1943. Serial No. 463,743.

BEST MIXT

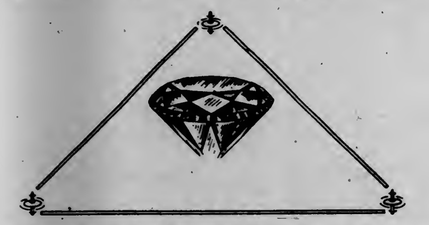
FOR COLD WATER KALSOMINE, PAINTS IN READY-MIXED FORM, AND PAINT ENAMEL.
Claims use since Sept. 1, 1943.

410,255. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EUCLID B. SMITH, New Orleans, La. Filed Oct. 21, 1943. Serial No. 464,322.

XLENT

FOR PREPARATION FOR USE AS A DISINFECTANT, CLEANER, AND DEODORANT.
Claims use since July 1935.

410,256. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) JEWEL-SMITHS, INC., Boston, Mass. Filed Oct. 27, 1943. Serial No. 464,439.



FOR PRECIOUS AND SEMIPRECIOUS STONES OF ALL KINDS.
Claims use since Sept. 29, 1943.

410,257. (CLASS 27. HOROLOGICAL INSTRUMENTS.) JEWEL-SMITHS, INC., Boston, Mass. Filed Nov. 4, 1943. Serial No. 464,697.

Multi-Facet

FOR WATCHES AND CLOCKS.
Claims use since Oct. 6, 1943.

410,258. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) BOB HOWARD, Los Angeles, Calif. Filed Feb. 4, 1944. Serial No. 467,157.



The lining is for shading only.
FOR CABINETS FOR THE GIVING OF HEAT TREATMENTS UTILIZING A CIRCULATION OF WARM, MOIST AIR WITHIN THE STRUCTURE OF THE CABINET.
Claims use since July 1, 1941.

410,259. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) D. I. HAYLES, Dallas, Tex. Filed Mar. 3, 1944. Serial No. 467,942.

Hayles

FOR TONIC FOR HAIR AND SCALP.
Claims use since Aug. 1, 1930.

410,260. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) N. SUMERGRADE & SONS, New York, N. Y. Filed May 11, 1944. Serial No. 470,157.

SUMERSON

FOR COMFORTABLES, BEDSPREADS, AND DRAPERIES.
Claims use since Feb. 1, 1943.

410,261. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) LEBANON WOOLEN MILLS, INC., Lebanon, Tenn., and New York, N. Y. Filed May 13, 1944. Serial No. 470,226.

Lynn Page

FOR BLANKETS.
Claims use since Apr. 1, 1941.

410,262. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) ED BAPTISTA, Mexico City, Mexico. Filed June 1, 1944. Serial No. 470,827.

PEERLESS

FOR PHONOGRAPH RECORDS.
Claims use since April 1921.

410,263. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) ROYAL HAIR PIN CORPORATION, New York, N. Y. Filed June 21, 1944. Serial No. 471,492.

NELLIE MARTIN

FOR HAIRPINS AND BOB PINS.
Claims use since April 1941.

410,264. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LEONHARDT SWINGLE, doing business as Valley Date Gardens, Indio and Coachella, Calif. Filed July 11, 1944. Serial No. 472,130.

VALLEY DATE GARDENS

FOR FRESH DATES.
Claims use since October 1941.

410,265. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) DUNCAN AND HOVENDON, INC., New York, N. Y. Filed July 12, 1944. Serial No. 472,142.



FOR FABRICS IN THE PIECE—NAMELY, BROCATELLES, DAMASKS, AND BROCADES.
Claims use since Jan. 5, 1942.

410,266. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) H. PERKINS & SONS (CANADA) LIMITED, Montreal, Quebec, Canada. Filed July 15, 1944. Serial No. 472,292.

BILLGUARD

FOR BILLFOLDS.
Claims use since Jan. 11, 1943.

410,267. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) STANLEY KIMBER, doing business as The Kimber Company, Milltown, N. J. Filed July 25, 1944. Serial No. 472,610.

ZEEK

FOR SOLID CLEANER TO BE DISSOLVED IN WATER FOR PAINTED, VARNISH WALLS AND WOODWORK, WINDOWS, SHOW CASES, GLASS SURFACES, AUTOMOBILE RADIATORS, RUGS, CARPETS, CLOTHES, DISHWASHING, SILVERWEAR, BURNT POTS AND PANS, FIXTURES, TUBS, BASINS, AND TILE.
Claims use since Sept. 2, 1940.

410,268. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) THE ELLMORE SILVER COMPANY, INC., Meriden, Conn. Filed Aug. 30, 1944. Serial No. 473,728.

STERLING BY Ellmore

FOR HOLLOW WARE AND FLATWARE OR STERLING SILVER.
Claims use since Jan. 1, 1938.

410,269. (CLASS 37. PAPER AND STATIONERY.) FLETCHER PAPER COMPANY, Alpena, Mich. Filed Sept. 1, 1944. Serial No. 473,808.

ALPENA MANIFOLD

FOR PRINTING PAPER.
Claims use since Jan. 1, 1943.

410,270. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GENERAL DESSERTS CORPORATION, New York, N. Y. Filed Aug. 2, 1944. Serial No. 472,847.

BASTE-O

FOR FOOD PRODUCT IN PASTE FORM USED FOR BASTING AND FLAVORING MEATS AND POULTRY.
Claims use since Aug. 21, 1943.

TRADE-MARK REGISTRATIONS RENEWED

184,085. **"FULLVALVE" AND DRAWING.** CANNED FRUITS—NAMELY, BLACKBERRIES, RASPBERRIES, LOGANBERRIES, AND PEARS. Registered May 20, 1924. OLYMPIA CANNING COMPANY, Olympia, Wash., a corporation of Washington. Renewed May 20, 1944.

185,301. **BLUE BONNET.** FRESH CITROUS FRUIT, FRESH SATSUMAS, FRESH TANGERINES, FRESH ORANGES, FRESH GRAPEFRUIT, FRESH LEMONS. Registered June 10, 1924. BEN E. KEITH, Fort Worth, Tex. Renewed June 10, 1944, to The Texas Citrus Fruit Growers Exchange, Mission, Tex., a corporation of Texas, assignee.

186,074. **UTAH MAID.** CANNED TOMATOES. Registered July 1, 1924. THE UTAH CANNING COMPANY, Ogden, Utah, a corporation of Utah. Renewed July 1, 1944.

186,446. **SALLY-SMART.** WOMEN'S, MISSES', AND CHILDREN'S COATS, DRESSES, LINGERIE, AND MILLINERY—NAMELY, HATS FOR WOMEN, MISSES, AND CHILDREN. Registered July 8, 1924. LILLIE TREDWELL. Renewed July 8, 1944, to Sally Chain Stores, Inc, Chicago, Ill., a corporation of Delaware, assignee by mesne assignments.

187,209. **"PIERCE'S" AND DESIGN.** CANNED TOMATOES, HOMINY, SAUERKRAUT, PUMPKIN, AND PEAS; CANNED PORK AND BEANS, TOMATO PURÉE, TOMATO SOUP, TOMATO CATCHUP. Registered July 29, 1924. THE UTAH CANNING COMPANY, Ogden, Utah, a corporation of Utah. Renewed July 29, 1944.

188,952. **WHITE SHOWERS.** SPRINKLING EQUIPMENT FOR LAWNS, GARDENS, TRUCK GARDENS, GREENHOUSES. Registered September 9, 1924. WHITESHOWERS, INC., Detroit, Mich., a corporation of Michigan. Renewed September 9, 1944.

189,180. **IRON.** KRAFT PAPER. Registered September 16, 1924. STONE & FORSYTH COMPANY, Boston, Mass., a corporation of Massachusetts. Renewed September 16, 1944.

189,319. **"PLATINUM-GINGER".** FABRIC GLOVES AND KID GLOVES. Registered September 16, 1924. WIMELBACHER & RICE. Renewed September 16, 1944, to Newton J. Rice, doing business as Wimelbacher & Rice, New York, N. Y., assignee.

189,569. **REPRESENTATION OF A CIRCULAR TEMPLE.** MINERAL WATERS. Registered September 23, 1924. WHITE SULPHUR SPRINGS, INC., White Sulphur Springs, W. Va. Renewed September 23, 1944, to Phill A. McDaniel, Beckley, W. Va., assignee.

189,856. **GEORGIA BELLE.** CANNED PIMIENTO PEPPERS. Registered September 30, 1924. POMONA PRODUCTS COMPANY, Griffin, Ga., a corporation of Georgia. Renewed September 30, 1944.

189,896. **"PRETZ-STICKS" AND DRAWING.** BAKERY PRODUCTS OF A PRETZEL-LIKE NATURE. Registered September 30, 1924. PRETZ-STICKS BAKING COMPANY. Renewed September 30, 1944, to Holtzman's, Inc., Myerstown, Pa., a corporation of Pennsylvania, by change of name.

189,951. **UNIVERSAL.** BAKERS' OVENS, OPERATED BY COMBUSTIBLE FUELS. Registered September 30, 1924. WILLIAMS OVEN MANUFACTURING CO., New York, N. Y., a corporation of New York. Renewed September 30, 1944.

190,013. **"SNUGFIT" AND DESIGN.** HOSIERY AND UNDERWEAR OF KNITTED AND TEXTILE FABRICS FOR MEN, WOMEN, AND CHILDREN; GLOVES MADE OF LEATHER, RUBBER, OR FABRIC; CORSETS, BRASSIÈRES, SLIPPERS, AND SHOES MADE OF LEATHER, RUBBER, FABRIC, OR COMBINATIONS THEREOF. Registered September 30, 1924. A. KOMMEL & SONS, New York, N. Y., a firm. Renewed September 30, 1944.

190,095. **ZEROLENE VAC.** CRANK-CASE DRAIN-PLUG ADAPTER. Registered October 7, 1924. STANDARD OIL COMPANY, San Francisco, Calif. Renewed October 7, 1944, to Standard Oil Company of California, Wilmington, Del., and San Francisco, Calif., a corporation of Delaware, assignee.

190,096. **ZEROLENE.** CRANK-CASE DRAIN-PLUG ADAPTER. Registered October 7, 1924. STANDARD OIL COMPANY, San Francisco, Calif. Renewed October 7, 1944, to Standard Oil Company of California, Wilmington, Del., and San Francisco, Calif., a corporation of Delaware, assignee.

190,157. **NEMOLASTIK.** CORSETS, BRASSIÈRES, AND UNDERWEAR OF TEXTILE FABRIC FOR WOMEN. Registered October 7, 1924. KOPS BROS., INC., New York, N. Y., a corporation of New York. Renewed October 7, 1944.

190,317. **PULLMAN.** RAILWAY CARS. Registered October 14, 1924. THE PULLMAN COMPANY, Chicago, Ill., a corporation of Illinois. Renewed October 14, 1944.

190,465. **WONDER.** BANJO AND DRUM HEAD CLEANER. Registered October 14, 1924. JULIA D. NICOMDE, executrix of the estate of Jos. W. Nicomede, deceased, doing business as Nicomede Music Co., Altoona, Pa. Renewed October 14, 1944.

190,487. **RAINGARD.** OUTER SUITS AND OVERCOATS FOR MALES. Registered October 14, 1924. DRIESEN, MEYER & ORONSKY. Renewed October 14, 1944, to A. Starr & Co. Inc., New York, N. Y., a corporation of New York, assignee.

190,668. **ROMEX.** INSULATED ELECTRICAL WIRE AND CABLE. Registered October 21, 1924. ROME WIRE COMPANY, Rome, N. Y. Renewed October 21, 1944, to General Cable Corporation, New York, N. Y., a corporation of New Jersey, assignee.

190,936. **"WITTE" AND DESIGN.** INTERNAL-COMBUSTION ENGINES, DRAG-SAW OUTFITS, TREE-SAW OUTFITS, LOG AND TREE SAW OUTFITS, PORTABLE SAW OUTFITS, STATIONARY SAW OUTFITS, AIR COMPRESSORS, PUMPING OUTFITS, SPRAYING OUTFITS, AND CLUTCH PULLEYS. Registered October 28, 1924. WITTE ENGINE WORKS, Kansas City, Mo. Renewed October 28, 1944, to Oil Well Supply Company, Oil City, Pa., a corporation of New Jersey, assignee.

190,999. **MANUFACTURED WEATHER.** AIR-CONDITIONING, DRYING, AND VENTILATING EQUIPMENT, COMPRISING HUMIDIFIERS, DEHUMIDIFIERS, DRIERS, AND DUCTS, CONTROL BOARDS, AND DOORS FOR THE SAME. Registered October 28, 1924. CARRIER ENGINEERING CORPORATION, Newark, N. J. Renewed October 28, 1944, to Carrier Corporation, Syracuse, N. Y., a corporation of Delaware, assignee.

191,126. **"JULES RIVOLI & CIE" AND DESIGN.** BOTTLED AND TINNED ANCHOVIES, BOTTLED CAPERS, BOTTLED OLIVES, TINNED SARDINES, TINNED AND BOTTLED MUSHROOMS, TINNED AND BOTTLED MACEDOINES, TINNED SMOKED HERRINGS, TINNED PIMIENTOS, PÂTES DE FOIE GRAS IN TINS AND STONE POTS; HORS D'ŒUVRES CONSISTING OF A COMBINATION OF ANCHOVIES, PICKLES, SWEET RED PEPPERS, AND STUFFED OLIVES IN GLASS JARS, AND CERTAIN OTHER NAMED FOODS. Registered November 4, 1924. JULIUS WILE SONS & CO. Renewed November 4, 1944, to Julius Wile Sons & Co., Inc., New York, N. Y., a corporation of New York, assignee.

191,276. **PENWALD.** CANNED BERRIES AND CANNED FRUITS. Registered November 4, 1924. OLYMPIA CANNING COMPANY, Olympia, Wash., a corporation of Washington. Renewed November 4, 1944.

191,359. **JACK SPRAT.** CANE SUGAR, FRESH POTATOES, CANNED APPLES, SALTED PEANUTS, TOMATO PURÉE, CANNED SPAGHETTI, VEGETABLE SOUP, TOMATO SOUP, CANNED CHILE CON CARNE, YELLOW CORN MEAL, WHITE CORN MEAL, AND GRAHAM FLOUR, CHILI SAUCE. Registered November 4, 1924. WESTERN GROCER COMPANY, Marshalltown, Iowa, a corporation of Iowa. Renewed November 4, 1944.

191,360. **"JACK SPRAT" AND DRAWING.** ICE-CREAM CONES. Registered November 4, 1924. ROBERTS CONE MANUFACTURING COMPANY, St. Joseph, Mo. Renewed November 4, 1944, to Western Grocer Company, Marshalltown, Iowa, a corporation of Iowa, assignee.

191,363. **"BROADWAY MAID" ETC., AND DRAWING.** ICE-CREAM. Registered November 4, 1924. BRIDGEMAN-RUSSELL COMPANY, Duluth, Minn. Renewed November 4, 1944, to Consolidated Dairy Products Company, Inc., Long Island City, N. Y., a corporation of Delaware, assignee by mesne assignments.

192,634. **"ACKSHAND KNIT" AND DESIGN.** KNIT GLOVES. Registered December 9, 1924. THE BALLSTON KNIT GLOVE COMPANY, Ballston and Ballston Spa, N. Y. Renewed December 9, 1944, to Ackshand Knitting Co., Inc., Ballston Spa, N. Y., a corporation of New York, successor.

192,683. **REPRESENTATION OF THE GLOBE.** MANILA WRAPPING PAPER. Registered December 9, 1924. ATLAS PAPER COMPANY. Renewed December 9, 1944, to Atlas Paper Company, San Francisco, Calif., a corporation of California, successor.

192,706. **COLORDRIFT.** MINERAL-SURFACED ASPHALT SHINGLES AND MINERAL-SURFACED ASPHALT ROOFING. Registered December 9, 1924. THE FLINTKOTE COMPANY, Boston, Mass. Renewed December 9, 1944, to The Flintkote Company, New York, N. Y., a corporation of Massachusetts.

192,749. **"DANIELS NEW LIFE" AND DRAWING.** CLEANER AND POLISHER FOR WOOD, METAL, OR CLOTH. Registered December 9, 1924. FRED DANIELS, Wichita, Kans. Renewed December 9, 1944, to Hammel, Riglander & Co. Inc., New York, N. Y., a corporation of New York, successor.

193,235. **CLASS A O.** CANNED FRUITS. Registered December 23, 1924. OLYMPIA CANNING COMPANY, Olympia, Wash., a corporation of Washington. Renewed December 23, 1944.

193,388. **MARVEL.** FACE POWDER, TALCUM POWDER, BEAUTY CREAM, COLD CREAM, AND DENTAL CREAM. Registered December 30, 1924. THE WILLIAM A. WEBSTER COMPANY. Renewed December 30, 1944, to The William A. Webster Company, Memphis, Tenn., a corporation of Tennessee, successor.

193,397. **"KING" AND DESIGN.** METALLIC PACKINGS FOR PISTON AND OTHER RODS. Registered December 30, 1924. THE UNITED STATES METALLIC PACKING COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed December 30, 1944.

193,398. **"KING" AND DESIGN.** METALLIC PACKINGS FOR PISTON AND OTHER RODS. Registered December 30, 1924. THE UNITED STATES METALLIC PACKING COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed December 30, 1944.

193,418. **SHARPIT.** TOOL-GRINDING MACHINES. Registered December 30, 1924. DAZEY CHURN & MANUFACTURING COMPANY. Renewed December 30, 1944, to Dazey Corporation, St. Louis, Mo., a corporation of Missouri, by change of name.

193,633. **YUYU.** PERFUMES AND TOILET CREAMS. Registered January 6, 1925. JOHN WANAMAKER PHILADELPHIA, Philadelphia, Pa. Renewed January 6, 1945, to Associated Distributors, Inc., Chicago, Ill., a corporation of Illinois, assignee by mesne assignments.

193,711. **"SOLAR MILK CANS" AND DESIGN.** MILK CANS. Registered January 6, 1925. SOLAR-STURGES MFG. CO., Chicago, Ill. Renewed January 6, 1945, to Solar-Sturges Mfg. Co., Melrose Park, Ill., a corporation of Illinois.

193,852. **LIQUI-GLOVE.** PASTELIKE PREPARATION FOR COATING THE HANDS. Registered January 6, 1925. H. A. NACHTRIEB, doing business as Liqui-Glove Co. (Not Inc.), Chicago, Ill. Renewed January 6, 1945, to The Benjamin Ansehl Company, St. Louis, Mo., a corporation of Missouri, assignee.

193,939. **"MITY GUDE" AND DRAWING.** WHEAT FLOUR. Registered January 13, 1923. INTERNATIONAL MILLING COMPANY, Minneapolis, Minn. Renewed January 13, 1945, to International Milling Company, Wilmington, Del., a corporation of Delaware.

193,986. **WHITE BEAR.** WRAPPING PAPER. Registered January 13, 1925. FISHER BROS. PAPER COMPANY, Fort Wayne, Ind., a corporation of Indiana. Renewed January 13, 1945.

193,978. **"SWEET CROP" ETC. AND DESIGN.** SMOKING TOBACCO. Registered January 13, 1925. COHEN, WEENEN & CO. Renewed January 13, 1945, to Cohen, Weenen & Co., Limited, London, England, a corporation of the United Kingdom of Great Britain and Northern Ireland, assignee.

194,343. **"KINGFISHER BRAND F B P" AND DRAWING.** ARTICLES MADE WHOLLY OR IN PART OF PAPER: BAGS, BAKING CUPS, CORRUGATED PAPER BOXES, ICE-CREAM PAILS, ICE-CREAM CONES, ICE-CREAM DISHES, LARD CANS, LARD PAILS, OYSTER PAILS, LIQUID TIGHT CONTAINERS, WICKER BASKETS, DRINKING CUPS, DISHES, EGG CARTONS, EGG CARRIERS. Registered January 20, 1925. FISHER BROS. PAPER COMPANY, Fort Wayne, Ind., a corporation of Indiana. Renewed January 20, 1945.

194,476. **ROYAL PAR-KERRY.** MEN'S COATS, VESTS, PANTS, AND OVERCOATS. Registered January 27, 1925. ROSENBERG BROS. & CO. Renewed January 27, 1945, to Fashion Park, Inc., Rochester, N. Y., a corporation of New York, assignee by mesne assignments.

194,501. **"KINGFISHER BRAND F B P" AND DRAWING.** CLOTHESPINS (WOODEN), WASHBOARDS, AND WASHING MACHINES. Registered January 27, 1925. FISHER BROS. PAPER COMPANY, Fort Wayne, Ind., a corporation of Indiana. Renewed January 27, 1945.

195,243. **SILKOTE.** VARNISH. Registered February 17, 1925. GRAND RAPIDS VARNISH CORPORATION, Grand Rapids, Mich., a corporation of Michigan. Renewed February 17, 1945.

195,289. **DOUBLETITE.** CANS AND LIKE CONTAINERS. Registered February 24, 1925. AMERICAN CAN COMPANY, New York, N. Y., a corporation of New Jersey. Renewed February 24, 1945.

195,300. **V BAR.** GREENHOUSES. Registered February 24, 1925. WILLIAM H. LUTTON COMPANY, Jersey City, N. J. Renewed February 24, 1945, to Lord & Burnham Company, Irvington, N. Y., a corporation of New York, assignee.

195,338. **"UNION BANNER KRAFT" AND DRAWING.** PAPER BAGS. Registered February 24, 1925. UNION BAG & PAPER CORPORATION, New York, N. Y., a corporation of New Jersey. Renewed February 24, 1945.

195,340. **DRAGOON.** MEN'S COATS, VESTS, PANTS, AND OVERCOATS. Registered February 24, 1925. ROSENBERG BROS. & CO. Renewed February 24, 1945, to Fashion Park, Inc., Rochester, N. Y., a corporation of New York, assignee by mesne assignments.

195,384. **"HI-GRADE SMITH-ALSOP" ETC. AND DESIGN.** WOOD FILLER, ENAMELS, PAINTS AND VARNISHES. Registered February 24, 1925. THE SMITH-ALSOP PAINT & VARNISH COMPANY, Terre Haute, Ind., a corporation of Indiana. Renewed February 24, 1945.

195,424. **GINGER CHAMPAGNE.** NONALCOHOLIC, MALTLESS BEVERAGE SOLD AS A SOFT DRINK, NOW UNIVERSALLY KNOWN UPON THE MARKET AS "GINGER CHAMPAGNE". Registered February 24, 1925. THE MANITOU MINERAL WATER COMPANY, Manitou, Colo., a corporation of Colorado. Renewed February 24, 1945.

195,475. **"HIS MASTER'S VOICE" AND DRAWING.** RADIO APPARATUS, PARTS, AND APPURTENANCES—NAMELY, RADIO RECEIVING SETS, SOUND-AMPLIFYING HORNS HAVING TELEPHONE RECEIVERS, LOUD SPEAKERS, LOOPS, MICROPHONES, RADIO RECEIVING SETS MOUNTED OR CONTAINED IN CABINETS WITH TALKING MACHINES, RADIO RECEIVING SETS ADAPTED FOR COMBINATION WITH TALKING MACHINES, AND CERTAIN OTHER NAMED RADIO APPARATUS. Registered February 24, 1925. VICTOR TALKING MACHINE COMPANY, Camden, N. J. Renewed February 24, 1945, to Radio Corporation of America, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

195,504. **HIGH CHIEF.** CANNED FRUITS, CANNED BERRIES, AND CANNED VEGETABLES. Registered February 24, 1925. HUDSON & COMPANY. Renewed February 24, 1945, to Holley Canning Co. Inc., Holley, N. Y., a corporation of New York, assignee.

195,536. **"ARCHER" AND DRAWING.** CIGARETTE PAPER. Registered February 24, 1925. ROBERT FLETCHER & SON LIMITED, Stoneclough, near Manchester, England, a corporation of the United Kingdom. Renewed February 24, 1945.

195,538. **"IVY" AND DRAWING.** CIGARETTE PAPER. Registered February 24, 1925. ROBERT FLETCHER & SON LIMITED, Stoneclough, near Manchester, England, a corporation of the United Kingdom. Renewed February 24, 1945.

195,728. **MILNOR INC. IMPORTERS.** PRECIOUS AND SEMIPRECIOUS STONES AND GEMS, JEWEL ARTICLES OF MOUNTED BEADS, AND JEWELRY FOR PERSONAL WEAR, MOSTLY OF ORIENTAL ORIGIN, WATCHES BEING OMITTED. Registered March 3, 1925. MILNOR, INC., Los Angeles, Pasadena, Beverly Hills, Long Beach, Calif., and Honolulu, Hawaii. Renewed March 3, 1945, to Milnor, Inc., Los Angeles, Calif., a corporation of California.

195,760. **SNOW DOWN.** CAKES, COOKIES, FRIED CAKES, DOUGHNUTS, BREAD AND ROLLS. Registered March 3, 1925. GRENNAN CAKE CORPORATION, now by change of name Grennan Bakeries, Incorporated, Detroit, Mich. Renewed March 3, 1945, to Grennan Bakeries, Incorporated, Chicago, Ill., a corporation of Delaware.

195,825. **VICTROLA.** RADIO APPARATUS, PARTS, AND APPURTENANCES—NAMELY, RADIO RECEIVING SETS, SOUND-AMPLIFYING HORNS HAVING TELEPHONE RECEIVERS, LOUD SPEAKERS, LOOPS, MICROPHONES, RADIO RECEIVING SETS MOUNTED OR CONTAINED IN CABINETS WITH TALKING MACHINES, RADIO RECEIVING SETS ADAPTED FOR COMBINATION WITH TALKING MACHINES, AND CERTAIN OTHER NAMED RADIO APPARATUS. Registered March 3, 1925. VICTOR TALKING MACHINE COMPANY, Camden, N. J. Renewed March 3, 1945, to Radio Corporation of America, New York, N. Y., a corporation of Delaware, assignee, by mesne assignments.

195,880. **TOOTH PICK STAGE.** PARTS FOR SCAFFOLDING, LADDERS, AND THE LIKE, INCLUDING PLANKS THEREFOR. Registered March 3, 1925. THE JOHN S. TILLEY LADDER CO., INC., Watervliet, N. Y., a corporation of New York. Renewed March 3, 1945.

195,915. **F BRIDAL BOUQUET.** FINGER RINGS OF PRECIOUS METAL. Registered March 3, 1925. FRIEDMAN BROTHERS. Renewed March 3, 1945, to Friedman Ring Company, Chicago, Ill., a corporation of Illinois, assignee.

196,108. **ALBRO.** VINEGAR, PICKLES, SAUERKRAUT PACKED IN CANS AND IN WOOD BARRELS AND HALF BARRELS, CATCHUP, MUSTARD, JELLY, FRUIT PRESERVES, APPLE BUTTER, OLIVES, CANNED TOMATOES, MAYONNAISE, SALAD OIL, AND CHILI SAUCE. Registered March 10, 1925. ALTSHULER BROTHERS & COMPANY. Renewed March 10, 1945, to The Albro Packing Company, Youngstown, Ohio, a corporation of Ohio, assignee.

196,165. **REPRESENTATION OF A WIRE SPOOL WITH A RED FLAT ON EACH END.** BARBED WIRE. Registered March 10, 1925. KEYSTONE STEEL & WIRE COMPANY, Bartonville, Peoria, Ill. Renewed March 10, 1945, to Keystone Steel & Wire Company, Peoria (South Bartonville), Ill., a corporation of Illinois.

196,217. **MELLIER'S HAIRSTAY.** CREAM OR DRESSING FOR THE HAIR. Registered March 10, 1925. MELLIER COMPANY, PERFUMER, St. Louis, Mo., and New York, N. Y. Renewed March 10, 1945, to Mellier Company, Perfumer, New York, N. Y., a corporation of Missouri.

196,222. **KENLASTIC.** CORSETS, CORSET ELASTICS, BRASSIÈRES, AND BRASSIÈRE ELASTICS. Registered March 10, 1925. JAMES R. KENDRICK CO., INC., Philadelphia, Pa., a corporation of Pennsylvania. Renewed March 10, 1945.

196,304. **VALETERIA.** GARMENT PRESSING AND SHAPING MACHINES. Registered March 17, 1925. UNITED STATES HOFFMAN MACHINERY CORPORATION, New York, N. Y., a corporation of Delaware. Renewed March 17, 1945.

196,328. **FLORENTINE.** AWNING STRIPES AND TICKING MADE OF COTTON, LINEN, COTTON DAMASK, AND COMBINATIONS OF COTTON AND LINEN. Registered March 17, 1925. JOHN BOYLE & COMPANY, INCORPORATED, New York, N. Y., a corporation of New York. Renewed March 17, 1945.

196,388. **TEN-POINT.** EMBALMING FLUIDS. Registered March 17, 1925. NATIONAL CASKET COMPANY, INC., New York, and Long Island City, N. Y. Renewed March 17, 1945, to National Casket Company, Inc., Oneida, N. Y., a corporation of New York.

196,433. **COMPLEXIONETTE.** FACE POWDER AND ROUGE IN COMPACT FORM. Registered March 17, 1925. COLGATE & COMPANY. Renewed March 17, 1945, to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware, assignee.

196,476. **LADY ASTER.** CANNED FRUITS, CANNED VEGETABLES, AND OATMEAL. Registered March 17, 1925. THE STAPLES GROCERY, INC., Richmond, Va. Renewed March 17, 1945, to Sprague Warner-Kenny Corporation, Baltimore, Md., a corporation of Maryland, assignee.

196,477. **WESTRAY.** JEWELERS' SAMPLE CASES, TELESCOPE CASES, SALESMEN'S SAMPLE CASES, BUSINESS CARD CASES, POCKETBOOKS, MONEY BAGS, WARDROBE TRUNKS, STEAMER TRUNKS, TAXI-SIZE TRUNKS, GENERAL-PURPOSE TRUNKS, SAMPLE TRUNKS, JEWELERS' TRUNKS, BANKERS' WALLETS, POCKET KEY CASES, HAT TRUNKS, HAND BAGS, SUITCASES, GLADSTONE CASES, TRAVELING BAGS, AND CERTAIN OTHER NAMED ARTICLES OF BAGGAGE. Registered March 17, 1925. WESTERN TRAY & CASE COMPANY. Renewed March 17, 1945, to Alvin J. Zestermann, doing business as Western Tray and Case Company, Cincinnati, Ohio, successor.

196,521. **GRAEFFOLIN.** ADHESIVE PASTE. Registered March 17, 1925. THE ARABOL MF'G CO., New York, N. Y., a corporation of New York. Renewed March 17, 1945.

196,616. **"BLUE DIAMOND STEEL" AND DESIGN.** ROAD-GRADER BLADES, ROAD-DRAG BLADES, FRESNOR BUCK SCRAPER, DIGGING BLADES, ROAD PLANERS AND FINISHERS, MOLDBOARDS, CONCRETE-MIXER DRUMS, HOES, HARROW OR SCARIFIER TEETH, SCRAPER REPAIR BLADES, CUTTING EDGES, BOWLS, OR PARTS, CONCRETE AND OTHER MIXER PADDLES, BLADES OR STIRRING APPARATUS. Registered March 24, 1925. NORTHFIELD IRON COMPANY, Northfield, Minn., a corporation of Minnesota. Renewed March 24, 1945.

196,620. **ELTO.** MARINE ENGINES OF THE OUTBOARD TYPE USING GASOLINE FOR FUEL, AND PARTS THEREOF. Registered March 24, 1925. ELTO OUTBOARD MOTOR COMPANY. Renewed March 24, 1945, to Outboard, Marine & Manufacturing Company, Milwaukee, Wis., a corporation of Delaware, assignee by mesne assignments.

196,623. **"LOOKOUT" AND DESIGN.** BOILERS AND HOT-WATER TANKS. Registered March 24, 1925. LOOKOUT BOILER AND MANUFACTURING COMPANY, Chattanooga, Tenn., a corporation of Tennessee. Renewed March 24, 1945.

196,635. **"PONY".** CABINET CLAMPS. Registered March 24, 1925. ADJUSTABLE CLAMP COMPANY, Chicago, Ill., a corporation of Illinois. Renewed March 24, 1945.

196,670. **ZIV'S "WIZARD".** UNBREAKABLE TOOL STEEL. Registered March 24, 1925. ZIV STEEL AND WIRE COMPANY, Chicago, Ill., a corporation of Illinois. Renewed March 24, 1945.

196,671. **REPRESENTATION OF A DIAMOND.** NAIL EXPANSIONS, NAIL FASTENERS, AND NAIL ANCHORS. Registered March 24, 1925. DIAMOND EXPANSION BOLT CO., New York, N. Y. Renewed March 24, 1945, to Diamond Expansion Bolt Company, Incorporated, Garwood, N. J., a corporation of New Jersey, assignee.

196,672. **DIAMOND.** NAIL EXPANSIONS, NAIL FASTENERS, AND NAIL ANCHORS. Registered March 24, 1925. DIAMOND EXPANSION BOLT CO., New York, N. Y. Renewed March 24, 1945, to The Diamond Expansion Bolt Company, Incorporated, Garwood, N. J., a corporation of New Jersey, assignee.

196,680. **YANKEE.** RATCHET-HAND-TOOL HANDLES; HAND DRILLS; RATCHET HAND TOOLS; TOOLS FOR DRILLING BY HAND; SCREW DRIVERS; DRILL CHUCKS; DRILL BITS; BREAST DRILLS; CHAIN DRILLS; BENCH DRILLS; VISES; TAP WRENCHES; SCREW HOLDER ATTACHMENTS FOR SCREW DRIVERS; PUSH BRACES; BRAKE LINING CUTTERS; BELTING CUTTERS; RADIO TOOL SETS; AND BIT BRACES. Registered March 24, 1925. NORTH BRO'S M'F'G CO., Philadelphia, Pa., a corporation of Pennsylvania. Renewed March 24, 1945.

196,694. **"CANTOL" AND DESIGN.** BELT DRESSING AND WAX-IMPREGNATING COMPOUND FOR FABRICS AND BELTS—NAMELY, WATERPROOFING, PRESERVING, AND FILLING COMPOUNDS IN THE NATURE OF A BELT DRESSING. Registered March 24, 1925. CANTOL WAX CO., Bloomington, Ind., a corporation of Indiana. Renewed March 24, 1945.

196,695. **McBEE LEDGER, ETC.** STATIONERY, LETTER PAPER, LEAVES FOR LOOSE-LEAF FILES, PRINTED BLANKS, AND SIMILAR SHEETS OF BLANK PAPER. Registered March 24, 1925. THE McBEE BINDER COMPANY. Renewed March 24, 1945, to The McBee Company, Athens, Ohio, a corporation of Ohio, by change of name.

196,696. **ATHENIAN LEDGER.** STATIONERY, LETTER PAPER, LEAVES FOR LOOSE-LEAF FILES, PRINTED BLANKS, AND SIMILAR SHEETS OF BLANK PAPER. Registered March 24, 1925. THE McBEE BINDER COMPANY. Renewed March 24, 1945, to The McBee Company, Athens, Ohio, a corporation of Ohio, by change of name.

196,698. **"SUNSET MILLS" AND DESIGN.** TOILET PAPER, PAPER CRÊPE NAPKINS, WRAPPING PAPERS, AND WRAPPING TISSUE PAPERS, NOT INCLUDING FRUIT WRAPPERS. Registered March 24, 1925. STONE & FORSYTH COMPANY, Boston, Mass., a corporation of Massachusetts. Renewed March 24, 1945.

196,707. **IKURA.** SOAP. Registered March 24, 1925. MAUD M. FAIRBANKS, Worcester, Mass. Renewed March 24, 1945, to Maud M. Fairbanks, Brookfield, Mass.

196,915. **GOODWILL.** FRESH LEMONS. Registered March 31, 1925. GLENDORA LEMON GROWERS ASSOCIATION, Glendora, Calif., a corporation of California. Renewed March 31, 1945.

196,923. **NEAPOLITAN.** AWNING STRIPES AND TICKING MADE OF COTTON, LINEN, COTTON DAMASK, AND COMBINATIONS OF COTTON AND LINEN. Registered March 31, 1925. JOHN BOYLE & COMPANY, INCORPORATED, New York, N. Y., a corporation of New York. Renewed March 31, 1945.

196,925. **REPRESENTATION OF A BLACK COLORED TOP PORTION OF WIRE FENCING.** WIRE FENCE, INCLUDING FARM AND POULTRY FENCES. Registered March 31, 1925. KEYSTONE STEEL & WIRE COMPANY, Bartonville, Peoria, Ill. Renewed March 31, 1945, to Keystone Steel & Wire Company, Peoria, (South Bartonville), Ill., a corporation of Illinois.

196,927. **REPRESENTATION OF A YELLOW COLORED TOP PORTION OF WIRE FENCING.** WIRE FENCE, INCLUDING FARM AND POULTRY FENCES. Registered March 31, 1925. KEYSTONE STEEL & WIRE COMPANY, Bartonville, Peoria, Ill. Renewed March 31, 1945, to Keystone Steel & Wire Company, Peoria, (South Bartonville), Ill., a corporation of Illinois.

196,928. **REPRESENTATION OF AN ORANGE COLORED TOP PORTION OF WIRE FENCING.** WIRE FENCE, INCLUDING FARM AND POULTRY FENCES. Registered March 31, 1925. KEYSTONE STEEL & WIRE COMPANY, Bartonville, Peoria, Ill. Renewed March 31, 1945, to Keystone Steel & Wire Company, Peoria, (South Bartonville), Ill., a corporation of Illinois.

196,929. **REPRESENTATION OF A BLUE COLORED TOP PORTION OF WIRE FENCING.** WIRE FENCE, INCLUDING FARM AND POULTRY FENCES. Registered March 31, 1925. KEYSTONE STEEL & WIRE COMPANY, Bartonville, Peoria, Ill. Renewed March 31, 1945, to Keystone Steel & Wire Company, Peoria, (South Bartonville), Ill., a corporation of Illinois.

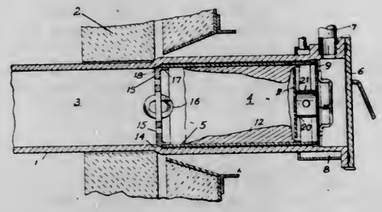
PATENTS

GRANTED NOVEMBER 14, 1944

2,362,440
APPARATUS FOR THE PRODUCTION OF METALLIC MAGNESIUM

MacNeil Edward Hertel, Haley, Ontario, Canada, assignor to Dominion Magnesium Limited, Toronto, Ontario, Canada, a corporation of Ontario

Application October 2, 1943, Serial No. 504,694
In Canada September 16, 1943
4 Claims. (Cl. 266—19)



1. Apparatus for the production of metallic magnesium by thermal reduction of magnesia containing material comprising a metallic retort having a reducing portion and a condensing portion, a removable sleeve within the condensing portion and an orifice plate within the retort between the reducing portion and the condensing portion, the orifice plate constituting a seat for the inner end of the sleeve and adapted to prevent the condensation of magnesium vapours in the area of said seat.

2,362,441
CANNING MEAT PRODUCTS

Lloyd B. Jensen and Walter R. Hess, Chicago, Ill., assignors to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware

No Drawing. Application March 4, 1942, Serial No. 433,294
6 Claims. (Cl. 99—187)

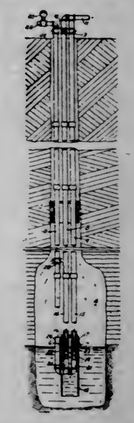
1. A process of inhibiting acid and gas formation in canned sugar-nitrate cured meats, which comprises incorporating lactose as essentially the only added sweetening ingredient in the product.

2,362,442
APPARATUS FOR FLOWING OIL OR GAS WELLS

Erlan C. Baily, Oklahoma City, Okla.

Application November 29, 1940, Serial No. 367,717
1 Claim. (Cl. 103—232)

Apparatus for utilizing natural bottom hole gas pressure to raise liquid from a well cavity to the earth's surface, comprising: a string of production tubing for conducting gas and oil from the well cavity to the earth's surface; packing means between said production tubing and the wall of the well forming a closed chamber below it for the accumulation of gas and liquid; a liquid atomizing jet positioned to discharge upwardly into the lower end of said production tubing; an open feeder pipe for continuously feeding gas from the space above the liquid in said closed chamber to said jet; and a conduit extending from the earth's surface through said packing means into said

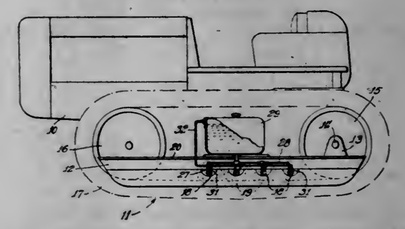


closed chamber, its open lower end extending well into the open upper end of said feeder pipe to form an injector.

2,362,443
LUBRICATING MEANS

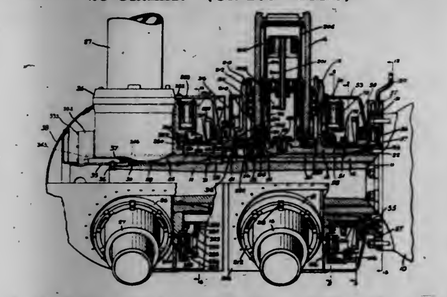
William O. Bechman, Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey

Original application June 16, 1941, Serial No. 398,206. Divided and this application October 26, 1942, Serial No. 463,353
3 Claims. (Cl. 184—7)



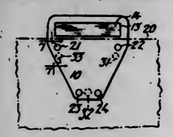
3. In a tractor of the track-laying type having a track frame, the combination with the housing and frame of a plurality of track roller means carried by the frame, each including a shaft carried by the frame and having a lubricant pocket and a pair of lubricant passages therein communicating with said pocket, a roller carried by each shaft and rotatable with respect to the frame, lubricant supply means comprising a reservoir carried by the track frame and adapted to contain lubricant, a plurality of conduit means connecting said means and one of each of the passages in the shafts to supply lubricant from the reservoir, and a plurality of conduit means connecting the reservoir above lubricant level and each of the other passages in the shafts and serving to vent the pockets in the shafts to the supply means.

2,362,444
PROPELLER MECHANISM
Werner J. Blanchard and Charles S. J. MacNeil, Dayton, Ohio, assignors, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application October 21, 1940, Serial No. 362,072
23 Claims. (Cl. 170—135.6)



1. A dual rotation propeller of the character described adapted to be driven from a pair of oppositely rotating drive shafts comprising a pair of hubs respectively associated in driven relation with said drive shafts and each provided with a plurality of blade sockets, propeller blades adjustably mounted in each of said sockets, the blades of one hub being of opposite pitch to those of the other hub, fluid pressure actuating means in each of said sockets for effecting adjustment of said blades to vary the pitch thereof, separate fluid pressure developing means in each hub to supply fluid under pressure to said actuating means within that hub, and means within each hub for controlling the application of the fluid pressure to the associated actuating means to effect adjustment of the pitch setting of the blades thereof the controlling means within one hub acting in response to changes in actual setting of the blades of the other hub.

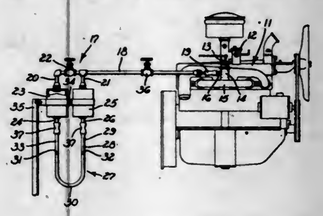
2,362,445
FASTENER
Clarence M. Blodgett, New York, N. Y.
Application December 20, 1941, Serial No. 423,718
7 Claims. (Cl. 24—153)



1. A paper clip comprising a piece of sheet metal having a medial fold line and bent thereon to provide opposite portions, each portion having therein an aperture, the apertures being out of registry, and a set of prongs projecting inwardly from the boundary edge of each aperture, the prongs of each set having their points expanded or turned outwardly.

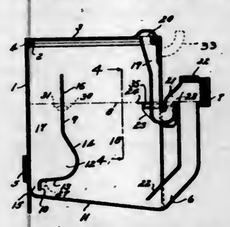
2,362,446
APPARATUS FOR INDICATING PRESSURE CHANGES OVER TIME INTERVALS
Albert G. Bodine, Jr., Burbank, Calif., assignor to The Calpat Corporation, Los Angeles, Calif., a corporation of California
Application June 9, 1941, Serial No. 397,251
13 Claims. (Cl. 73—116)

1. In a device for indicating differences in fluid pressure in a plurality of pressure sources, the combination of: a receptacle; primary conduit means connected to said receptacle; a plurality of branch conduit means connected to said primary conduit means, one branch conduit means communicating with each pressure source; valve means in said primary conduit means; a



pressure responsive means communicating with said receptacle; secondary conduit means connecting said pressure responsive means to said primary conduit means between said valve means and said branch conduit means; valve means in each of said branch conduit means; and means for withdrawing fluid from said receptacle.

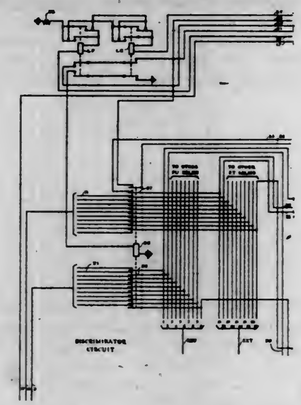
2,362,447
GREASE INTERCEPTOR
Edward W. N. Boosey, Detroit, Mich.
Continuation of application Serial No. 332,169, April 29, 1940. This application September 30, 1943, Serial No. 504,499
11 Claims. (Cl. 210—56)



1. In a grease interceptor, a chambered body having an inlet on one side near the bottom and an outlet on the opposite side opening to the body near the bottom and arranged to determine the minimum liquid level therein, a partition adjacent the inlet having a recess in its face opposite the inlet, the bottom wall of the recess being practically aligned with the lower side of the inlet, and a bottom edge extending to close spaced relation with and below the inlet and spaced from the bottom of the body, said recessed portion receiving the liquid discharging into the body and shaped to deflect the same upwardly between the partition and the wall on the inlet side of the body by force of inflow whereby the lighter oils and greases may have opportunity to rise to the surface and the liquid and water thus freed of matter having less specific gravity may pass beneath the partition to the outlet.

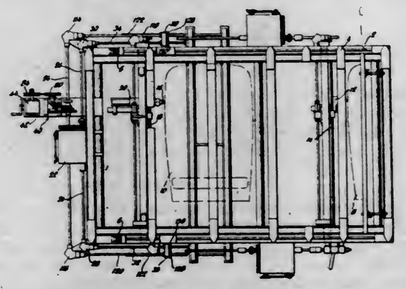
2,362,448
CROSSBAR SWITCH SYSTEM
Theron Lorimer Bowser, Rochester, N. Y., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y., a corporation of New York
Application September 26, 1942, Serial No. 459,764
11 Claims. (Cl. 179—27.54)

1. In a telephone system, a cross-bar switch, lines, double ended link circuits, contact sets in said switch, movable bars in said switch arranged in three intersecting planes, means for selectively operating a bar in each plane for selectively operating certain ones of said contact sets for selectively connecting one end of said link circuits



to said lines, and means for selectively operating a bar in each plane for selectively operating certain others of said contact sets for selectively connecting the other end of said link circuits to said lines.

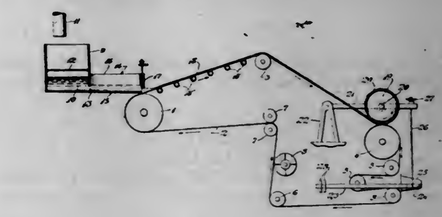
2,362,449
VARIABLE FEED MECHANISM
Tracy F. Brackett, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 20, 1941, Serial No. 379,775
11 Claims. (Cl. 90—13.5)



1. In model reproducing mechanism, a movable means, tracing and cutting means mounted on said movable means, driving means for moving said movable means controlled by the tracing means and superposed auxiliary driving means connected to simultaneously drive the movable means.

2,362,450
METHOD FOR MAKING FRICTION MATERIALS
Loring H. Chappel, Bridgeport, Conn., assignor to Raybestos-Manhattan, Inc., Passaic, N. J., a corporation of New Jersey
Application September 16, 1940, Serial No. 356,955
3 Claims. (Cl. 92—39)

1. A process of making a felted fibrous web adaptable for use in forming friction elements, which comprises, agitating without substantially beating a mixture comprising asbestos fibers, fillers and water to form an aqueous stock suspension having a solids content between about 4 and 14%, the solids content and extent of agitation of said stock being such as to produce a suspension in which the fibers are clotted, flowing the agitated but substantially unbeaten stock suspension onto the top of an endless travelling felt blanket to form a layer of stock thereon, carrying said suspension freely throughout its travel on said blanket and in the absence of surface modification treatment to cause formation of a web having an uneven and lumpy surface, subjecting said web while carried on said blanket to suction to remove a predetermined amount of moisture from the web without materially affecting the uneven or lumpy character of the web surface, winding said web upon a make-up roll and thereat initially applying rolling pressure to said web during the winding operation to form a substantially nonlaminar composite web of predetermined thickness, and stripping said composite web from said make-up roll.



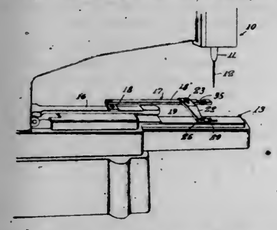
2,362,451
FERMENTATION PROCESS FOR PRODUCTION OF ETHANOL
Leo M. Christensen, Miller, Nebr., assignor of one-third to Frank L. Robinson, Kearney, Nebr., and one-third to John L. Ledbetter, Jr., Scarsdale, N. Y.
No Drawing. Application September 2, 1941, Serial No. 409,315
2 Claims. (Cl. 195—13)

1. A process for the production of ethanol comprises adding a mold bran obtained by growing *Aspergillus oryzae* on wheat bran to a molasses solution, about 5 parts by weight of the mold bran being added for every 100 parts by weight of the molasses, inoculating the resulting treated molasses solution with *Saccharomyces cerevisiae* at a temperature of about 30° C. within three hours of the addition of the mold bran, allowing the mixture to ferment for 48 to 72 hours at about 30° C., and removing the ethanol by distillation.

2,362,452
MECHANISM FOR HOLDING UMBRELLA COVER TIPS IN STITCHING POSITION
Martin M. Cohn, Brooklyn, N. Y., assignor to Michael M. Scharf, Long Beach, N. Y.
Application July 13, 1940, Serial No. 345,319
5 Claims. (Cl. 112—114)

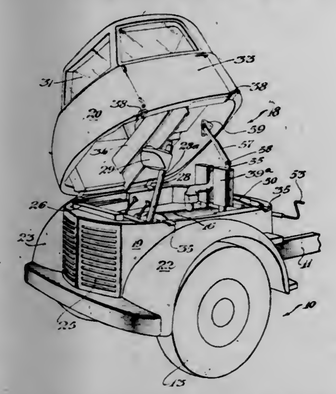
1. Mechanism for holding umbrella cover tips during machine stitching by a laterally vibratory needle including a pivotally mounted lever, an L-shaped bracket secured to said lever and laterally spaced from the said needle to provide for manipulation of cover material by the operator, means for attaching one arm of said bracket to said lever with the other arm thereof extending toward the path of said vibratory needle, an offset arm connected to said second arm to engage

the bed plate of the machine adjacent said needle path, and a tip receiving element attached to said



offset arm and extending toward said needle path to fixedly support a tip in one end of said path.

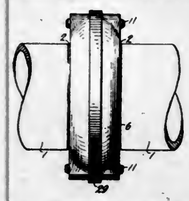
2,362,453
VEHICLE CAB
Dale L. Cosper, Auburn, Ind., assignor to International Harvester Company, a corporation of New Jersey
Application October 25, 1941, Serial No. 416,569
8 Claims. (Cl. 180—54)



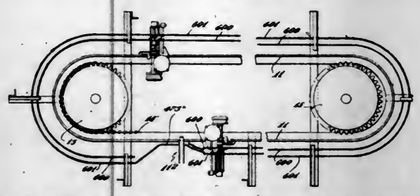
1. A cab construction for an automotive vehicle frame comprising in combination a lower cab section mounted on the frame, said section terminating in a substantially horizontal plane above said frame, a motor carried by the frame within said lower cab section, an upper cab section positioned above the lower cab section, removable hinge means connecting opposite sides of the cab with the opposite sides of the lower cab section, said removable hinge means being so positioned and arranged that the upper cab section may be moved sideways in either direction with respect to the lower cab section, and means carried by the lower cab section and operably connected to the upper cab section for moving said upper section.

2,362,454
PIPE COUPLING
William B. Damsel, Scarsdale, N. Y.; Nelle Hood Damsel executrix of said William B. Damsel, deceased
Application July 16, 1941, Serial No. 402,578
1 Claim. (Cl. 285—129)

A pipe coupling for joining pipe ends of the type wherein the coupling is applied by means of a compression tool, a resilient annular gasket engaging the abutting ends of the pipes to be joined; a housing made up of segmental sections surrounding the gasket, said sections adapted to be drawn together to an extent within the limits of the resiliency of said gasket; tongues and grooves at the extremities of the housing sections for joining said sections together, said tongues and the walls defining said grooves having apertures therein registering only when compressive force is applied to the housing sections to compress the gasket so that the sections are drawn to their final position on the pipes in forming the pipe joint; locking pins insertable in said apertures only when said apertures are in a registering position; and means on the periphery of the housing sections engageable by the compression tool in applying compressive force to said sections, the arrangement being such that the resilient action of the compressed gasket normally tending to move the housing sections apart binds the locking pins in the apertures, whereby to prevent said pins from becoming loose and releasing said sections.



2,362,455
WINDING MACHINE
Edward J. Abbott and Winthrop L. Perry, Wilton, N. H., assignors to Abbott Machine Company, Wilton, N. H., a corporation of New Hampshire
Application May 28, 1943, Serial No. 488,872
5 Claims. (Cl. 242—32)

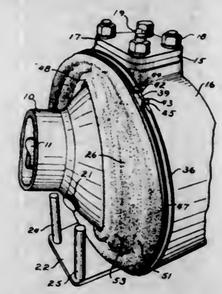


1. A winding machine having therein, in combination, a plurality of filling winding units each including a thread-traversing means, an abutment for cooperating with said plurality of filling winding units, and means for causing a relative traveling movement between said plurality of filling winding units and said abutment, said abutment being shaped and located to act on the thread-traversing means of the several units to define a progressive shifting of the zone of traverse from the base to the tip of the filling winding package during said relative traveling movement.

2,362,456
STEERING DRIVE AXLE
Herbert W. Alden, Detroit, Mich., assignor to The Timken-Detroit Axle Company, Detroit, Mich., a corporation of Ohio
Application February 9, 1942, Serial No. 430,129
15 Claims. (Cl. 280—96.1)

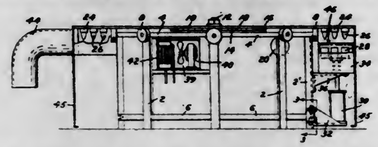
1. In a lubricated joint, an inner member and an outer member having nested portions pivotally interconnected by spaced trunnions and providing an annular opening therebetween; means for sealing said opening in all pivoted positions

of said members, comprising an annular flexible element having its marginal edges secured to said members along annular zones of engagement, the latter being so disposed when said members are in neutral position as to intersect a common plane located substantially parallel to the



pivotal axis of said members, said flexible element having means adjacent said trunnions to facilitate twisting, and having additional means intermediate said trunnions to facilitate stretching in response to relative pivotal movement of said members.

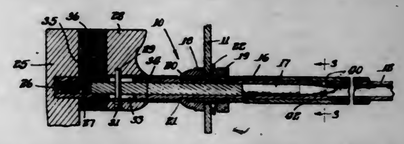
2,362,457
COATING MACHINE
Andrew T. Anderson, Dover, N. J.
Application July 16, 1942, Serial No. 451,191
1 Claim. (Cl. 91—46)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



In a machine for coating articles, in combination, a table provided with means for suspending a plurality of said articles and means mounting the table for rotation about a vertical axis, a container for a coat-forming substance non-rotatively disposed beneath the table, the said container being adapted to accommodate the suspended articles in a predetermined portion of the table, means to effect relative rotary movement between the table and container to bring the suspended articles and said container in cooperating relation, means to effect a relative vertical movement between the table and container to dip the suspended articles in the coat-forming substance of the container, said table being provided with openings to hold the articles, and further provided with bushings received in said opening adapted to the particular size of said articles.

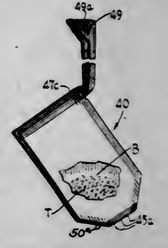
2,362,458
CONTROL MECHANISM
Charles A. Arens, Chicago, Ill., assignor to Arens Controls, Inc., Chicago, Ill., a corporation of Illinois
Application May 3, 1941, Serial No. 391,631
12 Claims. (Cl. 74—503)

1. A control mechanism comprising a frame member adapted to be secured to a support, an elongated operating member axially shiftable within the frame member and adapted to be connected to a device to be controlled, and holding means for releasably holding the operating member from movement with respect to the frame member, said holding means comprising a shiftable control member shiftable within the frame member and having an inclined cam surface, a holding element shiftable along and con-



trolled by said surface, said holding element being of increased holding effectiveness upon an outward movement thereof, and a handle secured to the control member for effecting the shifting thereof, said cam surface being of decreased effectiveness in a direction extending away from said handle.

2,362,459
INFUSION PACKAGE AND THE MANUFACTURE THEREOF
Louis Barnett, Brooklyn, N. Y., assignor, by mesne assignments, to National Urn Bag Co., Inc., Long Island City, N. Y., a corporation of New York
Application February 7, 1942, Serial No. 429,893
20 Claims. (Cl. 99—77.1)

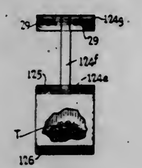


10. An infusion package of the character described comprising an elongated bag of filtering sheet material formed with an edge border closure seam extending lengthwise of the bag, an essence containing product enclosed in said bag, a fold extending across a mid-portion transverse the long dimension of the bag, and an integral segment-handle for suspending the package in brewing transformed from split portions of said edge border seam while retaining the closure thereat intact.

2,362,460
INFUSION PACKAGE AND THE MANUFACTURE THEREOF
Louis Barnett, Brooklyn, N. Y., assignor to Millie Patent Holding Co., Inc., a corporation of New York
Application February 7, 1942, Serial No. 429,894
7 Claims. (Cl. 99—77.1)

3. An article of the character described comprising an infusion package having a flattened tubular bag structure formed of a strip of filtering sheet material with a single "lapped angle" joint seam extending centrally along the length of a flat side thereof and top and bottom closures, a dissoluble product enclosed in said bag structure, said seam joint having a through-slit ex-

tending along a mid-portion thereof from the bottom closure short of complete severance at the

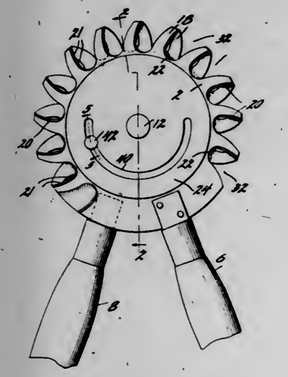


top closure to provide an integral handle while retaining said top, bottom and seam joint closures intact.

2,362,461

HEDGE CUTTER

Ralph Hamilton Beach, Rockdale, Md.
Application March 23, 1943, Serial No. 480,233
8 Claims. (Cl. 30—214)



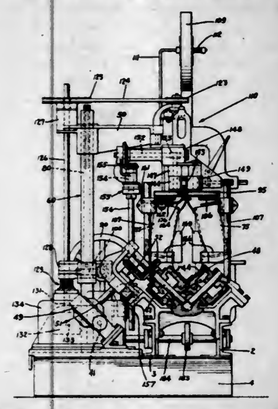
8. In a cutter, a pair of juxtaposed contacting discs disposed to turn upon each other and about a common axis and means for producing shearing effect on objects to be cut, said means comprising a plurality of peripheral cutting teeth on each disc equidistant from the axis of turning, a spring disc upon the outside of at least one of said first-named discs extending close to the gullets of the teeth on said first-named discs, and tightening means for holding said discs in operative position.

2,362,462

BAG CLOSING MACHINE

Daniel Belcher, Minneapolis, Minn., and Frank R. Linda, St. Louis, Mo., assignors to Bemis Bro. Bag Co., Minneapolis, Minn., a corporation of Missouri
Application April 8, 1940, Serial No. 328,518
9 Claims. (Cl. 226—56)

6. In a machine of the class described, a conveyer for the bags comprising a pair of longitudinally extending flat belts having their adjacent runs angularly disposed and cooperating to provide a conveyer of trough-shape cross-section, means at one end of the conveyer for delivering filled bags thereto, a pair of endless side belts having their inner runs adapted to engage opposite sides of the bag bodies to shape them, the inner runs of said side belts gradually inclining inwardly toward each other transversely to the direction of travel of the side belts from the re-



ceiving end of the conveyer, thereby to press the upper portions of opposed walls of the bag top into closer relation.

2,362,463

PROCESS OF PRODUCING CARBON AND ACTIVATING THE SAME, AND PRODUCTS THEREOF

Robert M. Boehm and Horace E. Hall, Laurel, Miss., assignors to Masonite Corporation, Laurel, Miss., a corporation of Delaware
Application March 16, 1940, Serial No. 324,442
6 Claims. (Cl. 252—267)

1. Process for producing carbon material comprising the steps of providing a supply of loosely subdivided, fibrous, ligno-cellulose material, subjecting said material to steam at an elevated pressure for a sufficient time to eliminate substantially all original fiber structure, disintegrating such treated material into a mass of particles, partially drying the mass of particles in such manner and to such extent that the greater proportion of water is removed and most of the water soluble material formed during the heat treatment is retained therein, cold-compressing said particles, drying the material at such temperatures and for such a period of time as to cause material shrinkage and as to avoid any substantial occurrence of cracks and fissures therein on said drying and on further heating, and carbonizing the compressed material in the substantial absence of oxygen.

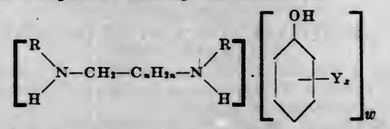
3. Process for producing activated carbon which comprises the steps of providing a supply of coarsely subdivided, fibrous, ligno-cellulose material, subjecting said material to steam at an elevated pressure for a sufficient time to eliminate substantially all original fiber structure, disintegrating such material into a mass of particles, partially drying the mass of particles in such manner and to such extent that the greater proportion of water is removed and most of the water soluble material formed during the heat treatment is retained therein, cold compressing said particles, drying said compressed material at such temperatures and for such a period of time as to cause material shrinkage and as to avoid any substantial occurrence of cracks and fissures therein on said drying and on further heating, carbonizing the material by subjecting same to carbonizing temperatures in the substantial absence of oxygen, and subjecting the carbonized material to activating conditions.

2,362,464

AMINE SALTS OF POLYHALO-PHENOLS

Edgar C. Britton and John N. Hansen, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application April 30, 1941, Serial No. 391,092
7 Claims. (Cl. 260—583)

1. A compound having the formula:

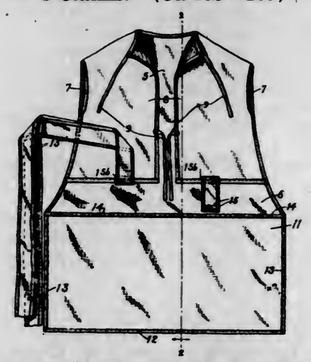


wherein R represents a member of the group consisting of alkyl, alkenyl, hydroxy-alkyl, cycloalkyl, and aralkyl radicals and hydrogen, Y represents halogen selected from the group consisting of chlorine and bromine, n is an integer from 1 to 9, inclusive, x is an integer from 2 to 5, inclusive, and w is an integer not greater than 2.

2,362,465

COMBINATION FOR SUPPORTING, RESTRAINING, AND PROTECTING A CHILD WHEN SEATED AT A TABLE

George Maiden Carner, Baltimore, Md., assignor to George Earl McKewen, Sr., Baltimore, Md.
Application November 12, 1941, Serial No. 418,798
3 Claims. (Cl. 155—189)



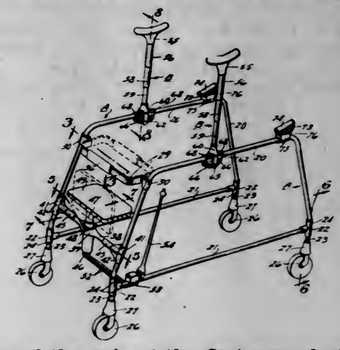
1. In a combined protecting and restraining device, for use on a person in a chair having a food-table supported and secured in position on a front part thereof, the combination of a body-garment having arm-holes and including a bib and a table-cover and adapted to receive and cover the chest and shoulders of said person when seated on the seat of said chair and to cover said food-table, and means united with said body-garment at points below the level of said arm-holes and provided with means for being secured to and disconnected from substantially opposite lower parts of said chair in a proper relation below said seat to restrain said person from rising and to permit said person's chest and shoulders to have free movement towards and from said food-table.

2,362,466

WALKER AND REJUVENATOR FOR PHYSICALLY DISABLED PERSONS

Frank E. Carter, Minneapolis, Minn.
Application September 8, 1941, Serial No. 409,961
24 Claims. (Cl. 155—22)

15. In a crutch-equipped walker, a pair of side frames laterally spaced to receive an operator therebetween and each equipped with front and rear wheels, a tie bar extending between and connecting the side frames at their rear end portions for relative turning movements about the axis of the tie bar, said tie bar including relatively rotatively engaged sections, a hand grip on the front end portion of each side frame and located for gripping by the hands of an operator disposed in a substantially erect position, a crutch anchoring saddle pivotally anchored to each side frame rearwardly of the hand grips and on an axis extending longitudinally of the side frames, a crutch pivoted to each saddle on an axis extending trans-

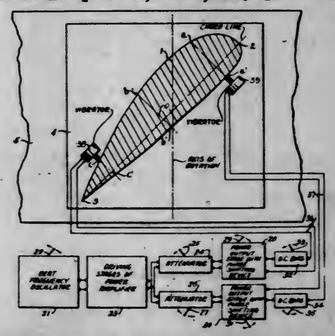


versely of the axis of the first named pivot, co-operating stops on the saddles and side frames positively limiting pivotal movements of the saddles, and co-operating stops on the crutches and saddles positively limiting pivotal movements of the crutches with respect to the saddles, said crutches each comprising longitudinally slidably engaged upper and lower sections, stop means limiting extending movements of the slidably engaged crutch sections, and yielding means tending to extend the crutch sections, the upper of said crutch sections being free for limited rotary movements with respect to the lower crutch section on the longitudinal axis of the crutch.

2,362,467

EXCITATION OF VIBRATION IN STRUCTURAL MEMBERS

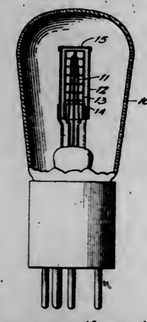
James Clark, Dayton, Ohio
Application November 18, 1941, Serial No. 419,623
16 Claims. (Cl. 73—67)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. The method of determining the torsional vibration characteristics of a structural member, comprising selecting the approximate location of a torsional axis of said member, applying a vibrating couple about said axis, measuring the vibra-

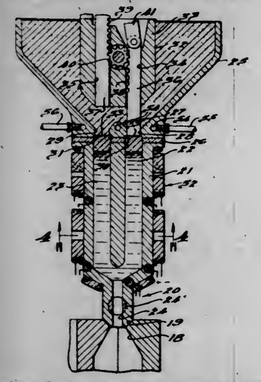
tion amplitudes at various stations on various sections normal to said axis for various vibration frequencies, determining from the values of said amplitudes the actual location of said torsional axis and a nodal point thereon for a particular mode of torsional vibration, and then applying said vibrating couple substantially symmetrically about said axis at a section removed from said nodal point to produce pure torsional vibration free of bending.

2,362,468
GETTER
Richard U. Clark, Fort Wayne, Ind., assignor to Fansteel Metallurgical Corporation, North Chicago, Ill., a corporation of New York
Application September 27, 1941, Serial No. 412,601
7 Claims. (Cl. 250—27.5)



1. In a high vacuum thermionic tube having a cathode and an anode, a getter element consisting of a self-supporting, sintered, porous body including a refractory metal from the Fourth and Fifth Groups of the Periodic Table.

2,362,469
INJECTION MOLDING APPARATUS
Walter P. Cousino, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application September 10, 1941, Serial No. 410,233
6 Claims. (Cl. 18—30)



4. Apparatus for injecting plastic-like material comprising a hopper for such material, a nozzle having a discharge passage, a passageway communicatively connecting said nozzle discharge passage and said hopper, means for displacing said material from said hopper and forcing it through said nozzle discharge passage, mechanism for driving said displacing means, a valve for controlling the flow of plastic-like material through said nozzle discharge passage, a control for said driving mechanism, and means interconnecting said valve and said driving mechanism control so constructed and arranged as to shift the latter to render said driving mechanism operative and inoperative when said valve is opened and closed respectively.

2,362,470
ARTIFICIAL LINE AND METHOD OF MAKING SAME
Louis A. De Rosa, Staten Island, N. Y., assignor to Federal Telephone and Radio Corporation, a corporation of Delaware
Application August 8, 1942, Serial No. 454,198
15 Claims. (Cl. 178—45)



1. An artificial line comprising a laminated body including strips of high permeability material, conducting material, and insulating material, the strip of insulating material being interposed between the strips of the other two materials, said strip of conducting material being grounded, and the strip of high permeability material having means connectable in a circuit at spaced points therealong.

2,362,471
PARASITICIDE
Robert R. Dreisbach and Fred W. Fletcher, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application December 16, 1941, Serial No. 423,178
5 Claims. (Cl. 167—32)

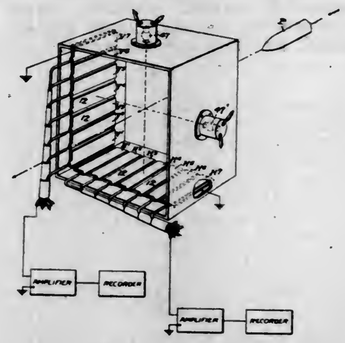
1. An insecticidal composition comprising as an active toxicant an alkyl-substituted mononitro-naphthalene and a carrier therefor.

2,362,472
FUMIGANT MIXTURES
Robert R. Dreisbach and Fred W. Fletcher, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application June 1, 1942, Serial No. 445,392
3 Claims. (Cl. 167—39)

1. A method for controlling insects and related parasites comprising the step of exposing such organism to the vapor of a fumigant composition comprising a mixture of methyl bromide and monomeric methyl isopropenyl ketone as the major toxic ingredient.

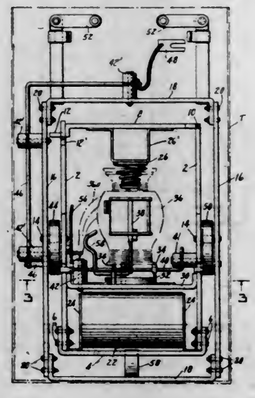
2,362,473
RECORDATION OF THE PATH OF MOVABLE BODIES
James V. Dunham, Southampton, Pa.
Application December 10, 1941, Serial No. 422,410
4 Claims. (Cl. 177—311)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. Apparatus for determining the position of a body moving in space comprising two sets of photosensitive strips disposed so that the strips of each set lie parallel to each other in a common plane and the plane of one set is perpendicular to the plane of the other set, means for projecting an image of said moving body on the plane of each set of strips, the path of said images



being substantially parallel to said strips, means for maintaining the strips of both sets insulated from one another and in spaced relationship, and separate electrical indicating means associated with the strips of both sets.

2,362,474
ELECTROPLATING APPARATUS
Charles W. Elsenheimer, Meriden, Conn., assignor to Manning, Bowman & Co., Meriden, Conn., a corporation of Delaware
Application July 25, 1941, Serial No. 403,949
10 Claims. (Cl. 204—297)

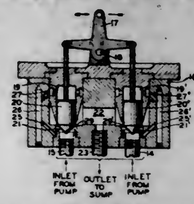


9. An apparatus for electroplating an article of hollow-ware comprising an electrolytic bath, a frame adapted to be lowered into and lifted from the bath, support means for the hollow-ware mounted on said frame and pivotable with respect thereto, and means responsive to the immersion of said frame into the electrolytic bath for adjusting said support means to a position to support the article in upright position when within the bath and responsive to removal from the bath for adjusting the support means to a position to support the article in inverted position.

2,362,475
FUMIGANT
Fred W. Fletcher and Robert R. Dreisbach, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application June 1, 1942, Serial No. 445,391
6 Claims. (Cl. 167—39)

1. A method for controlling insects and related parasites comprising the step of exposing such organisms to the vapor of a fumigant composition comprising monomeric methyl isopropenyl ketone as a major toxic ingredient.

2,362,476
BALANCED VALVE STRUCTURE
Carl A. Frische, Great Neck, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Original application October 19, 1940, Serial No. 361,860. Divided and this application June 17, 1943, Serial No. 491,103
7 Claims. (Cl. 251—20)



1. A fluid controlling balanced valve having a valve body with inlet and outlet openings and including an open-ended cylinder, a slidable valve piston in said cylinder having a conically tapered head, a conical seat for said piston positioned in said body, an annular passage between said seat and said head through which fluid flows in passing from the inlet to the outlet openings, a duct connecting an intermediate point of said passage with the rear of the valve piston, and means for moving said valve piston.

2,362,477
AZO DYESTUFF
Joseph F. Froning, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 12, 1943, Serial No. 490,642
3 Claims. (Cl. 260—159)

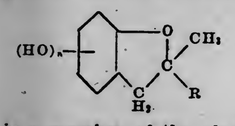
1. The scarlet dyestuff represented by the formula 3-amino-toluene-6-sulfonic acid→ortho-anisidine→meta - amino - phenyl - pyrazolone-carboxylic acid→meta-amino-benzoyl-J-acid.

2,362,478
REAGENT FOR TESTING FOR ACETONE
Alexander Galat, New York, N. Y., assignor to The Denver Chemical Manufacturing Company, New York, N. Y., a corporation of Colorado
No Drawing. Application December 24, 1941, Serial No. 424,303
9 Claims. (Cl. 23—230)

1. A reagent which, when a drop of solution containing acetone is applied thereto, will give a color reaction observable by reflected light, said reagent consisting of a dry mixture of a powdered anhydrous soluble nitroprusside, granular anhydrous sodium carbonate and granular anhydrous ammonium sulfate.

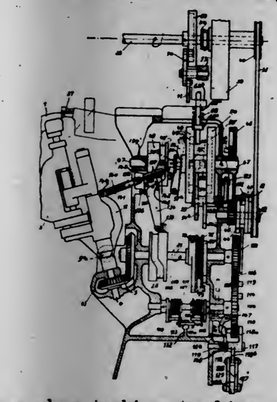
2,362,479
ANTIOXIDANT FOR RUBBER
Carlin F. Gibbs, Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application August 4, 1943, Serial No. 497,365
11 Claims. (Cl. 260—800)

1. The method of retarding the deterioration of an organic compound which tends to deteriorate by absorption of oxygen from the air which comprises treating it with a compound having the structure



in which R is a member of the class consisting of hydrogen and alkyl groups and n is an integer less than three.

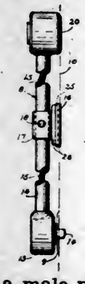
2,362,480
SHOE TACKING MACHINE
Walter Gleissner, Weissenfels-Saale, Germany; vested in the Alien Property Custodian
Application September 23, 1940, Serial No. 357,954
In Germany July 7, 1939
23 Claims. (Cl. 1—19)



1. In a shoe tacking machine, the combination with a work support; an edge rest against which the work is held; and a constant power drive; of an oscillatory shaft connected with the work support; a countershaft; a normally disconnected clutch between the power drive and the countershaft; means operable by the countershaft to advance the oscillatory shaft and work support alternately in either direction from their normal intermediate or starting positions; an intermittently actuated control mechanism; means operable by the control mechanism to determine the direction of advance of the oscillatory shaft; said control mechanism effective to restore the direction-determining means to its normal intermediate position subsequent to each advance of the oscillatory shaft.

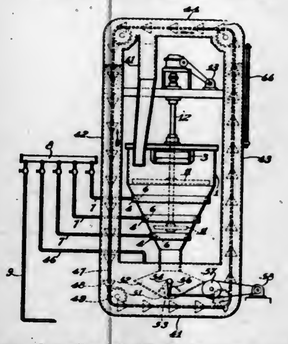
2,362,481
ELECTRICAL EXTENSION
Henry Hartmann, Chicago, Ill.
Application February 6, 1943, Serial No. 474,914
1 Claim. (Cl. 174—69)

In an article of the character described, telescopic conduit means comprising, two telescopic members slidably secured to clamping means, the said telescopic members provided with longitudinally coincident slotted portions closed on opposed ends with respect to their respective assemblage, said clamping means comprising, a clamp bracket member securable to a wall, clamp screw means secured to the said clamp bracket member having pilot means operable within the said coincident slotted portions, check screw means secured to the said clamp bracket member adapted to limit the movement of the said



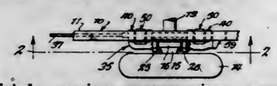
clamp screw means, a male plug secured to one end of the said telescopic conduit means, a female receptacle secured to the other end of said telescopic conduit means, the said male plug and the said female receptacle being in oppositely disposed relationship, and electrical connecting means of sufficient length confined within the said telescopic conduit means connecting the said male plug to the said female receptacle.

2,362,482
APPARATUS FOR SEPARATING PARTICULATE MATERIALS
Mack E. Haworth, Pittsburgh, Pa.
Application September 21, 1939, Serial No. 295,923
4 Claims. (Cl. 209—173)



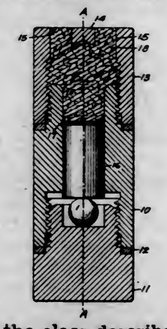
1. Heavy density fluid flotation apparatus for separating the sinks from the floats of particulate materials, comprising a hopper for a heavy density fluid and having a downwardly facing opening in its bottom for the substantially unimpeded fall of sinks from particulate material in the hopper, a chamber below said hopper opening for receiving the sinks therefrom, a concave plate disposed in said chamber below said opening in the path of the falling sinks, means for pushing the sinks over the edge of said plate, a conduit extending upwardly from said chamber, said chamber and conduit being adapted to contain a high enough level of a light density fluid to balance the fluid in the hopper, means for continuously circulating a light density fluid up through the hopper to maintain the heavy density fluid therein, and means for removing said sinks from said chamber up through said conduit.

2,362,483
TORSION ROD SPRING SUSPENSION
Albert F. Hickman, Eden, N. Y., assignor to Hickman Pneumatic Seat Co., Inc., Eden, N. Y., a corporation of New York
Application February 26, 1942, Serial No. 432,405
10 Claims. (Cl. 267—57)



1. A vehicle spring suspension, comprising a frame, an axle having a wheel journaled thereon, a bearing mounted on said frame adjacent said axle with its axis extending generally at right angles to said axle, a torsion rod having one end directly journaled in said bearing, means mounted on said frame adjacent to and restraining the rotation of the opposite end of said torsion rod, a crank arm having a pair of bearings directly journaled on said torsion rod on opposite sides of said first bearing, means operatively connecting said crank arm to said one end of said torsion rod, and means pivotally connected to said crank arm and to said axle.

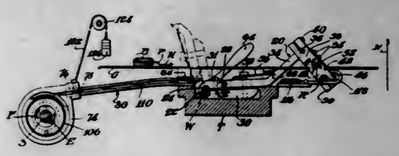
2,362,484
PRESSURE GAUGE
Clarence N. Hickman, Jackson Heights, N. Y., assignor to the Government of the United States of America, as represented by the Secretary of War
Application May 10, 1943, Serial No. 486,401
14 Claims. (Cl. 73—167)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



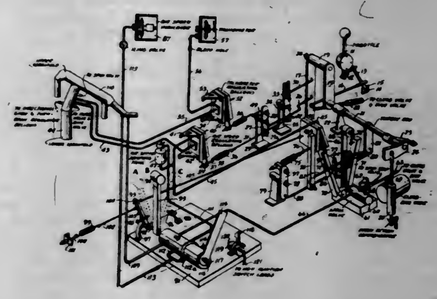
1. A device of the class described, in combination, a tubular member provided with tapped threads at one end and with outside screw threads at its other end, a plug bolt screwed into the said tapped end, a closure member screwed onto the said outside threads of the tubular member and adapted to contain grease and provided with port holes, a piston slidably fitted in the said tubular member and provided with an obturating cup to prevent the grease from entering the said piston portion of the tubular member, and a deformable element positioned in the tubular member between the seat of the said plug screw and the said piston.

2,362,485
FABRIC TENSIONING METHOD AND MEANS
Alfred Hofmann, Palisade, and Walter Hartmann, Paterson, N. J., assignors to Alfred Hofmann, Inc., West New York, N. J.
Application March 1, 1941, Serial No. 381,254
27 Claims. (Cl. 66—149)

8. In a method of tensioning fabric being knitted on a knitting machine provided with a take-up mechanism including a welt bar and a welt rod engageable with the fabric, the steps of: withdrawing the welt bar with a continuous yieldable force in a generally horizontal direction, and simultaneously forcing the welt rod on the fabric with a continuous yieldable force in a generally downward direction while the machine operates to knit a substantial length portion of the fabric.



2,362,486
AIR-SPEED CONTROL AND SPIN DELAY ASSEMBLY FOR LINK TRAINERS
Sherman A. Holbert, Manchester, Iowa
Application February 29, 1944, Serial No. 524,436
6 Claims. (Cl. 35—12)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



5. In an instrument flying trainer of the type which employs a source of vacuum and a stall valve assembly for control of spinning of the trainer, valve means interposed between the stall valve assembly and the source of vacuum, vacuum lines connecting said valve means with the stall valve assembly and the source of vacuum, said valve means being constructed and arranged so that, when operation of the trainer is started, the source of vacuum is cut off from the stall valve assembly to obviate automatic spinning of the trainer; and operator-controlled means to permit said valve means to move into such position that the stall valve will resume its normal operating state.

2,362,487
DENTURE CLEANSER
Joseph Anthony Hopkins, Rockford, Ill.
No Drawing. Application December 5, 1940, Serial No. 368,627
8 Claims. (Cl. 167—93)

1. A preparation for cleaning removable dentures, consisting of a lather producing detergent and including a polishing agent, a suitable acid, and sufficient sodium bicarbonate to neutralize the acid, the latter two ingredients when wetted in the application of the preparation to dentures serving to liberate CO_2 as a froth producing gas.

2,362,488
PARACHUTE
Leroy B. Jahn, Montevideo, Minn.
Application June 26, 1941, Serial No. 399,891
24 Claims. (Cl. 244—148)

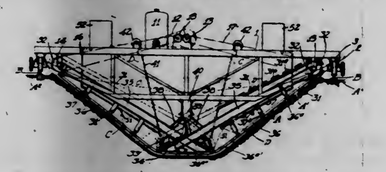


1. A parachute package, including a parachute and automatically-acting distending means secured to the parachute adjacent the free edge thereof, the free edge beyond the distending means and for a material length of the parachute being arranged in convolute folds with such convolute folds interfolding those lengths of such edge around the automatically acting distending means, that portion of the body of the parachute beyond the edge being grouped in layers transverse the first mentioned folds.

2,362,489
GRANULAR MATERIAL AND METHOD OF MAKING THE SAME
Clifford L. Jewett, Minneapolis, Minn., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware
No Drawing. Application September 27, 1938, Serial No. 232,009
3 Claims. (Cl. 117—100)

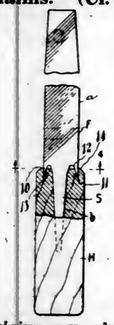
1. As an article of manufacture, a translucent comminuted or granular mineral material having individual granules or particles thereof coated with an opacifying coating comprising finely divided unfused colored metalliferous material substantially uniformly disseminated in a translucent weather-resistant ceramic vitrified binder, said metalliferous material being present in sufficient amount and in sufficiently high proportion in relation to said binder as to render said coating of such opacity that less than 0.5 of one percent of incident light within the wave length range of 2900 to 4700 Angstrom units will pass through the said coated granules, said metalliferous material being that resulting from the interaction at elevated temperatures of oxides of chromium and zinc and iron sulphate.

2,362,490
CEMENT TROWELING MACHINE
William Hurst Lewis, Los Angeles, Calif.
Application August 10, 1940, Serial No. 352,163
15 Claims. (Cl. 61—63)



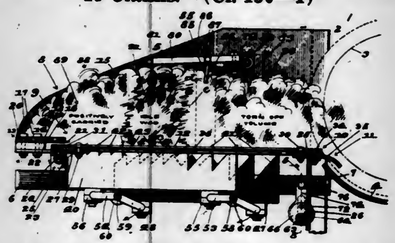
1. A troweling machine of the class described, comprising a carriage, a pair of continuous belt conveyors extending from the ends of the carriage downwardly towards the middle portion thereof, and a plurality of troweling members carried by the conveyors, one of the conveyors being positioned forwardly of the other, and the inner ends of the same overlapping each other.

2,362,491
FILE
John F. Linden, Belmont, Ontario, Canada
Application June 1, 1942, Serial No. 445,321
10 Claims. (Cl. 29—78)



1. A file comprising an abrasive body having projecting integrally from one end thereof and in the longitudinal plane of the body a centrally positioned shank, and a pair of rearwardly extending miniature handle-engaging prongs arranged one at each side of the shank, and in spaced relation thereto, said prongs being integral with the body.

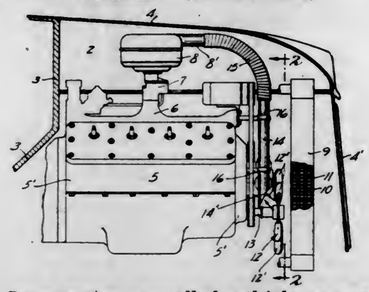
2,362,492
FEEDER
Carl R. Livermon, Roxobel, N. C.
Application August 11, 1941, Serial No. 406,390
15 Claims. (Cl. 130—1)



1. A feeder comprising a slotted feed table, essentially thin, toothed carrier blades operable up through the slots, means securing multiple blades into at least two groups respectively for operation on opposite sides of the longitudinal center of the feed table, each group consisting of an approximate minimum of three blades, the actual numerical requirement being a factor directly related to the density of a tangled vine mass intended to be conveyed, thus to avoid cutting through the mass and at the same time delineate a table area for exposure by each inactive group, of sufficient expanse to let the superimposed mass drop into contact with the table, means to alternately reciprocate the blade groups to actuate the mass with a combined advancing and sweeping action, mass-retarding means fixedly stationed above the feed table, consisting of twin rows of successive spikes and spring fingers, said blades having coarse teeth grouped under the retarding means to confine major penetration of the mass to the locality of said means, and relatively fine teeth grouped in advance of the retarding means serving to carry said mass up to said means, said coarse and fine teeth having a vertical edge confronting the vine mass; and a set of inverted V-teeth situated intermediately of the coarse and relatively fine teeth and partially in advance of the field of operation of the coarse teeth for aiding in sustaining the

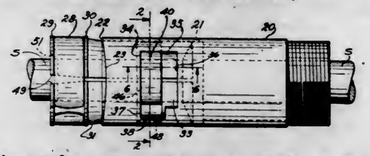
mass but capable of slipping thereunder in the event of excessive resistance to the mass over the coarse teeth, the inverted V-teeth having both edges inclined to the vertical.

2,362,493
APPARATUS FOR SILENCING AND SUPERCHARGING ENGINE INTAKES
Wilfred W. Lowther, Minneapolis, Minn., assignor, by mesne assignments, to Harry J. Doherty, Minneapolis, Minn.
Application April 17, 1942, Serial No. 439,334
4 Claims. (Cl. 123—119)



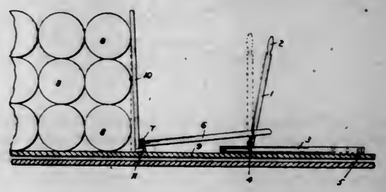
1. In a motor propelled vehicle, a passenger compartment, an engine compartment, an internal combustion engine, an engine-driven fan having its air delivery side in closely spaced parallel relation to one wall of the engine, and an air intake conduit communicating with the engine cylinders and outwardly terminating in an intake mouth, the entire intake mouth being located in the space between the air delivery side of the fan and the said adjacent wall of the engine, said fan comprising circumferentially spaced blades that discharge air into the space between the fan and adjacent engine wall in a direction obliquely to the axis of the fan and said adjacent wall, the said intake mouth of the intake conduit being set obliquely to the axis of the fan and to said engine wall in a direction substantially at right angles to the direction in which air is discharged from the fan blades as they pass the intake mouth.

2,362,494
PUSHER
Stoddard B. Martin, Cleveland, Ohio
Application June 12, 1942, Serial No. 446,754
15 Claims. (Cl. 29—62)



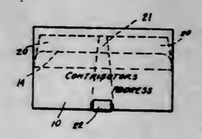
1. A pusher comprising a shell, a bushing adapted to grip stock to be fed disposed within said shell, cooperating wedging means on said shell and bushing arranged to increase the grip of said bushing on the stock when said shell moves forwardly with respect to said bushing, said shell being formed with an opening through the wall thereof, abutment means carried by said bushing and projecting into said opening, said abutment means being arranged to engage one edge of the opening in said shell to move said bushing rearwardly when said shell moves rearwardly, and said abutment means being arranged to engage another edge of the opening to restrain relative rotation of said shell and bushing in one direction.

2,362,495
JACK
Gilbert L. Mayberry, Newark, N. J.
Application May 6, 1943, Serial No. 485,839
1 Claim. (Cl. 254—113)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



A jack comprising an elongated base, a lever pivotally mounted in a recess adjacent the forward end of the base, said base being provided on its underside and solely at the end opposite the lever and remote from said lever, with rearwardly projecting spurs for entering the base-support to stabilize the base, and a presser arm pivotally attached to the lever adjacent the base, said arm extending in advance of the base for engagement with an object to be positioned, said base being sufficiently elongated so that the operator's foot may be placed thereon between said lever pivot and said spurs during the operation of the jack.

2,362,496
DOUBLE POST CARD AND RETURN ENVELOPE
George Jo Mess, Indianapolis, Ind.
Application May 13, 1943, Serial No. 486,754
7 Claims. (Cl. 229—73)



1. A combination initial trip post card and reply envelope including a blank of approved post card paperboard weight and color having a post card portion adapted for detachment subsequent to original delivery and retention by the original addressee, a reply envelope forming body portion integral therewith along a common edge, a flap portion integral with the body portion at the opposite edge, and two infolding wings infoldable towards each other and normally between the body portion and flap portion and retained in collapsed relation by the post card portion when lapped thereon and permanently retained by the flap portion when the envelope portions are adhesively secured together to form a complete envelope, and means securing the free edge of the card portion when in lapping position to an adjacent envelope forming portion for unitary initial transmission as a post card of said combination.

2,362,497
METAL ARCH SUPPORT
William D. Moore, Portsmouth, Ohio
Application October 29, 1943. Serial No. 508,099
5 Claims. (Cl. 36—17)

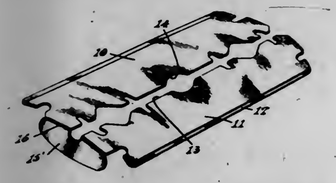
1. A shank support formed of metal or the like for a welt type shoe comprising a flat strip mem-

ber adapted to be disposed between the insole and outsole and extending generally from the heel to the forepart of the shoe, a wing extension on the inner side of said member toward the rear



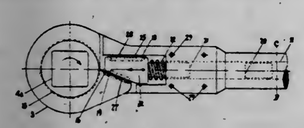
thereof for supporting the scaphoid bone and a second wing extension on the outer side toward the front for supporting the fifth metatarsal head.

2,362,498
SAFETY RAZOR BLADE
Joseph Muros, Cambridge, Mass., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware
Application January 5, 1944, Serial No. 517,093
6 Claims. (Cl. 30—351)



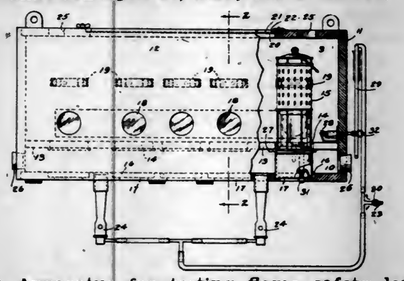
1. An open-end blade comprising side portions of similar shape separated by a central longitudinal slot opening through one end of the blade, and a hinge portion connecting the side portions at the other end of the blade and disposed in a plane at substantially right angles to the axis of said longitudinal slot.

2,362,499
IMPACT WRENCH
Carl W. Porter, Alexandria, Va.
Application June 9, 1942, Serial No. 446,357
11 Claims. (Cl. 81—53)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



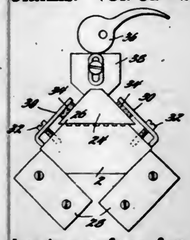
1. An impact wrench comprising a torque block for attachment to a part to be turned, a handled head in which the torque block is rotatably mounted, the handle portion being bored normal to the axis of rotation on an axis in the same plane therewith to receive a reciprocating impulse element, a reciprocable wedging-element at the inner end of the bore, having wedged surfaces at the end protruding from the bore, said surfaces fitting between impact surfaces less than 90% apart on the torque block and head portion respectively to transmit the impacts to the torque block and through it directly to the part to be turned.

2,362,500
APPARATUS FOR TESTING FLAME SAFETY LAMPS
Eugene E. Quenon, Pittsburgh, Pa., assignor to the Government of the United States, as represented by the Secretary of the Interior
Application February 27, 1943, Serial No. 477,485
3 Claims. (Cl. 73—164)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



3. Apparatus for testing flame safety lamps which comprises a gas-confining cabinet having at least one detachable side, an apertured partition positioned horizontally therein and vertically divided into at least two parts through each aperture, one part of said partition being attached to said cabinet and another part being attached to the detachable side of said cabinet whereby said partition defines an upper gas-confining chamber and a lower gas-confining chamber, resilient sealing means in each aperture adapted to engage each lamp positioned therein whereby gas in one chamber can migrate to the other only by passing into and through a lamp, means for introducing an explosive gas mixture into the lower gas-confining chamber, means for purging displaced gases from the upper chamber, means for indicating explosions and relieving excess pressures, igniting means provided with externally operated mechanism for separately lighting each lamp, and igniting means provided with externally operated mechanism for igniting gas in said upper chamber.

2,362,501
CHUCK
Sody Salabes, Baltimore, Md., assignor to May Oil Burner Corporation, a corporation of Maryland
Application March 23, 1943, Serial No. 480,229
2 Claims. (Cl. 51—216)

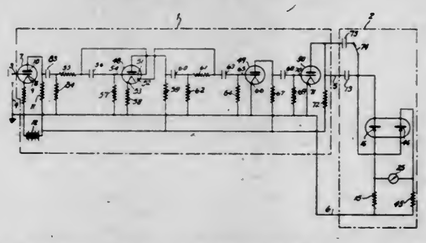


1. A chuck having a face for securing a flat-faced object thereto and in substantially perfect contact therewith, said face being in part undercut and in part raised to surface in the same plane, a conduit in said chuck in communication with said undercut part for supplying binding fluid upon said undercut part, and a plurality of other faces serving as guides for the grinding of objects secured to said chuck at definite respective angles to each guiding face.

2,362,502
PYROTECHNIC COMPOSITIONS
George J. Schladt, Dover, N. J., assignor to the Government of the United States of America, as represented by the Secretary of War and his successors in office
No Drawing. Application August 11, 1938, Serial No. 224,303
7 Claims. (Cl. 52—24)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

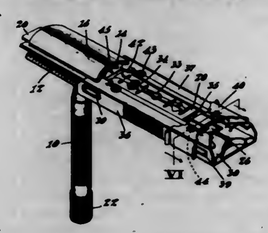
1. A pyrotechnic composition comprising a nitrate of an alkaline-earth metal, an organic halogen compound having a dissociation temperature substantially lower than the inorganic halides, and a metallic fuel.

2,362,503
FREQUENCY-MEASURING DEVICE
Hermon Hosmer Scott, Winter Hill, Mass., assignor to General Radio Company, Cambridge, Mass., a corporation of Massachusetts
Application December 10, 1941, Serial No. 422,381
22 Claims. (Cl. 172—245)



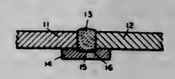
1. A meter for measuring the frequency of an alternating voltage within predetermined frequency and voltage limits having, in combination, a rectifying limiter having an input circuit and an output circuit for producing in the output circuit a substantially constant alternating voltage of substantially uniform waveform in time duration for any alternating voltage and waveform applied to the input circuit within the said frequency and voltage limits, means for applying to the input circuit an alternating frequency and voltage within the said limits, a frequency-measuring circuit, and means for connecting the frequency-measuring circuit to the output circuit.

2,362,504
MAGAZINE FOR SAFETY RAZOR BLADES
Meyer J. Shnitzler, Jamaica Plain, Mass., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware
Application November 19, 1942, Serial No. 466,107
4 Claims. (Cl. 30—40)



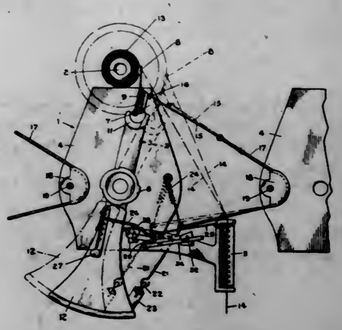
1. The combination of a magazine having a blade-outlet and a visual indicator at each end, with a double-ended safety razor having a visual indicator at each end, the magazine having a movable feed slide with one portion shaped to engage and advance blades alternately out through the respective blade-outlets of the magazine and another portion shaped to mask the visual indicator at the end from which a blade has been delivered, and the razor having means for locating each blade as delivered in position to obscure the visual indicator at that end of the razor.

2,362,505
WELDING
Emmett A. Smith, East Cleveland, Ohio, assignor to The Lincoln Electric Company, Cleveland, Ohio, a corporation of Ohio
Application December 27, 1940, Serial No. 371,925
2 Claims. (Cl. 113—111)



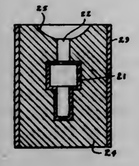
1. In a backing device for closing and forming the under side of a seam in fusion welding, the combination of a metallic backing strip having a surface of substantially the same shape as the surface of the weld desired, and a replaceable layer in the form of a coherent flexible fibrous glass tape of substantially uniform thickness, but relatively thin compared with the thickness of said strip, substantially covering such surface of said strip, the material of said layer being fusible at welding temperature and substantially free from substances capable of evolving gases at such temperature and said strip having means to limit the lateral flow of such material despite fused condition thereof.

2,362,506
WINDING MACHINE
William T. Stearn and Frank W. Schulte, Cumberland, Md., assignors to Celanese Corporation of America, a corporation of Delaware
Application February 9, 1944, Serial No. 521,631
6 Claims. (Cl. 242—18)



1. In a winding machine, the combination with a take-up means for winding yarn into packages, of a yarn guide for traversing the yarn on to the package, a traverse frame assembly, including a yarn guide plate and counterweight, in which said yarn guide is reciprocated, and means for reducing the pressure of said yarn guide on the yarn package during the building up of the yarn package, said means comprising an elastic connection between said yarn guide plate and said counterweight.

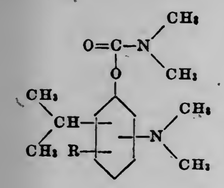
2,362,507
METHOD AND MEANS FOR PRODUCING COMMERCIAL CASTINGS
Edmund A. Steinbock and Robert Neiman, Louisville, Ohio; said Neiman assignor to said Steinbock
Application October 27, 1942, Serial No. 463,560
15 Claims. (Cl. 22—158)



1. A pattern formed of plastic having the exterior conforming accurately to the exterior of the part to be produced and whose mold cavity forming portion is hollow so that the walls thereof, under heat, will collapse inwardly.

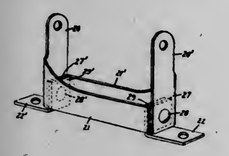
2,362,508
THERAPEUTIC SUBSTANCES
Joseph R. Stevens, Plainfield, and Ralph H. Beutel, Newark, N. J., assignors to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application December 6, 1940, Serial No. 368,844
4 Claims. (Cl. 260—479)

4. A substance selected from the class consisting of compounds of the formula



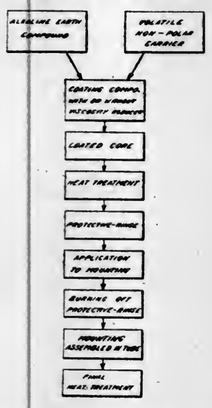
where R is one of the group CH_3 and hydrogen, and quaternary salts thereof.

2,362,509
GAS TURBINE AND THE LIKE
Dale D. Streid, West Lynn, Mass., assignor to General Electric Company, a corporation of New York
Application March 28, 1942, Serial No. 436,606
4 Claims. (Cl. 248—16)



2. The combination with two members subject to expansion relatively to each other, of flexible means connecting said members comprising two torsion bars arranged parallel to each other and pivotally connected together at each of their ends, and means connecting opposite ends of the torsion bars to said members.

2,362,510
EMISSIVE FILAMENT AND METHOD OF MAKING
Paul W. Stutsman, Waltham, Mass., assignor, by mesne assignments, to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application January 3, 1942, Serial No. 425,546
10 Claims. (Cl. 176—126)



1. In the manufacture of filament for electron discharge tubes and the like, the steps which comprise applying to a metallic core a coating composition comprising an alkaline earth compound dispersed in a carrier consisting essentially of a normally fluid, substantially non-polar organic compound having a volatilization temperature substantially less than the fusion temperature of said alkaline earth compound, and subsequently heat-treating the coated core to burn off the carrier and effect fusion of the particles of the alkaline earth compound.

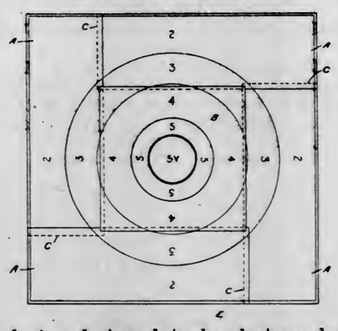
2,362,511
MODIFIED GLYCOLIDE RESINS
Wilber O. Teeters, Roselle, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 21, 1939, Serial No. 305,474
4 Claims. (Cl. 260—78)

1. A process for the preparation of a lactic acid-modified polyglycolide resin which consists of reacting a mixture containing approximately 300 parts of glycolic acid, 233 parts of water and 117 parts of lactic acid (85%) rapidly at a temperature of 200° C., holding the mixture at that temperature for a period of approximately 2 hours and subsequently continuing the heating for another period of approximately ½ hour under vacuum.

2,362,512
METALLURGY
Marvin J. Udy, Niagara Falls, N. Y.
No Drawing. Application June 23, 1941, Serial No. 399,415
4 Claims. (Cl. 75—27)

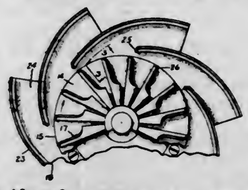
1. The method of producing low-carbon ferrochromium which comprises subjecting low-carbon, high-silicon ferrochrome silicon to controlled oxidation with material resulting from the oxidation of chromite ore in the presence of lime and containing calcium chromate and unaltered chromite ore to oxidize a portion of the silicon and form modified low-carbon ferrochrome silicon relatively low in silicon, mixing low-carbon, low-silicon ferrochrome silicon thus produced with oxidizing material capable of reacting exothermically with the silicon of the ferrochrome silicon to develop sufficient heat to melt the iron and chromium of the ferrochrome silicon, and igniting the mixture thus produced.

2,362,513
SECTIONAL TARGET
Carl A. Waldmann, United States Army, Rock Island Arsenal, Ill.
Application June 9, 1942, Serial No. 446,365
2 Claims. (Cl. 273—102)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



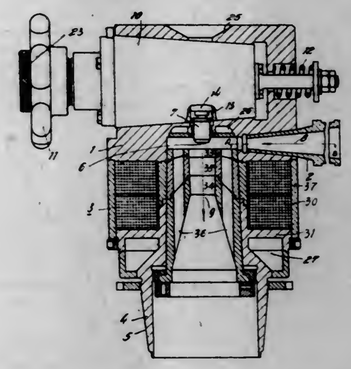
1. A device designed to be destroyed in use, such as a target, comprising, a plurality of sheets having indicia thereon and being intended to be assembled in partially overlapped condition, so that the indicia carried by the several sheets together form a given design, that portion of the design which appears in the overlapping region being carried by each of said sheets in the portion thereof which is overlapped or overlapping when the sheets are assembled in overlapped condition, whereby the same design is provided by the combined indicia on the several sheets when the said sheets are assembled in said overlapped condition regardless of which of contiguous sheets overlaps the other.

2,362,514
CENTRIFUGAL COMPRESSOR
Donald F. Warner, Swampscott, Mass., assignor to General Electric Company, a corporation of New York
Application June 3, 1941, Serial No. 396,426
2 Claims. (Cl. 230—127)



2. Centrifugal compressor comprising a casing forming an impeller chamber and a diffuser chamber, an impeller with a plurality of circumferentially spaced blades located in the impeller chamber, and a diffuser with a plurality of circumferentially spaced vanes located in the diffuser chamber, the diffuser vanes having inlet portions with a bevelled edge and inclined toward a plane of rotation.

2,362,515
SLUICING DEVICE FOR CORPUSCULAR RAY APPARATUS
Franz Weigend, Berlin-Spandau, Germany; vested in the Alien Property Custodian
Application July 30, 1940, Serial No. 348,524
In Germany July 13, 1939
10 Claims. (Cl. 250—49.5)



1. In a corpuscular ray apparatus having a vacuum chamber and a sluicing device for introducing a body from outside into said chamber, said sluicing device comprising a sluice casing connected with said vacuum chamber and having a sluice opening accessible from outside, a sluice member movably disposed in said casing and having a sluice chamber disposed so as to register with said sluice opening in one position of said movable member and with said vacuum chamber in another position of said movable member, said sluice member and chamber being disposed so as to have the path of the corpuscular rays outside of said chamber in both said positions, carrier means in said sluice chamber for holding said body, said means being displaceable in the direction towards said ray path, and exteriorly actuable drive means arranged in said movable sluice member and engaging said holding means for moving said body out of said sluice chamber towards and into said ray path.

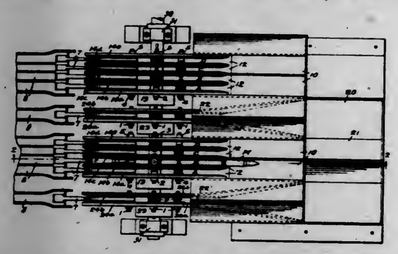
2,362,516
ANTIOXIDANT
Jones I. Wasson, Union, N. J., and Warren M. Smith, Baton Rouge, La., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application May 2, 1942, Serial No. 441,548
9 Claims. (Cl. 252—52)

1. An organic composition containing a small amount of a branched chain aliphatic ether of a petroleum phenol.

2,362,517
CARTRIDGE ORIENTOR
John H. Woodberry, Metuchen, N. J.
Application November 24, 1942, Serial No. 466,826
6 Claims. (Cl. 198—33)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a device for orienting cartridges with their primer ends pointed in a predetermined direction, the combination of a hopper into which the cartridges are promiscuously heaped, a chute leading from the hopper, a shaft, a disc fixedly

mounted on the said shaft to rotate therewith, a disc feathered on the said shaft, the said shaft being disposed to the left of the said chute and substantially level with the end thereof with the said discs close to the said end of the chute, means for rotating the said shaft and discs in a counterclockwise direction, the said discs being provided with a plurality of spaced and aligned holes, the said holes of the respective discs being oppositely tapped, screw bolts provided with oppositely threaded portions screwed into the said aligned holes for adjusting the spacing between the said discs, the inner peripheral portions of the said discs being provided with oppositely shaped bevels adapted to frictionally engage the



primer end of a cartridge gravitating down the chute, whereby the engaged cartridge is carried by the said rotating discs, the so carried cartridge turning on its frictionally engaged primer end to a vertically oriented position by force of gravity, a discharge chute leading from the said discs, and a finger secured at one end to the said chute and presenting a distal portion between the said pair of discs adapted to contact the projectile end of the so suspended cartridge to turn the cartridge to a substantially horizontal position with its primer end foremost and to remove the so oriented cartridge from the said pair of discs and to place the removed cartridge on the said discharge chute.

2,362,518
CLIMBER
Robert L. Woodbury, Litchfield, Conn.
Application March 27, 1944, Serial No. 528,260
4 Claims. (Cl. 227—27)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

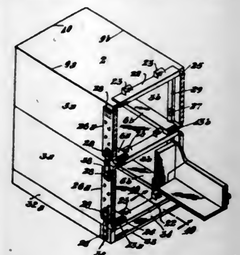


1. A climber including a tread adapted to engage the instep portion of the shoe sole of the user, a shank extending upwardly from one terminal of the tread at the outer side of the shoe and bowed outwardly away from the shoe, the upper terminal of the shank being outwardly turned, a spur extending downwardly from the opposed terminal of the tread at the inner side of the shoe, means for securing the tread to the shoe, and means for securing the upper portion of the shank to the leg of the user.

2,362,519
PROCESS OF COLOR PHOTOGRAPHY UTILIZING IMMOBILE 2-SUBSTITUTED-1-NAPHTHYLAMINES
David W. Woodward, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 4, 1942, Serial No. 464,532
11 Claims. (Cl. 95—6)

1. The process which comprises developing a silver salt image in the presence of a basic alpha-naphthylamine having in the 2-position a radical taken from the group consisting of hydrocarbon radicals and ether interrupted hydrocarbon radicals, with a color coupling developing agent.

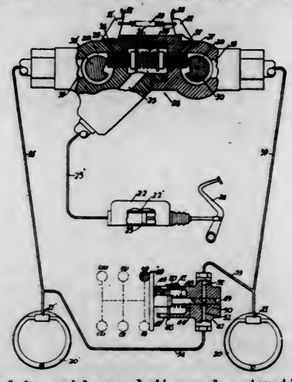
2,362,520
COLLAPSIBLE CONTAINER—WALL CONNECTION
Philip Zalkind, New York, N. Y.
Original application October 19, 1935, Serial No. 45,714, now Patent No. 2,210,019, dated August 6, 1940. Divided and this application August 3, 1940, Serial No. 350,629
5 Claims. (Cl. 312—108)



1. In a collapsible container having an open front and vertical and horizontal walls hingedly connected to each other along fold lines normal to said open front end, a horizontal reinforcing member of channel shaped cross-section secured at the margin of a horizontal wall at said open end, vertical reinforcing members secured at the front margin of each vertical wall, an angle wire member having a central portion rotatably secured by said horizontal member and a pair of legs movable into engaging relation with said vertical reinforcements, and an additional extension from each of said legs; means for positively gripping said additional extension comprising a metallic member having a channel mounted on a wall of said container disposable parallel to said extensions.

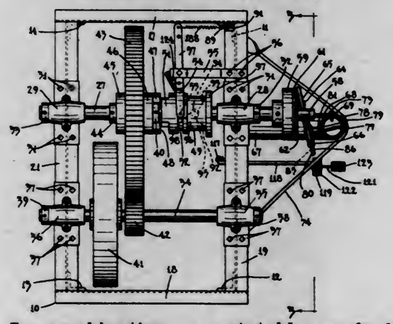
2,362,521
HYDRAULIC BRAKING SYSTEM FOR TRACTORS
Russel D. Acton, Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application February 12, 1942, Serial No. 430,659
18 Claims. (Cl. 180—18)

8. In a braking system for tractors having a pair of rear traction wheels, a steerable front wheel and means for selecting different gear ratios and, in combination therewith, an individual hydraulically actuated brake for each traction wheel, a single braking pedal and a single hydraulic master cylinder operated thereby, a valve device operated by steering of the front wheel, an independent fluid conduit connecting said device with each of the brakes, a fluid conduit connecting the master cylinder with said device, said valve device being operative upon steering of the front wheel to render effective the brake at the side of the tractor in which direction the turn is being made and to render the other brake ineffective, a by-pass fluid conduit connected between the conduits to the brakes, a valve device



interposed in said conduit, and actuating means for said device engageable by the gear-selecting means to open said conduit for flow therethrough whereby fluid pressure is applied to both brakes regardless of the position of the steerable wheel when the gear-selecting means is in positions to select a certain predetermined gear ratio.

2,362,522
EYE-FORMING MACHINE
Andrew J. Anderson, Minneapolis, Minn.
Application July 6, 1942, Serial No. 449,889
12 Claims. (Cl. 140—104)



1. In combination, a rotatable work head, means for rotating said head through a predetermined angle, means for feeding stock to said head and including a guide member, means on said head for engaging the stock to cause bending thereof during rotation of the head and means for moving said guide member to procure additional rotational movement of the stock in a direction to augment the bending procured by said work head.

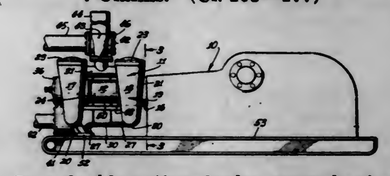
2,362,523
SUSPENSION MEMBER
Edward M. Armstrong, Jr., Orinda, and Robert K. Cutter, Berkeley, Calif., assignors to Cutter Laboratories, Berkeley, Calif., a corporation of California
Application October 2, 1942, Serial No. 460,494
5 Claims. (Cl. 215—1)

1. A suspension member for flasks comprising: a base plate of ductile material; a hook formed from, as a continuation of, and normally coplanar with said plate but adapted to be bent at



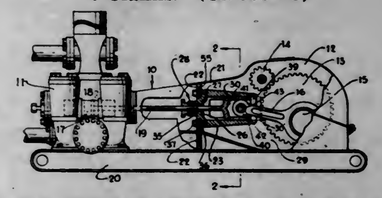
an angle thereto when it is desired to suspend a flask thereby; and means for securing said plate to the base of a flask.

2,362,524
MUD PUMP
Albert A. Ashton, Houston, Tex., assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif., a corporation of California
Application October 26, 1942, Serial No. 463,316
7 Claims. (Cl. 103—177)



1. In a double acting duplex pump having pistons adapted to be reciprocated through piston rods connected to a power source, and a pair of removably secured liners to receive said pistons, the combination of: front and rear pump sections, each of said pump sections having a pair of juxtaposed pump chambers formed with liner receiving mouths in which opposite end portions of said liners are received, a transverse hollow inlet member below said pump chambers, a transverse hollow outlet member above said pump chambers, means forming inlet valve seats connecting said inlet members with said pump chambers, and means forming outlet valve seats connecting said pump chambers with said outlet member; and means connecting said front and rear sections together in cooperative relation so as to form a rigid pump structure comprising annular bodies of welded metal connecting said hollow inlet members together and connecting said hollow outlet members together, said pump also embracing means to connect the interiors of said inlet members and said outlet members respectively to intake and discharge pipes.

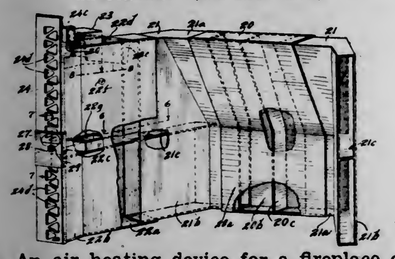
2,362,525
SLUSH PUMP
Albert A. Ashton, Houston, Tex., assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif., a corporation of California
Application January 13, 1943, Serial No. 472,224
7 Claims. (Cl. 308—3)



1. In a pumping device of the character described, the combination of: a reciprocating

pump unit having a piston rod extending therefrom; a supporting wall in transverse relation to the axis of said piston rod and having an opening therein, through which a portion of said piston rod extends; a crank member supported in operative position on the opposite side of said wall from said pump unit; a unitary cross head guide member having at one end thereof a head through which said piston rod passes and having its other end open, said head having a shoulder to cooperate with said opening in said supporting member for aligning said guide member with said piston rod and there being upper and lower rigid guide bars extending from said head in parallel relation to the axis of said piston rod, said guide member being removably secured to said supporting wall in a position with its open end projecting toward said crank member and with its head in transverse relation to said opening of said supporting wall; a cross head slidable in said guide member and being connected to said piston rod for reciprocation thereof, and having upper and lower bearing faces to engage said side bars; and a connecting rod connecting said crank member to said cross head.

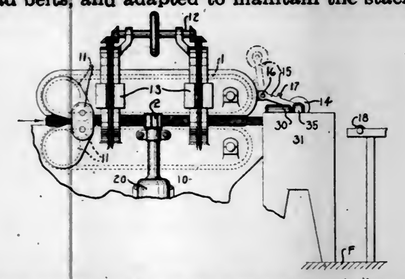
2,362,526
SECTIONAL FIREPLACE HEATER
Albert B. Austin, Minneapolis, Minn.
Application October 21, 1940, Serial No. 362,068
11 Claims. (Cl. 126—121)



1. An air heating device for a fireplace comprising a hollow section constructed and arranged to fit against the rear wall of said fireplace, a second portion at one side of said section telescopically fitting said section and movable transversely of said rear wall to fit various widths of fireplaces, said combined parts extending along the rear and sides of said fireplace to the front thereof, a partition dividing the chambers in said parts which extend along said sides into upper and lower passages communicating in said first mentioned section, said passages having openings adjacent the front of said fireplace whereby air will pass into the lower of said openings around said partition and out at the upper of said openings.

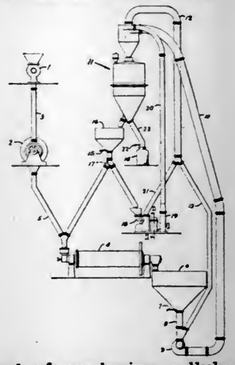
2,362,527
VENEER EDGE PREPARING APPARATUS
William C. Bailey and Chester M. Adams, Seattle, Wash., assignors to United States Plywood Corporation, Seattle, Wash., a corporation of New York
Application January 7, 1941, Serial No. 373,424
1 Claim. (Cl. 144—1)

Mechanism for preparing the edges of veneer sheets for joining, comprising upper and lower endless tread belts spaced apart to receive therebetween a stack of horizontally disposed veneer sheets and arranged to compress such stack vertically to dispose all adjacent sheets in contiguous face-to-face contact, a jointing cutter head disposed alongside said endless tread belts in position to joint simultaneously to the edges of all such stacked veneer sheets moving between said endless tread belts, means for driving said belts to move such veneer sheets past said cutter head, upper and lower pressure rolls located immediately beyond the discharge end of said endless tread belts, and adapted to maintain the stacked



veneer sheets in the same edge-aligned and contiguous face-to-face contact occupied immediately after being jointed by said cutter head, and adhesive-applying means alongside said rolls for coating simultaneously the jointed edges only of the veneer sheets while thus contiguously compressed in such stack.

2,362,528
PREPARATION OF FINE CELLULOSE FLOUR
Emil H. Balz, Andrew W. Kassay, and William D. Williams, Toledo, Ohio, assignors, by mesne assignments to Libbey-Owens-Ford Glass Company, a corporation of Ohio
Application June 3, 1942, Serial No. 445,656
2 Claims. (Cl. 83—94)



2. A method of producing cellulose flour that comprises grinding cellulose in a tumbling impact mill, air-separating the fines from the resulting product, regrinding the tailings from the air separation in a rotor impact mill, air-separating the fines from the material so reground, and returning to said tumbling impact mill the tailings from the second air separation.

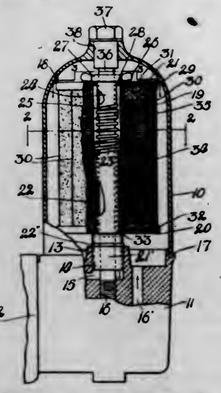
2,362,529
SIDE TRACKING APPARATUS
George J. Barrett and Sosthene Robichaux, Houston, Tex.; Rose Robishaw, executrix of said Sosthene Robichaux, deceased, assignors to A-1 Bit and Tool Company Ltd., Houston, Tex., a special partnership
Application August 30, 1940, Serial No. 354,816
4 Claims. (Cl. 255—1.6)

1. In side tracking apparatus for wells, a whipstock shaped to enter a well casing and having a longitudinal surface arranged to be spaced from one side of the casing when the whipstock is in the casing, anti-friction means arranged along said surface to contact with a milling tool as said



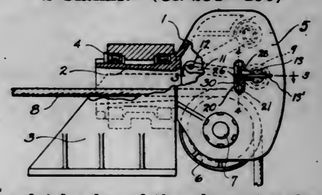
tool is lowered between said surface and the opposing side of the casing and whereby the milling tool will be forced through said side of the casing as the tool is lowered and rotated.

2,362,530
FILTER
Dale L. Bennett, Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey
Original application February 15, 1939, Serial No. 256,406. Divided and this application August 31, 1942, Serial No. 456,768
7 Claims. (Cl. 210—183)



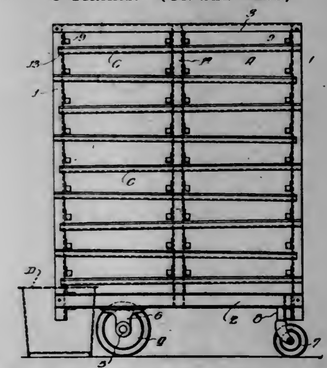
1. A liquid filtering unit comprising a generally tubular filtering element, sealing plates covering the ends of said element and having respective openings, a rod extending axially through said element and also through said openings, tubular fastening means members disposed about said rod respectively in said sealing plate openings, one of said tubular members being closely fitted about the rod and within the opening of its associated end plate to prevent fluid leakage into the filter element through said opening, the other tubular member being closely fitted into its opening in the other sealing plate to prevent leakage therebetween but being axially spaced from said one tubular member and oversize with respect to said rod to provide a passage between such other tubular member and said rod communicative between the interior and exterior of the filter element, means on said tubular members for transmitting axially inward force to their associated sealing plates when said tubular members are urged axially toward one another, and a spring about the rod in connecting relation between said tubular members and under contracting tension for urging said tubular members axially together and thus yieldingly retaining said sealing plates against the respective ends of the filter element.

2,362,531
PIN RETAINER LATCH FOR FAIR-LEADERS
Knute Berger, Seattle, Wash.
Application January 18, 1943, Serial No. 472,663
6 Claims. (Cl. 254—190)



5. In a fairleader of the character described, a housing comprising spaced side walls, a cable sheave mounted between said walls, a cable passing over said sheave, a swing frame in the housing, pivotally mounted at one end and adapted to swing at its outer end from and toward the cable sheave, a tubular hub mounted on the frame and a cable retaining roller on said hub; said housing walls having holes therein with which the tubular hub is alined when the roller is in cable retaining position, and a pin extended through the holes of the housing and the tubular hub; said pin having a longitudinal channel and a circumferential channel into which said longitudinal channel opens at one end, a key fitted to a wall of the housing and received in the longitudinal channel for withdrawal of the pin and received in the circumferential channel on rotation of the pin when it is fully applied, to lock it against withdrawal.

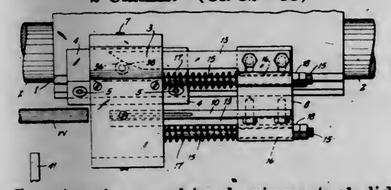
2,362,532
APPARATUS FOR USE IN COOLING OFFAL AND THE LIKE
Frank J. Bilek, Chicago, Ill., assignor to The Globe Company, Chicago, Ill., a corporation of Illinois
Application April 7, 1943, Serial No. 482,207
8 Claims. (Cl. 211—126)



1. In an apparatus of the class described, in combination, a rack, a plurality of trays, means

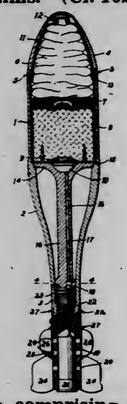
on said rack for supporting said trays in rows and tiers and all inclined in one direction, means preventing downward sliding movement of said trays and retaining the trays with the lower ends thereof projected outwardly at one side of said rack, said trays having drainage openings in the bottoms thereof adjacent their lower ends, and means secured to said rack for receiving the drainage from the trays in the several rows and directing it downwardly in a zig-zag path to a disposal means.

2,362,533
TURNING MACHINE
Cornelius A. Bollwerk, St. Louis, Mo.
Application December 10, 1942, Serial No. 468,464
2 Claims. (Cl. 82—35)



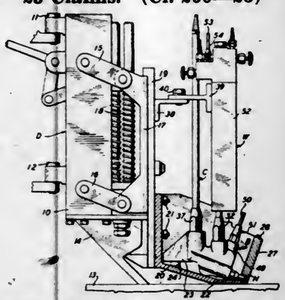
1. In a turning machine having a tool slide, an attachment comprising a tool head slidably mounted on the tool slide, a plurality of slides arranged in ways on the head radial to a common axis, a tool mounted on one of the radial slides and a work rest on each of the other (one or more) radial slides, a cam support rigidly connected to the said tool slide and resiliently connected and movable with respect to the tool head in such an arrangement that the head will be yieldingly advanced by the tool slide, means to restrain movement of the tool-head and a plurality of cams rigidly mounted on the support and contacting the said radial slides in such an arrangement that, when there is relative movement between the head and the support, the cams will move the slides simultaneously inwardly toward said axis.

2,362,534
LIGHTING PROJECTILE
Edgar William Brandt, Paris, France, assignor to Sageb, Société Anonyme de Gestion et d'exploitation de brevets, Fribourg, Switzerland, a corporation of Switzerland
Application January 21, 1941, Serial No. 375,334
In France January 12, 1940
5 Claims. (Cl. 102—35)



1. A projectile comprising a hollow structure including a body and a tail connected thereto for relative rotation about the axis of said structure; a flare slab and a suspension parachute therefor located in said body, an ejecting charge positioned in the body for ejecting the flare slab and parachute; a plurality of igniting units for the ejecting charge and having individually different delay periods and pos tioned in said hollow structure and having individual primers, each of said igniting units being capable upon deflagration of igniting the ejecting charge; a pressure-actuated firing pin carried by said hollow structure and selectively presented, in accordance with the prevailing relative angular position of the body and tail, in position for exciting the primer of the selected igniting unit upon the exertion of the gas pressure for propelling the projectile, whereby to determine the time of expulsion and ignition of the flare slab and parachute, and means for preventing the selecting device from exciting any of the primers except upon the exertion of said gas pressure.

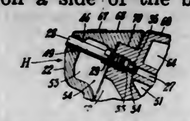
2,362,535
BLOWPIPE APPARATUS
James H. Bucknam, Cranford, N. J., assignor to The Linde Air Products Company, a corporation of Ohio
Application November 13, 1937, Serial No. 174,335
25 Claims. (Cl. 266—23)



1. Blowpipe apparatus comprising a header block; means for attaching said block to a desurfacing machine; and a plurality of nozzles fitted into a series of openings transversely in line along the front face of said block, said nozzles having their axes lying in a plane through said line and inclined laterally of the forward direction; said block having therein a plurality of separate chambers for a heating gas mixture, a plurality of separate chambers for an oxidizing gas, separate gas passages connecting each heating gas chamber to a plurality of said nozzles, separate gas passages connecting each oxidizing gas chamber to a plurality of said nozzles, and other passages for cooling fluid extending into, through, and out of said block; in combination with a separate blowpipe discharging into each heating gas chamber in said block; and means for supplying oxidizing gas connected to discharge into each oxidizing gas chamber in said block.

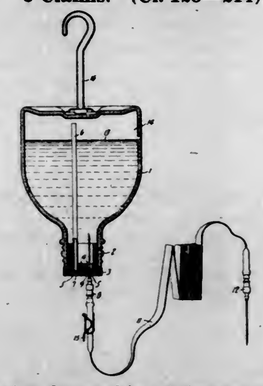
2,362,536
APPARATUS FOR CONDITIONING THE SURFACES OF METAL BODIES
James H. Bucknam, Cranford. N. J., assignor to The Linde Air Products Company, a corporation of Ohio
Original application May 11, 1940, Serial No. 334,510. Divided and this application June 30, 1942, Serial No. 449,086
14 Claims. (Cl. 158—27.4)

8. A scarfing torch comprising a block tip with an elongated face and a row of jet orifices in said face for directing scarfing streams of oxygen against the surface of a metal body, and supporting bearings on a side of the block at spaced



regions along the length of the block for supporting the tip on the metal body in a definite relation to the surface of said metal body.

2,362,537
INTRAVENOUS INJECTION EQUIPMENT AND METHOD OF OPERATING SAME
William F. Butler, Berkeley, Calif., assignor to Cutter Laboratories, Berkeley, Calif. a corporation of California
Application July 24, 1942, Serial No. 452,186
3 Claims. (Cl. 128—214)



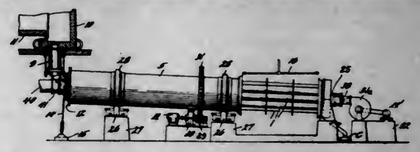
1. A device for making intravenous injections comprising: a flask partially filled with an intravenous solution, said flask being sealed under superatmospheric pressure by a stopper puncturable by a hypodermic needle; a hypodermic needle extending through said stopper; a section of normally collapsed flexible tubing secured to the outer end of said needle; and a second hypodermic needle secured to the free end of said tubing.

2,362,538
COMPOSITIONS OF RUBBER AND GELLED SOLUTION OF SHELLAC IN A GLYCOL
Solomon Caplan, New York, N. Y., assignor to Harvel Research Corporation, a corporation of New Jersey
No Drawing. Application October 7, 1942, Serial No. 461,201
5 Claims. (Cl. 260—755)

1. A composition comprising rubber and an acid-gelled solution of shellac in a glycol whose molecular weight is no greater than 400.

2,362,539
ROTARY WATER-COOLED TUBE COOLER
Richard D. Cheesman, Allentown, Pa., assignor to Traylor Engineering and Manufacturing Company, Allentown, Pa., a corporation of Delaware
Application July 21, 1942, Serial No. 451,778
8 Claims. (Cl. 257—92)

1. A rotary tube cooler comprising front and rear header plates, a series of laterally spaced apart muffle tubes extending between and opening through said header plates, means for rotating said header plates and tubes about a generally horizontal axis, means for passing material through said tubes, a housing having closed ends surrounding said tubes for a portion of their length and said tubes being uncovered for an-

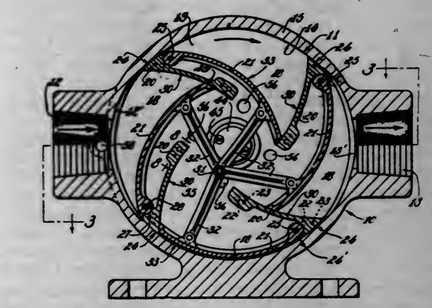


other portion of their length, conduits for introducing air into and removing it from the housing through opposite ends of the housing one of said conduits extending interiorly of the path of rotation of said tubes, means for moving air through said conduits and housing under pressure, and means for exteriorly water cooling the tubes at their exposed portion.

2,362,540
HIDE TREATMENT
Victor Conquest, Chicago, and Havard L. Keil, Clarendon Hills, Ill., assignors to Armour and Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application April 23, 1942, Serial No. 440,252
10 Claims. (Cl. 195—5)

10. A process for treating hide to recover hair therefrom which comprises subjecting said hide to the action of the lining of an animal stomach in which peptic enzymes are normally elaborated in the presence of water at a pH of from about 1.0 to 2.5 until at least a part of the hide has gone into solution, neutralizing the resulting mixture, heating said mixture to dissolve any undissolved hide not already brought into solution by the action of said stomach lining, and removing hair from said solution.

2,362,541
FLUID METER
Warren H. De Lancey, Springfield, Mass., assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass., a corporation of Massachusetts
Application August 11, 1942, Serial No. 454,425
2 Claims. (Cl. 73—260)



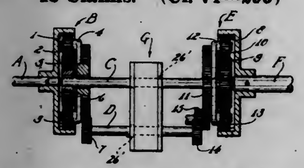
1. A meter, comprising, a casing having peripheral and end walls defining a cylindrical chamber with an inlet and an outlet passage communicating with said chamber at angularly-spaced locations in the peripheral wall thereof,

and a rotor having a plurality of measuring pockets in its periphery and mounted in said chamber to be rotated by the passage of fluid from the inlet to the outlet; said rotor consisting of two circular end plates located one near each end of said chamber in axially-spaced relation and each having a running fit between its peripheral edge and the inner surface of said peripheral wall, each said pocket being formed between relatively fixed and movable walls extending between said plates, each movable wall being hinged at one end to the end plates close to the peripheries thereof and having its other end slidably engaged with one of the relatively fixed walls; members extending inwardly one from each end wall to rotatably support the end plates and one thereof passing through an end plate into the space encompassed by the several measuring pockets, a crank located in said space and mounted on the last-named member for radial movements of adjustment, an eccentric for moving said crank, a shaft carrying the eccentric and extending through the last-named member and the end wall to which it is fixed, a crank pin on said crank, a rigid link connecting each movable wall to said crank pin and preventing each movable wall from moving outwardly beyond the peripheral edges of said plates, and a shaft mounted in said casing and connected to the rotor to be turned thereby.

2,362,542
VARIABLE-SPEED DRIVING MECHANISM

Warren H. De Lancey, Springfield, Mass., assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass., a corporation of Massachusetts

Application October 5, 1942, Serial No. 460,748
13 Claims. (Cl. 74—293)

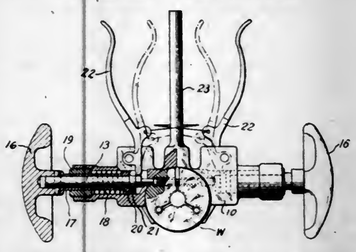


1. A transmission comprising two differential mechanisms of the positively geared type, a power input shaft and a power output shaft, one differential mechanism for the purpose of apportioning the motion of the input shaft by which it is driven into two motions each to drive a different gear part of the other differential mechanism, the latter for the purpose of integrating such two motions and to turn the power output shaft by the result of such integration, two intermediate shafts receiving the apportioned motions and connecting appropriate gears of said two differential mechanisms for one to operate the other, a variable capacity rotary pump structure of the positive displacement type with rotary parts thereof independently fixed one to one and one to the other of said intermediate shafts, means providing a closed liquid circuit in which said rotary parts work, said pump structure including means to adjust its pumping capacity whereby the liquid of the closed circuit will require the speeds of the two intermediate shafts to vary always in inverse proportion, said rotary pump structure with its closed circuit being operable as a positively acting means for establishing any one of an infinite number of speed variations between the two connected intermediate shafts whereby the power from said input and output shafts can be transmitted in the way and with the result desired with respect to the proportions in arrangement of power components on the output shaft.

2,362,543
WORK HOLDER FOR LAPPING DEVICES

Alden M. Drake, West Hartford, Conn., assignor to Niles-Bement-Pond Company, West Hartford, Conn., a corporation of New Jersey

Application June 24, 1942, Serial No. 448,276
6 Claims. (Cl. 51—216)

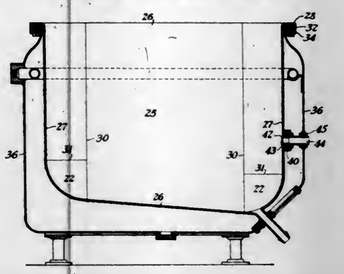


2. A gage holder for gage lapping machines comprising in combination, a body member, means to support a gage in fixed position thereon, and rotatable members mounted in said body member for engagement with adjusting and locking members on said gage for adjusting the diameter of said gage while supported within said body member.

2,362,544
METHOD OF MAKING VESSELS

Arvid Ralph Eckberg, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application December 12, 1941, Serial No. 422,689
1 Claim. (Cl. 29—148.2)



A method of fabricating a vessel in which photographic emulsions are heated and agitated which comprises bonding sheets of rolled nickel and silver by hot working to produce a bi-metallic sheet of non-granular structure, forming the sheets to required shapes mechanically including suitable anneals, assembling the formed sheets in position, the silver sides being innermost, arc-welding with nickel the edges of the nickel portions, and gas welding with silver the edges of the silver portions.

2,362,545
SELENIUM RECTIFIER AND METHOD OF MAKING IT

William C. Ellis, Maplewood, and Alexander G. Souden, Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application January 29, 1942, Serial No. 428,672
13 Claims. (Cl. 175—366)

1. The method of making a selenium rectifier that comprises applying an adherent film of amorphous selenium to a conductive backing member, converting the amorphous selenium to crystalline selenium by heat treatment, exposing the surface of the selenium to a fluid alkaline

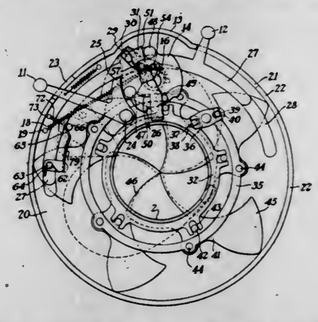


halide for a short time, applying an electrode to said surface and forming the rectifier by passing current therethrough in the high resistance direction.

2,362,546
CAMERA SHUTTER

Carl C. Fuerst, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application June 3, 1943, Serial No. 489,484
24 Claims. (Cl. 95—63)



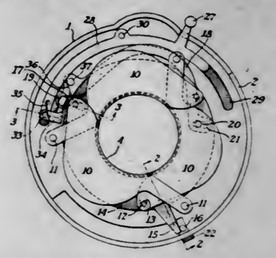
1. In a camera shutter, the combination with a casing having an aperture therein, of shutter blades movably mounted to open and close said aperture, a blade ring movably mounted for moving the blades to open and close the exposure aperture, a master member, an arm extending from the blade ring across the master member, pins carried by the master member positioned to move the arm in two directions, to make an exposure, and means included in the arm for altering the effective position of the arm relative to a driving pin and consequently the speed of the exposure.

2,362,547
DIAPHRAGM SHUTTER

Carl C. Fuerst, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application June 3, 1943, Serial No. 489,485
7 Claims. (Cl. 95—63)

1. In a diaphragm shutter, the combination with a shutter casing including an exposure opening, of shutter leaves pivotally mounted and movable to open and close the opening, mechanism for moving the shutter leaves, a setting lever for said mechanism to condition the shutter for exposure, said setting lever moving the shutter leaves in setting the shutter, a movable diaphragm, a stop for determining the diaphragm opening, means tending to move the diaphragm against the stop, and a latch carried by the setting lever for closing the exposure aperture dur-



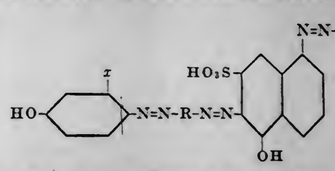
ing that part of the setting operation in which the shutter leaves are opened by the setting lever.

2,362,548
TRISAZO DYESTUFFS

Joseph Gyr and Raymond Gunst, Basel, Switzerland, assignors to Society of Chemical Industry in Basle, Basel, Switzerland, a Swiss company

No Drawing. Application June 15, 1942, Serial No. 447,148. In Switzerland July 5, 1941
3 Claims. (Cl. 260—169)

1. The monosulfonated azo dyestuffs corresponding in the free state to the general formula

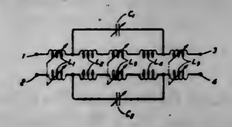


in which R represents an arylene radical of the benzene series, in which the two azo groups stand in the 1:4-position to each other and in which each of the two x represents a substituent selected from the group consisting of hydroxyl and amino groups.

2,362,549
WAVE TRANSMISSION NETWORK

Stuart G. Hale, Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

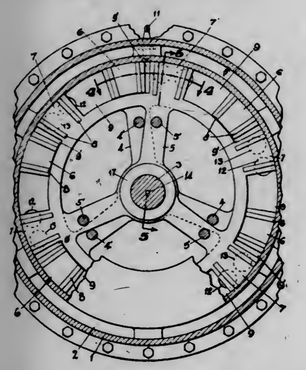
Application September 23, 1942, Serial No. 459,401
31 Claims. (Cl. 178—44)



1. A wave transmission network for suppressing undesired longitudinal currents over a range of frequencies while freely transmitting signal currents in the same range in the loop circuit of a transmission line comprising two suppression coil sections and three auxiliary coils all connected in series, each of said sections and each of said auxiliary coils comprising two equal line windings connected one in each side of the line, said two windings of each of said sections having close inductive coupling and being connected in the series-opposing relationship for said loop circuit, one of said auxiliary coils being connected between said sections, the other of said auxiliary coils being connected, respectively, at the outer ends of said sections and the inductance of said

one auxiliary coil being approximately equal to the shunt capacitance effective between said line windings of one of said sections multiplied by the square of the impedance of a terminal load with which said network is to operate and divided by the factor $(0.5+K)$ when K has a value falling between 0.3 and 0.4.

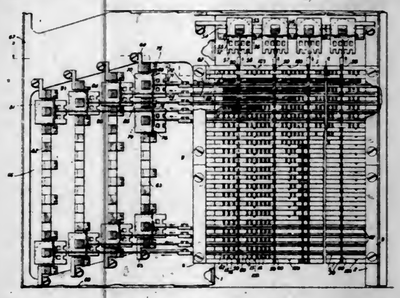
2,362,550
ROTARY ENGINE
Carl B. Hansen, San Francisco, Calif.
Application October 11, 1943, Serial No. 505,886
3 Claims. (Cl. 123—11)



3. In a rotary engine, a housing having an annular chamber wherein charges of fuel are exploded, a shaft journaled in the housing and arranged concentrically with respect to the chamber, a plurality of piston carrying wheels mounted for independent rotary movement on the shaft, a set of spaced and circularly arranged pistons carried by each wheel and mounted for circular movement in the chamber, a plurality of spaced cam members arranged for rotary and circular movement about the shaft, cam engaging members carried by the wheels, the cam engaging members and the cams being so constructed and arranged that when explosions occur in the chamber the set of pistons will be guided in a definite manner away from and toward one another on their power and compression strokes and at the same time the cam members will be simultaneously rotated and moved circularly, and means connecting the cam members and the shaft, whereby when the cam members are moved circularly the shaft will be rotated.

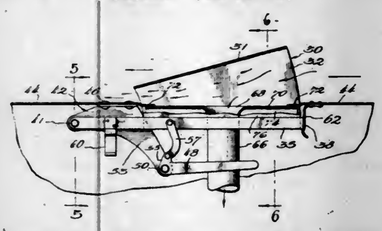
2,362,551
SWITCHING MECHANISM
Henry C. Harrison, Port Washington, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 10, 1943, Serial No. 513,793
5 Claims. (Cl. 179—27.54)

1. In a cross bar switch, coordinately arranged cross bars in which the hold bars are flexible and located horizontally while the select bars are located vertically, horizontally located insulation plates, vertical contact strips secured to the plates, horizontally located sets of contact springs at each cross-point of the coordinate bars, an operating card secured to each set of contact springs and controlled by said springs so as to normally engage one of the associated vertical strips under tension of said springs to regulate the normal air-gap between the springs and the corresponding contact strips and further so arranged that when the card is moved away from said vertical strip, said springs will yieldingly make contact with the respective vertical contact strips, a magnet for each select bar for shifting it longitudinally, a magnet for each hold bar for shifting it longitudinally, means on said select bars and hold



bar for flexing all hold bars by any select bar when shifted at the cross-points where the shifted select bar crosses the hold bars, means on any hold bar operative after it has been flexed and when it is shifted for engaging the card at the point where this hold bar crosses the shifted select bar and for moving it to shift the associated springs into engagement with the associated vertical strips.

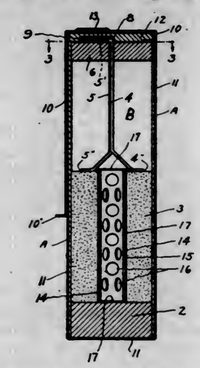
2,362,552
SCOOP FOR AIRCRAFT
Seymour E. Heymann, Chicago, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application April 2, 1943, Serial No. 481,553
1 Claim. (Cl. 98—1)



A retractible air scoop comprising a scoop having parallel side walls and an outer wall, said outer wall conforming in contour to the skin of the aircraft, a pivotal supporting means for said scoop comprising a pivot spaced from one end of the scoop so that when said scoop is swung outwardly it will present a large air inlet opening and a substantially smaller outlet opening, means providing in the airplane skin an air supply opening beneath such scoop and a pair of slots receiving the side walls of the scoop.

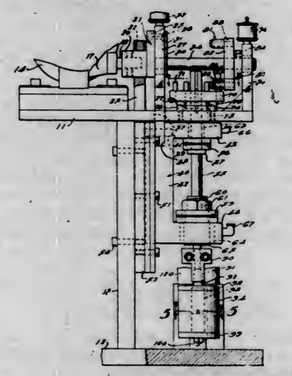
2,362,553
NATURAL COLORS FLOATING SIGNAL
Raymond C. Hitt, Seattle, Wash.
Application March 17, 1943, Serial No. 479,529
1 Claim. (Cl. 9—8)

A floatable device for providing a smoke signal for daylight use at sea, comprising a tube, a relatively heavy base therein for maintaining the tube in perpendicular position while floating, a charge of smoke producing chemicals packed above the base, and provided with a perpendicular flue through the charge for flow of smoke therefrom as the charge is burned to prevent loss of the natural colors provided by the charge, a fuse for igniting the charge, the tube provided with an open space centrally located above the charge for buoyancy and for formation of smoke and gases therein above the charge, a cover for the upper end of the tube provided with a relatively small hole therein for passageway for said



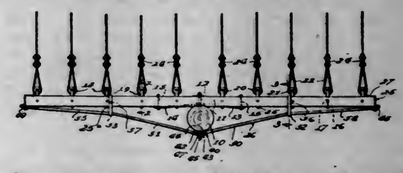
ignition fuse and for escape of smoke and vapors from the burning charge, a plaster of ignition material on the top of the cover adjacent the upper end of said fuse and a cap for protecting the plaster and provided with abrasive material thereon for igniting the end of the fuse, said fuse extended to the charge for igniting the same, and a waterproof sheathing over the device to prevent the entrance of moisture.

2,362,554
CYLINDRICAL PLUG GAUGE WEAR TESTING DEVICE
George Hohwart, Orchard Lake, Mich., assignor to N. A. Woodworth Company, Ferndale, Mich., a corporation of Michigan
Application December 29, 1943, Serial No. 516,022
8 Claims. (Cl. 73—7)



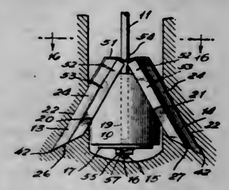
1. A wear testing mechanism for testing a gauge member having a cylindrical gauge surface, comprising a wear member adapted to be pressed against said surface, means for pressing the wear member against the surface, means for reciprocating the members relatively along the axis of the surface, and means for automatically turning the members relatively substantially at the completion of each stroke in the reciprocatory movement.

2,362,555
CROSSARM FOR ELECTRIC LINES
David C. Hubbard, Centralia, Mo., assignor to A. B. Chance Company, Centralia, Mo., a corporation of Missouri
Application December 19, 1941, Serial No. 423,611
3 Claims. (Cl. 189—33)



3. In a cross arm assembly, the combination of a cross arm and pole having bores for receiving a through bolt, with a securing fixture carried by said bolt located on said pole, said securing fixture having a groove therein for receiving a tension member, and said groove having a depression for receiving a complementary depression in the tension member, a tension member located on the side of the pole opposite to the cross arm and passing through said fixture, said tension member being provided with threaded members at each of its ends, and said threaded members passing through a reinforcing fixture for each end of the cross arm, said reinforcing fixtures comprising U-shaped members passing about the end of the cross arm and engaging each side thereof and having means for securing the reinforcing fixtures to the cross arm, said tension member being of stiff characteristics and being pre-bent to shape, and having intermediate the pole on each end of the cross arm an angular bend located at a predetermined point to be engaged by a stirrup member passing about said cross arm and about said tension member whereby the cross arm is adapted to resist a greatly increased distributed force applied in a horizontal direction to the cross arm in a direction extending oppositely to the direction of the tension member with respect to the cross arm.

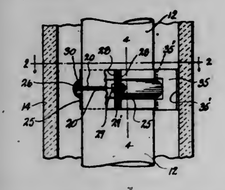
2,362,556
EARTH ANCHOR
David C. Hubbard, Centralia, Mo., assignor to A. B. Chance Company, Centralia, Mo., a corporation of Missouri
Application November 7, 1942, Serial No. 464,916
2 Claims. (Cl. 189—92)



1. In an earth anchor the combination of a substantially cylindrical body having an axially extending bore with a guy rod having a threaded lower end, extending through and projecting from said bore, said cylindrical member having a pair of diametrically oppositely disposed acutely beveled surfaces on its upper end and having means on its lower end for supporting and preventing rotation of a nut carried by the threaded end of said guy rod, a pair of expanding members comprising thick members, one disposed on each side of said guy rod and extending longitudinally of said guy rod, said expanding members being pro-

vided on their inner lower sides with acutely beveled surfaces substantially parallel to the beveled surfaces on said cylindrical member, thereby forming sharp edges at the outer lower portions of said expanding members, and said expanding members being formed at their upper edges with flat surfaces for engagement with a tamping bar, and a pair of bendable metal straps located on each side of said guy rod, said straps being secured to said expandable members with the expandable members in the folded position which is substantially parallel to said guy rod whereby an axial thrust applied to the expandable members at their upper ends causes the expandable members to be spread due to the camming action of the said beveled surfaces until the expandable members have their sharp edges driven into the adjacent earth in an anchor hole.

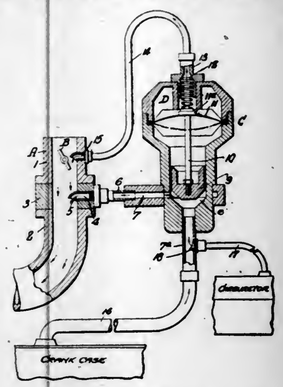
2,362,557
PIPE CONNECTION
Alfred H. Jahns, Seattle, Wash.
Application February 1, 1943, Serial No. 474,299
2 Claims. (Cl. 285—22)



1. In combination, a flue comprising pipe sections of like diameter, in end to end relationship and an insulating sleeve of larger diameter enclosing the flue, each section of the flue having an integral peripheral flange at its end, outturned therefrom at a right angle, and said flanges of adjacent sections being in registering abutment, a split collar applied tightly about the sections across the joint, and formed at its ends with out-turned wings, and a clamping bolt applied through said wings to tighten and hold the collar about the sections; said collar having a continuous, outwardly formed bead therein providing an inwardly opening channel confining the flanges therein with substantial clearance, and a resilient fireproof packing filling the channel about the joint and spacers between the flue sections and sleeve.

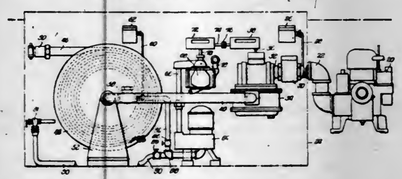
2,362,558
FUEL ECONOMIZER
Eduardo Janzich, Montevideo, Uruguay
Application February 25, 1943, Serial No. 477,120
3 Claims. (Cl. 123—119)

1. A fuel economizer for internal combustion engines, including, in combination, an air duct leading to the intake manifold of the engine, a primary aspirating nozzle in the air duct, and means for controlling communication of said nozzle with tube means leading to the crank case and the carburetor, said means comprising a gas control valve biased to closed position by spring pressure and opened by vacuum in a chamber at one side of a diaphragm, a control nozzle in the air duct up-stream of the aspirating nozzle and in piped relation to the said chamber, and a throttle valve in the air duct for controlling the passage of air therein, said throttle valve being arranged so as to open and close the mouth of the control nozzle thereby to permit vacuum in the air duct to operate said diaphragm and cause the gas control valve to



open and also permit vacuum in the air duct to aspirate gases through said primary aspirating nozzle into the air stream of said duct.

2,362,559
AIRPORT FUELING MECHANISM
Robert J. Jauch and Frederick W. Sturm, Fort Wayne, Ind., assignors to The Wayne Pump Company, Fort Wayne, Ind., a corporation of Maryland
Application April 7, 1944, Serial No. 530,000
11 Claims. (Cl. 222—23)

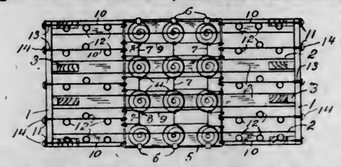


4. In liquid dispensing apparatus, the combination of a liquid flow line, delivery means for dispensing liquid supplied through said flow line, said delivery means comprising a flexible collapsible hose adapted to be in collapsed condition when empty as when the apparatus is in inoperative condition, means for closing the delivery end of the hose, and means for subjecting the inside of the hose to vacuum conditions for removing liquid from the hose after the delivery end is closed thereby reducing the internal pressure in the hose below the outside atmospheric pressure to thereby cause said hose to be in collapsed condition.

2,362,560
SPRING CONSTRUCTION
Carroll Glenn Joyce, Carthage, Mo., assignor to Leggett and Platt, Incorporated, Carthage, Mo., a corporation of Missouri
Application November 6, 1942, Serial No. 464,763
3 Claims. (Cl. 5—246)

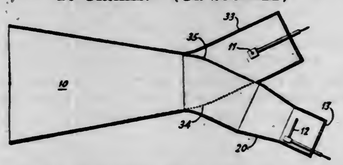
1. In a spring construction of the kind described, in combination with a wooden supporting frame comprising longitudinal slats and two cross end members mounted thereon and having each in its upper side slots transverse thereto, of upright coil springs supported at their lower ends on said slats, an intermediate frame, means attaching said intermediate frame to the

upper ends of said coil springs between and spaced from said end members, two sets of longitudinally elastic resilient metal strands attached to said intermediate frame, the strands of one of said sets extending to the upper side of one of said end members and respectively through the slots thereof, the strands of the other



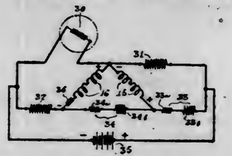
set extending to the upper side of the other end member and through the slots thereof respectively, and means having engagement with said end members fastening said two sets of strands against the sides respectively of said end members which sides are most distant from each other.

2,362,561
HORN RADIATOR
Martin Katzin, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application December 12, 1940, Serial No. 369,826
10 Claims. (Cl. 250—11)



2. Means for coupling a pair of independent transducer means to a tapered horn antenna comprising a pair of elongated resonant chambers each closed at one end and adjacent each other, an elongated antenna mounted transversely within each of said chambers, said antennae being adapted to operate at substantially different frequencies, the dimensions of each of said chambers transverse to the antenna therewithin being at least half of the operating wavelength of said antenna and means for coupling the open end of said chambers to the small end of said horn, and means at the junction of said chambers with said horn for preventing interaction between said antennae.

2,362,562
METER SYSTEM
Frederick G. Kelly, West Orange, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application July 8, 1942, Serial No. 450,222
13 Claims. (Cl. 171—95)



1. In a meter of the type comprising a magnet and a spindle on which said magnet is mounted for rotation, and coil means for creating a magnetic field effective on said magnet: a damping box of material of high conductivity within which said magnet is rotatable, said box comprising base and cover members, said base member being provided with a bearing for said spindle, and said cover member being provided with a spindle-passing aperture and a cut-through slot from said aperture to the periphery of said cover member.

2,362,563
PARASITICIDAL PREPARATIONS
Elbert C. Ladd, Passaic, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application May 6, 1943,
Serial No. 485,885
5 Claims. (Cl. 167—30)

1. A fungicidal composition comprising a carrier and 5,6-dichloro-2-cyclohexenedione-1,4 as an essential active ingredient.

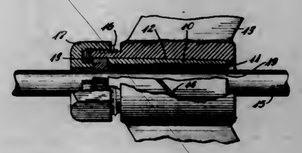
2,362,564
PARASITICIDAL PREPARATIONS
Elbert C. Ladd, Passaic, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application May 6, 1943,
Serial No. 485,886
5 Claims. (Cl. 167—30)

1. A fungicidal composition comprising a carrier and 2,2,4,6,6-pentachloro-3-cyclohexenedione-1,3 as an essential active ingredient.

2,362,565
PARASITICIDAL PREPARATIONS
Elbert C. Ladd, Passaic, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application May 6, 1943,
Serial No. 485,887
5 Claims. (Cl. 167—30)

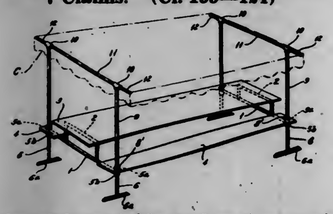
1. A fungicidal composition comprising a carrier and 2,3,5,5,6,6-hexachloro-2-cyclohexenedione-1,4 as an essential active ingredient.

2,362,566
BEARING
Ronald Lappert, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application December 1, 1942, Serial No. 467,505
4 Claims. (Cl. 308—71)



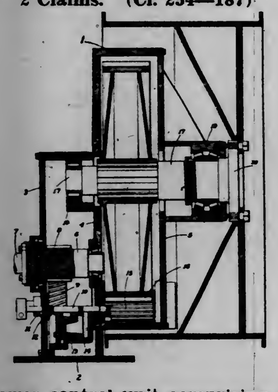
1. A liquid-lubricated bearing in which resilient rubber-like material provides the bearing face, said bearing comprising a tapered tubular element circumferentially discontinuous to permit change in size when said element is forced axially along a tapered surface for adjusting it, and resilient rubber-like material on said element presenting a bearing face of the rubber-like material and accommodating change in size of said element by virtue of the resilient flexibility of the rubber-like material.

2,362,567
KNOCKDOWN PICNIC TABLE
John C. La Rue, Bainbridge, Ohio
Application May 6, 1941, Serial No. 392,073
7 Claims. (Cl. 155—124)



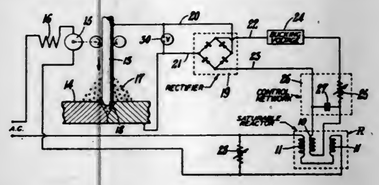
6. A knockdown table and seat comprising a plurality of duplicate straight seat-supporting members, table-supporting members, means attaching said table-supporting members in parallel arrangement above said seat-supporting members, a substantially inverted T-shaped leg having rotatably adjustable connection with each end of each of said seat-supporting members so that the T-head may occupy position at 90 degrees to the seat-supporting member for supporting the same or be turned to dispose the T-head in the plane of the table and seat supporting members for convenience in stacking into substantially flat condition when the table and seat members are removed, and removable flat seat and table members.

2,362,568
REVERSIBLE POWER CONTROL UNIT
Robert G. Le Tourneau, Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif., a corporation
Application July 10, 1942, Serial No. 450,390
2 Claims. (Cl. 254—187)



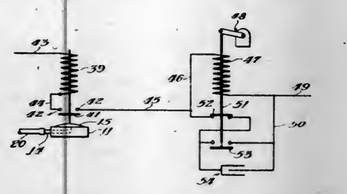
1. A power control unit comprising a housing which includes a front portion and a rear cylindrical portion extending above the front portion but terminating at the bottom above the base of the front portion, a shaft journaled in the housing axially of the rear portion, a bull gear on the shaft in said rear housing portion, means in the front portion of the housing to control the rotation of the gear and having a pinion meshing therewith and a cable drum secured on the rear end of the shaft rearwardly of the housing and overhanging said rear portion thereof; the drum at the bottom being above the base of the front portion of the housing whereby said base may rest on a supporting surface without interference from the drum.

2,362,569
AUTOMATIC ELECTRIC CONTROL SYSTEM
Roscoe R. Lobosco, Elizabeth, N. J., assignor to The Linde Air Products Company, a corporation of Ohio
Application January 27, 1943, Serial No. 473,679
8 Claims. (Cl. 314—71)



1. An automatic electric control system comprising, in combination, means for deriving from a welding circuit a component the value of which varies in accordance with a welding characteristic that is to be controlled, means including a saturable reactor for amplifying said component, and means including a saturable reactor for utilizing said amplified component to control said characteristic whereby the latter is maintained at a substantially constant predetermined value.

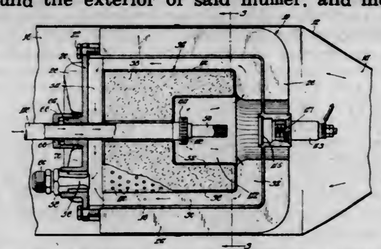
2,362,570
OPERATING DEVICE FOR IMPULSE-CONTROLLED INSTRUMENTS
Harold L. McCleery, Downers Grove, Ill.
Application October 7, 1942, Serial No. 461,224
9 Claims. (Cl. 175—320)



1. An operating device for an impulse-controlled instrument, comprising: an impulse-operated switch having fixed and movable contacts and means whereby an impulse may be transmitted to the movable contact to close the switch, a switch arm carrying said movable contact an instrument-actuating relay connected in series with said switch, and an electromagnetic device arranged to be energized by the momentary closing of said contacts and to hold said switch arm in contact-closing position so as to maintain a closed circuit to said relay for a predetermined time sufficient to insure operation of the relay irrespective of the duration of the closing impulse.

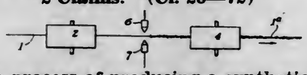
2,362,571
HEATER
Henry J. De N. McCollum, Chicago, Ill.
Application September 2, 1942, Serial No. 457,001
8 Claims. (Cl. 126—116)

1. In a heater of the class described, the combination of a muffler having a recess formed in one end thereof, a pipe extending through said muffler and supplying a combustible mixture to said recess, heat exchange means enclosing said muffler and providing a passage for burned gases around the exterior of said muffler, and means



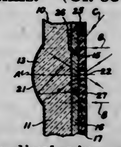
for directing ventilating air over said heat exchange means.

2,362,572
ELECTRICAL PROCESS OF PRODUCING VILLOUS OR PUBESCENT SYNTHETIC YARN
William R. McLain, Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application November 4, 1943, Serial No. 508,978
2 Claims. (Cl. 28—72)



1. The process of producing a synthetic pubescent yarn closely simulating spun yarn which comprises cutting a strand of preformed synthetic continuous filaments into staple fibers by passing the strand through the arc formed between two electrodes supplied with a high potential electric current.

2,362,573
PROJECTION SCREEN
Stephen M. MacNeille, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application June 3, 1942, Serial No. 445,579
15 Claims. (Cl. 88—28.90)



1. A screen for displaying optical images projected thereonto by a projector in front of the screen comprising a transparent support having opposite sides, a light reflecting surface at the rear of said support and having elements for focusing reflected light at the front of said support, and a light polarizing means at the front side of said support and having non-polarizing areas at the foci of said elements, the polarizing areas of said means twice intercepting and substantially cutting off extraneous light but at most only once intercepting the light from the projector which is reflected by said elements through said non-polarizing areas.

2,362,574
METHOD OF COATING SHOE SURFACES
Charles H. Magurn, Arlington, Mass., assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application June 27, 1941, Serial No. 400,013
2 Claims. (Cl. 12—142)

1. The method of making an article of footwear comprising rubber-like material having a portion of the surface of the upper coated adjacent to a sharply-defined uncoated portion, which method comprises providing as an independent assembly a layer of tacky extensible resilient footwear building material having a superimposed layer of extensible masking material lightly adhered thereto by virtue of the tacky surface, cutting from such assembled layers throughout the total thickness thereof a composite piece of final shape for use as footwear



trim while the layers remain in the adhered relationship, providing a partially completed article of footwear having an upper, then mounting the cut-out composite piece upon the surface of said upper in adhesion therewith, then applying coating material to the surface of said upper adjacent to the composite piece, then removing the layer of masking material to expose the underlying layer of extensible resilient material as a trim surface of the article.

2,362,575
METHOD FOR PREPARING ORGANIC ACID ESTERS OF CELLULOSE
Carl J. Malm, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application March 17, 1942, Serial No. 435,070
4 Claims. (Cl. 260—225)

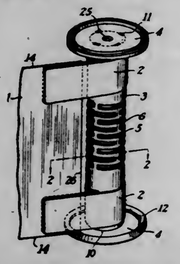
1. A dope esterification process of preparing a cellulose ester the acyl content of which essentially consists of saturated monocarboxylic fatty acid groups of 2–4 carbon atoms, 90–100% of the acyl being acetyl, which comprises pretreating cellulose with acetic acid, adding an esterifying amount of acetic anhydride having a degree of coldness which imparts a temperature of less than 40° F. to the mass after the anhydride addition and the destruction of the water present in the mass and conducting the esterification of the cellulose in the presence of a sulfuric acid catalyst and in the absence of external cooling until substantially complete esterification of the cellulose has occurred.

2,362,576
METHOD FOR PREPARING ORGANIC ACID ESTERS OF CELLULOSE
Carl J. Malm, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application March 17, 1942, Serial No. 435,071
7 Claims. (Cl. 260—225)

1. A process of preparing a lower fatty acid ester of cellulose having a high content of fatty acid groups of 3–4 carbon atoms, which comprises pretreating one part of cellulose with ¼–2 parts of a pretreating liquid essentially consisting of saturated monocarboxylic fatty acid of 2–4 carbon atoms, acetic acid predominating, and sufficient sulfuric acid to only partially breakdown the cellulose physically, until activation has occurred, inducing esterification conditions which comprises adding to the pretreated cellu-

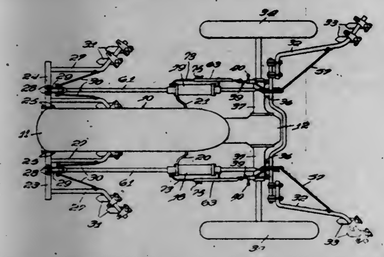
lose sufficient anhydride of at least one of the saturated monocarboxylic fatty acids of 3–4 carbon atoms to substantially completely esterify the cellulose, which anhydride has a temperature no greater than 0° F. and while maintaining a ratio of liquid to cellulose less than 6 to 1 and an amount of 3–4 carbon atom saturated monocarboxylic fatty acid radicals at least 65% of the total acyl content in the esterifying bath, continuing the reaction until substantially complete esterification of the cellulose has occurred.

2,362,577
FILM CARTRIDGE AND SPOOL THEREFOR
Joseph Mihalyi and John W. Scott, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application May 23, 1942, Serial No. 444,170
6 Claims. (Cl. 242—71)



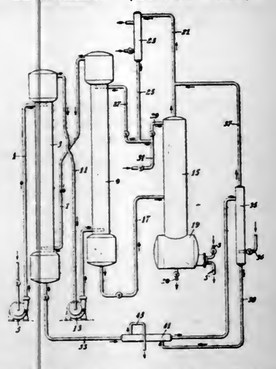
1. In a film cartridge, the combination with a strip of film of known width, of a spool on which said film may be wound comprising a one-piece core, flanges attached to the core, inwardly turned peripheries on said flanges whereby the peripheries of the two flanges lie closer together than other portions of said flanges, means included in the film core for holding convolutions of film between the inwardly turned peripheries of the flanges, said means comprising a flexible portion formed integrally in the core and of a flexibility to permit the withdrawal of film from the convolutions carried by the core through separating the spool flanges due to flexing of the film spool core.

2,362,578
POWER LIFTING ARRANGEMENT
Carl W. Mott, La Grange, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application June 30, 1942, Serial No. 449,089
8 Claims. (Cl. 97—50)



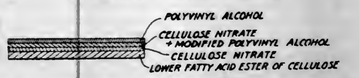
1. In combination in an earth-working implement, a running-gear frame, a first earth-working tool, a second earth-working tool, said tools being respectively connected to the frame for movement with respect thereto, an expansible motor unit floatingly connected between the working tools and energizable to extend itself to effect movement of the working tools, means for effecting delayed movement of one of the working tools with respect to another working tool including means associated with the one tool for preventing its movement while the power-operated device is extended throughout a part of its stroke in one direction, and means for stopping further extension of the motor unit in the one direction to cause the extension of said unit in the opposite direction whereby movement of the one tool is finally effected.

2,362,579
PROCESS FOR RECOVERING ORGANIC COMPOUNDS
Irvin L. Murray and Radcliffe G. Edmonds, Charleston, W. Va., assignors to Carbide and Carbon Chemicals Corporation, a corporation of New York
Application July 18, 1941, Serial No. 402,962
11 Claims. (Cl. 260—583)



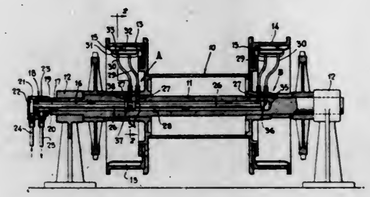
1. Process for the recovery of a mixture of ethylene amines from an aqueous solution thereof containing at least one dissolved inorganic salt, which comprises extracting said aqueous solution with an organic solvent for said amines which is inert to said amines and salt, and is at least partially immiscible with water and in which said inorganic salt is only slightly soluble, separating the resultant solvent extract containing said amines from the residual raffinate, further extracting the separated solvent extract with water, thereby forming a second aqueous solution of said amines, and separating the last-named aqueous solution of amines from the residual inorganic salt.

2,362,580
LAMINAR STRUCTURE AND ITS PREPARATION
Gale F. Nadeau and Clemens B. Starck, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application May 15, 1943, Serial No. 487,118
7 Claims. (Cl. 117—73)



1. A laminar structure comprising a cellulose ester support, a subbing layer essentially consisting of a mixture of cellulose nitrate and a polyvinyl compound, 65–85% of which is composed of polyvinyl alcohol, and a layer of polyvinyl alcohol, the layers in the structure being in the order given.

2,362,581
BRAKE COOLING SYSTEM
Leroy Newcomb, San Gabriel, Calif., assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif., a corporation of California
Application August 14, 1943, Serial No. 498,723
11 Claims. (Cl. 188—264)



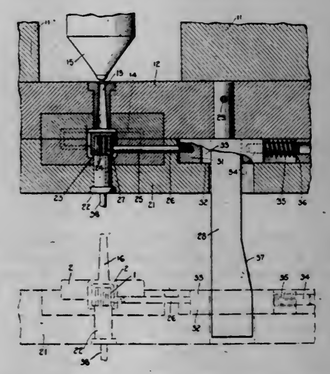
1. In a device of the character described, having at least a pair of friction devices, the combination of: a pair of annular rotatable friction-heated walls having chambers for a cooling liquid and first and second openings to provide inlet and outlet means for said chambers; a rotatable shaft member on which said walls are fixed, said shaft member having a bore extending in from one end thereof along the axis of the shaft member and through a first position near to said wall nearest the said end of said shaft member to a second position near to the other of said walls, and having in each of said positions a first and a second radial port, each first port being spaced in axial direction from each second port, and there being means for connecting said first and second ports to said first and second openings of said chambers; tube means extending through said bore and passing through said first position to said second position, the axial opening through said tube means forming a first passage and the annular space around said tube means within said bore forming a second passage which communicates with said second ports of said shaft member, the inner end of said first passage being connected to the first port in said second position; a cylindrical body on said tube means in said first position having a diameter approximating that of said bore at said first position, said body having passage means to connect said first passage with said first port in said first position and the portion of said body which extends into said second passage having an opening lengthwise thereof so that flow through said second passage will not be obstructed; and means at said front end of said shaft communicating with said first and second passages whereby cooling liquid may be circulated through the same and through said chambers of said friction-heated walls.

2,362,582
STYLUS HOLDER
Willie T. Pearson, Vicksburg, Miss.
Application March 9, 1944, Serial No. 525,754
3 Claims. (Cl. 120—9)

1. As a new article of manufacture, an attachment for pens, pencils and the like comprising an adapter sleeve structure including embracing and guide bushings, and a coiled spring suspended in said sleeve and bearing against one of said bushings and having one end constricted and arranged to frictionally embrace and grip the pen or pencil, as the case may be.



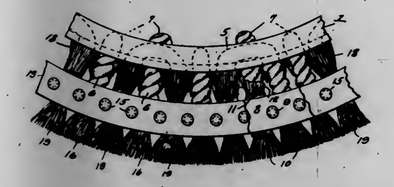
2,362,583
INJECTION MOLDING APPARATUS
Rene P. Piperoux, Radburn, N. J., assignor to Celanese Corporation of America, a corporation of Delaware
Original application April 22, 1939, Serial No. 203,476. Divided and this application December 16, 1941, Serial No. 423,139
2 Claims. (Cl. 18—42)



1. Apparatus for the production of an injection molded article containing a preformed insert adapted to enable the article to be secured to a stem or spindle by means of a set screw, comprising a mold having a front half and back half movable with respect to each other, a support corresponding substantially to the stem or spindle to which the molded article is to be secured and adapted to prevent rotation of the insert mounted thereon, a plunger movable transversely in the mold adapted to protrude through the mold space into engagement with a set screw hole in an insert to hold the supported insert in a fixed position during molding and to provide for the molding of an aperture in alignment with the set screw hole in the insert, the support being so shaped as to position an insert with its set screw hole in register with the plung-

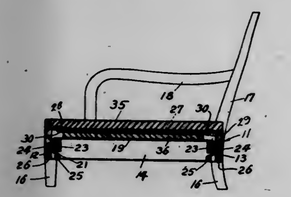
er and having a plurality of axially disposed teeth and a flat surface produced by the absence of one tooth so as to enter a correspondingly shaped recess in the insert.

2,362,584
WHEEL TIRE OR RIM
Howard Wallace Reid, Alexandria, Va.
Application September 10, 1943, Serial No. 501,867
4 Claims. (Cl. 152—17)



4. The combination with an inner ring, of parallel outer rings, lengths of cord or rope gripped between the outer rings and having brush-like outer ends cooperating to form a tread, and ropes connecting the inner and outer rings for holding the rings yieldingly normally in concentric positions.

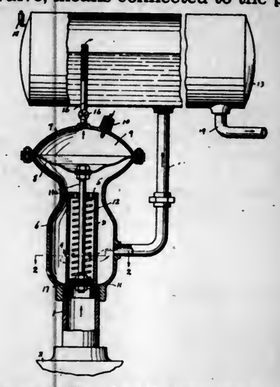
2,362,585
CHAIR CONSTRUCTION
Harold Robinson, Detroit, Mich.
Application March 3, 1943, Serial No. 477,889
10 Claims. (Cl. 155—179)



7. A furniture construction comprising a substantially rectangular frame with depending legs, a lower webbing member secured at its edges to said frame, an upper webbing member looped at its ends loosely provided within said frame in yielding spaced relation to said lower webbing, floating supporting shafts disposed within said frame and extending through the loops, and means on said frame yieldingly supporting said shafts, said upper member being adapted to yieldingly sustain a load, while said lower member is adapted for supporting cooperation therewith after initial downward movement thereof.

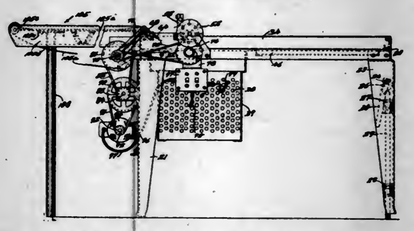
2,362,586
AUTOMATIC AIR VOLUME CONTROL
Arthur P. Ruth, Houston, Tex.
Application August 15, 1944, Serial No. 549,553
6 Claims. (Cl. 103—6)

1. An automatic air volume control for a water system comprising a tank, a water line connected into the tank, a cylinder having a port, a piston in the cylinder exposed to the pressure of the water in said line, and adapted to be moved by said pressure to uncover said port, an air chamber having an inlet valve, a conduit leading from said chamber into the tank and having a back pressure valve, means connected to the piston for



varying the capacity of said chamber and a yieldable member for returning the piston.

2,362,587
PRINT DEVELOPING MACHINE
Robert Sardeson, Lester D. Friel, Harry Merwin Dye, and Glen M. Dye, Minneapolis, Minn., assignors to Pako Corporation, Minneapolis, Minn., a corporation of Delaware
Application August 29, 1941, Serial No. 408,824
20 Claims. (Cl. 95—89)

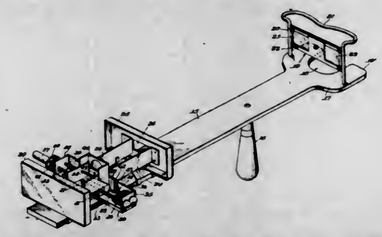


1. A photo print handling device having in combination, a tray adapted to contain liquid, means for feeding prints to said tray, a ducker adjacent said means comprising a rotating paddle wheel having vanes extending transversely of said tray throughout the width thereof, said vanes moving through the liquid in said tray to engage prints with their edges and flat sides to submerge said prints in said liquid and also acting to induce a current of said liquid rearwardly of said tray and means closely adjacent the front side of said wheel for guiding prints thereunder.

2,362,588
DEVICE FOR MEASUREMENT OF STEREOSCOPIC VISION
Carl F. Shepard, Chicago, Ill., assignor of one-half to Donald P. Mossman, Sr., Park Ridge, Ill.
Application June 22, 1942, Serial No. 448,035
3 Claims. (Cl. 88—20)

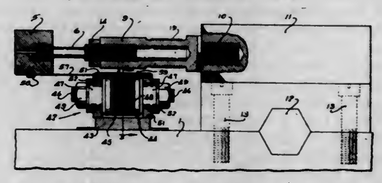
1. In an apparatus of the character described for determining the accuracy of spaced relationships, the combination of two elements of opposed light transmission properties, each of which elements is provided with a target aperture, said apertures being normally out of register, and each target being substantially identical in shape and size, two additional elements, each

of which has the same properties of light transmission as one of the first recited elements, one of the second recited elements being individual to each eye of the observer, and means for relatively moving said target apertures in the plane of the first said elements, to cause said target apertures to be moved into and out of registration, substantially across the line of vision of the subject, whereby the direction of light



rays entering each eye from its corresponding target aperture may be controlled, the position of the target apertures with relation to each other serving to determine the relative direction of the line of vision of each eye, at the time when the subject mentally fuses the two retinal images into one mental image projected into space, while maintaining binocular single vision of a predetermined point at a distance other than the plane of the target apertures.

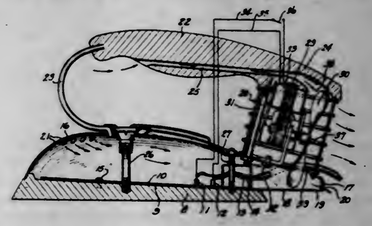
2,362,589
DYNAMOMETER AND EXTENSOMETER FOR IMPACT TESTING
Edward E. Simmons, Jr., Pasadena, Calif.
Original application February 23, 1940, Serial No. 320,327. Divided and this application January 7, 1942, Serial No. 425,913
12 Claims. (Cl. 73—89)



1. In combination, an impact dynamometer bar having one of its ends anchored and the other end supporting a specimen, a tup secured to the specimen to receive an impact blow and thereby transmit the blow through the specimen to said dynamometer bar, and a continuous solid filament of electrical conducting material whose electrical resistance varies with its strain, said filament being bonded throughout its effective length to said dynamometer bar so as to be responsive to the strain therein, thereby to determine the impact load actually transmitted to the specimen.

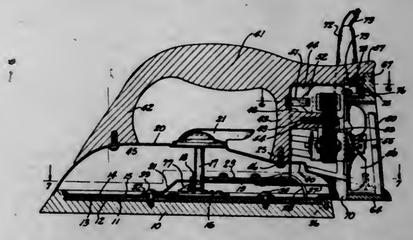
2,362,590
FLATIRON
Alva T. Smith, Milwaukee, Wis., assignor to The Sunlite Mfg. Company, Milwaukee, Wis., a corporation of Wisconsin
Application December 13, 1939, Serial No. 308,891
2 Claims. (Cl. 38—89)

1. In a flat iron having a body portion and handle, said body portion including a housing, a fan mounted on said iron at the rear thereof, a cage for said fan which has a rear opening and which has a front opening communicating with the exterior space between the iron handle and housing above said housing, said fan having



blades shaped to draw heated air from the space over the iron housing and adapted to discharge air from the rear opening of the fan cage onto fabric over which the iron has passed to evaporate moisture remaining in said fabric.

2,362,591
PRESSING IRON
Alva T. Smith, Milwaukee, Wis., assignor to The Sunlite Mfg. Company, Milwaukee, Wis., a corporation of Wisconsin
Application February 20, 1942, Serial No. 431,656
5 Claims. (Cl. 38—75)

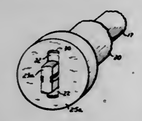


1. In a sadiron having a sole plate and having a handle provided with a rear support, relatively rigid conductors for receiving electric current from an outside source secured to the rear support and extending downwardly adjacent said rear support toward the sole plate, prong receiving yielding clips electrically connected to said conductors and projecting therefrom, a motor, conductor prongs projecting from the motor and forming terminals from the electric circuit of the motor, a rear fan supported on said motor and driven by the motor in a direction to propel air rearwardly of the iron, said motor prongs being slidably engaged with said prong receiving clips of the conductors, and a rear fan cage having a part readily removably connected to the rear support of the handle and preventing removal of the motor when in place, said fan cage having a rear opening through which air from the fan is propelled.

2,362,592
OVERLOAD RELEASE
William R. Spiller, Dayton, Ohio, assignor to Harris-Seybold-Potter Company, Cleveland, Ohio, a corporation of Ohio
Application May 8, 1941, Serial No. 392,592
10 Claims. (Cl. 64—28)

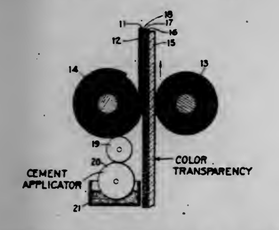
4. In a load limiting device, the combination of driving and driven rotary elements, means projecting from each of said elements in a com-

mon plane normal to the axis of rotation but at different radial distances from said axis, means cooperating with said projecting means for transmitting torque between said elements up to



a predetermined value including parts engaging said projecting means, and an outer frangible part subject to stress in tension under load and located radially outwardly of and enclosing said projecting means and said engaging means.

2,362,593
METHOD OF MASKING COLOR TRANSPARENCIES
Henry C. Staehle, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application March 20, 1941, Serial No. 384,389
7 Claims. (Cl. 154—40)



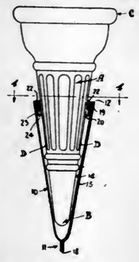
6. The method of laminating a light-sensitive masking layer to a color transparency, having an emulsion on one side thereof, which comprises transferring the light-sensitive emulsion layer and permanent support of a stripping film including a permanent support, temporary support and sensitive emulsion layer, from said temporary support to a cylindrical surface of one of a pair of rolls, passing the color transparency between the rolls with the emulsion side of said transparency in contact with said permanent support, and cementing the permanent support to the color transparency.

2,362,594
PARASITICIDAL PREPARATIONS
William P. ter Horst, Pompton Plains, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application May 6, 1943, Serial No. 485,896
5 Claims. (Cl. 167—30)

1. A fungicidal composition comprising a carrier and 2,3,5,6,6-pentachloro-4-methyl-2,4-cyclohexadienone as an essential active ingredient.

2,362,595
ICE CREAM CONE HOLDER
Theodore E. Torrison, Robbinsdale, Minn.
Application September 30, 1943, Serial No. 504,493
4 Claims. (Cl. 229—1.5)

1. A holder for an ice cream cone for receiving drippings from the cone and protecting the hand from such drippings, comprising a holder member of a shape corresponding to that of the cone itself and formed of a flexible material, the said holder member having a closed lower end and an open upper end for loosely receiving the cone, and tab members turned inwardly and downwardly from the upper end of the holder



member for engaging the cone and supporting it in spaced relation within said holder member, said tab members being spaced apart where they meet said upper end of the holder member to thereby form spaces for the passage of drippings downwardly within said member.

2,362,596
ORNAMENTAL ELEMENT FOR USE IN FORMING DECORATIVE MATERIALS
Samuel L. Trattler, Brooklyn, N. Y., assignor to Jeane Trattler, Brooklyn, N. Y.
Application December 20, 1941, Serial No. 423,864
3 Claims. (Cl. 41—10)



3. A decorative material adapted to be fastened to a fabric and comprised of a plurality of hollow rectangular shaped ornamental elements strung together by cords, each of said elements having an ornamental front portion and side walls provided with holes therethrough to receive said cords and also with vertically extending recesses in which the end portions of the cords at the side edges of the decorative material may be positioned when said decorative material is to be fastened to the fabric.

2,362,597
FENCING MASK
Joseph D. Vince, New York, N. Y.
Application October 21, 1941, Serial No. 415,957
1 Claim. (Cl. 2—9)



The combination of a fencing mask proper with a detachable unit, the latter comprising a head support, elongated springy wires integral with said head support and adapted to extend downwardly and inside of said mask, a face rim fixedly secured to said wires, and a bib and chin pad integral with said face rim, and means for securing said unit to the fencing mask proper.

2,362,598
COLOR FORMING COMPOUNDS CONTAINING SULPHONAMIDE GROUPS
Paul W. Vittum, Willard D. Peterson, and Henry D. Porter, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Original application April 5, 1939, Serial No. 266,152, now Patent No. 2,271,238, dated January 27, 1942. Divided and this application July 26, 1941, Serial No. 404,234. In Great Britain March 31, 1939
6 Claims. (Cl. 95—6)

5. A color-forming photographic developer comprising a primary aromatic amino developing agent and a coupler compound containing only a single coupling function and having the formula:

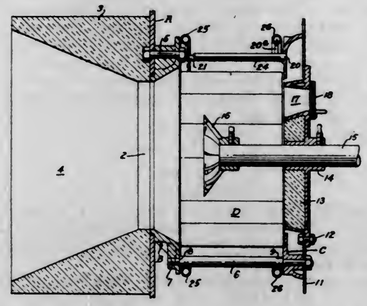
$$R—SO_2—NH—Z$$

where Z is selected from the class consisting of phenol and naphthol radicals and R is an aryl radical devoid of hydroxyl groups, sulphonic groups and leuco dyes.

2,362,599
COLOR PHOTOGRAPHY
Paul W. Vittum, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application September 10, 1942, Serial No. 457,869
2 Claims. (Cl. 95—2)

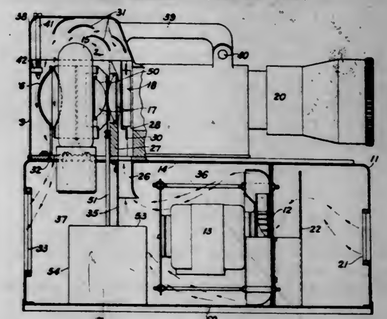
1. The method of producing a natural-color image in a multi-layer photographic material, at least one lower layer of which is a silver halide layer containing dispersed particles of a solution of color-former and a water-permeable, water-insoluble solvent for the color-former, and the top layer of which is a silver halide layer free of color-forming material, which comprises exposing both layers of said material and developing them in a color-forming developer containing a coupler which diffuses only through the top layer in the time required to develop all of the layers.

2,362,600
AIR REGISTER
Joseph T. Voorheis, Oakland, Calif., assignor to Coen Company, San Francisco, Calif., a corporation of California
Application April 2, 1941, Serial No. 386,480
7 Claims. (Cl. 158—1.5)



1. In a furnace having an opening formed therein for the introduction of a combustible fuel and air to support combustion of said fuel, an inner ring shaped frame secured to the front of the furnace and surrounding the opening formed therein, an outer ring shaped frame secured to the first named frame and spaced therefrom, a burner pipe secured in the outer frame and adapted to support a burner whereby fuel is supplied to the furnace, a plurality of pairs of vanes pivotally supported between the inner and outer frames, and means for adjusting said vanes to direct incoming air both tangentially and longitudinally and to control the tangential flow whereby spinning movement of the air as it enters the furnace may be varied from a predetermined maximum to a substantially longitudinal flow.

2,362,601
SLIDE PROJECTOR
Raymond W. Wengel, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application July 19, 1941, Serial No. 403,165
14 Claims. (Cl. 88—26)



1. In a projecting apparatus, the combination with a frame, a member movably mounted on said frame and adapted to move an image area into and out of the path of a projecting light, a shutter movable into and out of position to interrupt the projecting light on said area, of means for moving said shutter into said position, fluid pressure means for moving said shutter out of said position, control means for rendering the first moving means operative to move said shutter into said position, and valve means for said fluid pressure means connectable to and controlled and actuated directly by said member during the movement thereof for rendering said second moving means operative to move said shutter out of said position when said area is moved into said path.

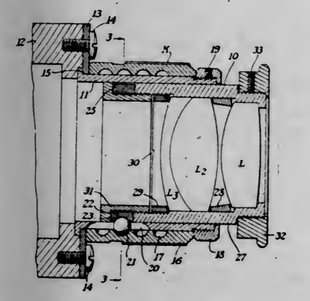
2,362,602
HYDRAULIC POWER TRANSMISSION PUMP OR MOTOR
Max C. Whitmore, Chicago, Ill.
Application May 15, 1939, Serial No. 273,804
9 Claims. (Cl. 103—120)



1. Apparatus of the class described, comprising, in combination, a housing having a plurality

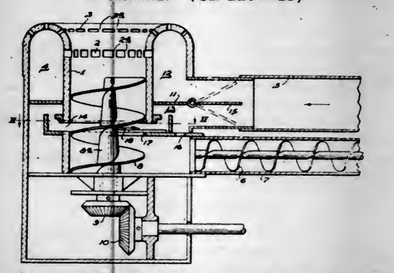
of ports therein, a sleeve rotatable within said housing and having a plurality of ports therein providing fluid communication between said housing ports, and a plurality of members cooperating with said housing and said sleeve and movable to different positions respecting the sleeve and the housing for rotatably supporting said sleeve in spaced relation to said housing, said members having fluid tight cooperation with the housing and the sleeve whereby to prevent the flow of fluid past said members intermediate the sleeve and housing and thereby direct the flow of fluid through said housing or neutralize said flow in accordance with the position of said sleeve ports respecting the same, and rotary pumping means within the interior of said sleeve, said pumping means and said interior being so constructed and arranged with respect to each other that in certain rotative positions of said sleeve low fluid pressure is produced within said sleeve on the side of said interior which is in communication with one of said sleeve ports and high fluid pressure is produced on the side of said interior which is in communication with another of said sleeve ports, said two sides of said interior being continuously cut off from communication with each other by said pumping means, and in other rotative positions of said sleeve, said sleeve ports are reversed as to communication with said high and low pressure sides of said interior.

2,362,603
FOCUSING LENS MOUNT
Otto Wittel, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application August 26, 1943, Serial No. 500,084
6 Claims. (Cl. 88—57)



1. A focusing lens mount for an optical instrument comprising in combination a tube member having an axially extending elongated slot in the wall thereof, a focusing ring rotatably mounted in concentric relation with and on the exterior of said tube and normally held against axial movement, a spiral track formed on the inner surface of said ring, a lens carrying mechanism slidably mounted in said tube to move axially thereof for focusing purposes, and including a member extending through said elongated slot and normally held in engagement with said track and held against movement relative to said carrying mechanism axially of the tube, a lens carrying sleeve adapted to telescope with said tube, and means for detachably connecting said sleeve to said carrying mechanism to be moved axially of the tube therewith and thereby for focusing purposes.

2,362,604
STOKER
Calvert C. Wright, State College, Pa., assignor to Pennsylvania Bituminous Coal Research, Inc., Altoona, Pa., a corporation of Pennsylvania
Application November 10, 1943, Serial No. 509,651
2 Claims. (Cl. 110—45)



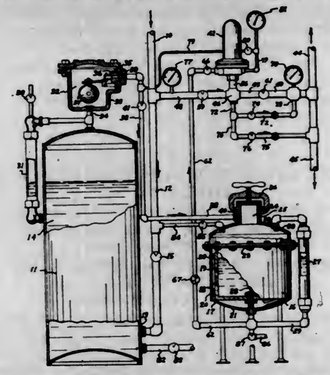
1. An underfeed stoker comprising the combination of a substantially vertical retort provided with a main combustion tuyère at the upper portion where active combustion occurs, means for supplying coal to the lower end of said retort, a vertical shaft screw conveyor disposed in said retort for moving coal upwardly in the retort while mixing it thoroughly and maintaining substantial uniformity of size distribution, the upper end of said screw being disposed below the plane of said tuyère, a supplementary tuyère having a continuously unobstructed opening disposed in the retort wall below said main combustion tuyère for supplying an oxidizing agent to the coal engaged by said screw in a region where the coal is heated but not plastic, conduits for supplying said oxidizing agent to the said tuyères, and a scraper member extending into said supplementary tuyère opening and connected to the shaft of said screw conveyor to lag the horizontal component of the upward thrust of the screw in the plane of the supplementary tuyère opening.

2,362,605
TREATMENT OF STEROL-CONTAINING SUBSTRATES
Lester Yoder, Ames, Iowa, assignor to Iowa State College Research Foundation, Ames, Iowa, a corporation of Iowa
No Drawing. Application April 22, 1942, Serial No. 440,115
12 Claims. (Cl. 260—397.2)

1. In a process for the treatment of sterol-containing substrates, the step of mixing a substrate containing a sterol having one reactive double bond in the hydrophenanthrene nucleus with oxalic acid in a solvent of the class consisting of hydrocarbons and halogen derivatives of hydrocarbons to form an oxalic acid addition product of the sterol.

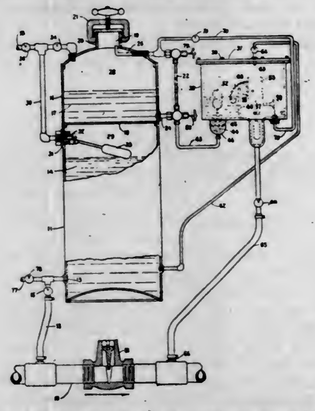
2,362,606
FEEDER
Lawrence E. Albertson, St. Paul, and Henry M. Mueller, Minneapolis, Minn., assignors to The McKays Company, St. Paul, Minn., a corporation of Delaware
Application September 18, 1941, Serial No. 411,354
33 Claims. (Cl. 210—31)

1. In a feeder apparatus, a mixing chamber consisting of an inverted hollow member having a perforated bottom, means for feeding a first liquid into said inverted hollow member through its perforated bottom, a nozzle for feeding a second liquid into an upper portion of said inverted hollow member spaced from said perforated bottom, a discharge pipe leading from a portion of



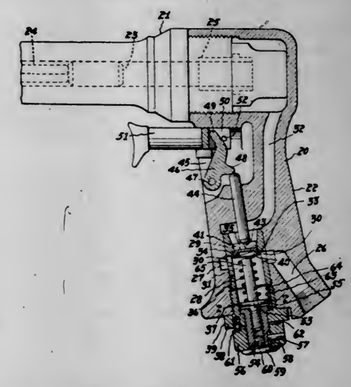
the hollow member between said perforated bottom and said nozzle, and means for accomplishing the feeding of controlled amounts of air into said mixing chamber.

2,362,607
FEEDER
Lawrence E. Albertson, St. Paul, Minn., assignor to The McKays Company, St. Paul, Minn., a corporation of Delaware
Application July 24, 1943, Serial No. 495,992
19 Claims. (Cl. 210—31)



1. In a feeder apparatus, instrumentalities for causing a first and a second liquid substance from different sources under pressure to become intermingled in predetermined proportions for delivery as a mixture of the intermingled liquid substances to a location for use, comprising a pipe connection for flow of said first liquid substance from a source thereof under head pressure to said location of use, a receptacle including a container and a mixture receiving compartment, means for causing pressure within said receptacle to have value less than the value of said head pressure, means responsive to said head pressure for causing a portion of said first liquid substance to be fed to said mixing compartment of said receptacle, a reservoir adapted to contain said second liquid substance, means for causing pressure of air under pressure of said head pressure to be exerted upon the second liquid substance in said reservoir, a connection between said reservoir and said container adapted to convey a portion of the second liquid substance from the reservoir to the container in response to the action of said pressure of air under pressure of said head pressure, means in said receptacle for successively causing measured quantities of the second liquid substance to be fed from said container to said mixture receiving compartment, and a discharge outlet from said mixture receiving compartment connecting with a portion of said pipe connection at the side of the receptacle opposite the source of said first liquid substance.

2,362,608
ADJUSTING DEVICE FOR THROTTLE VALVES
Roy O. Allen, Athens, Pa., assignor to Ingersoll-Rand Company, New York, N. Y., a corporation of New Jersey
Application November 10, 1942, Serial No. 465,146
1 Claim. (Cl. 251—137)

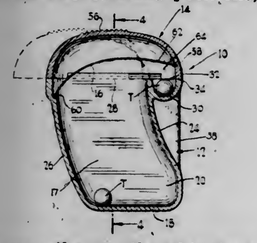


An adjusting device for a throttle valve, comprising a casing having a passage for pressure fluid, an annular beveled seating surface in the passage, a reciprocatory throttle valve having a surface corresponding with the seating surface and cooperating therewith to control the passage, there being a recess in the throttle valve opposite the last mentioned surface, manually operable means for unseating the throttle valve, a hollow plug threaded into the casing in axial alignment with the seating surface, a spring extending into the recess to resist unseating movement of the throttle valve, a seat member for the spring within the plug and slidably interlocked with the plug, a nut rotatable in the plug and threadedly connected with the seat member for effecting sliding movement of the seat member to vary the resistance of the spring, and a stem on the seat member extending through the spring into the path of the throttle valve for limiting the unseating movement of the throttle valve.

2,362,609
DISPENSING CONTAINER
Stanley Blackman, Brooklyn, N. Y.
Application August 5, 1942, Serial No. 453,637
13 Claims. (Cl. 206—42)

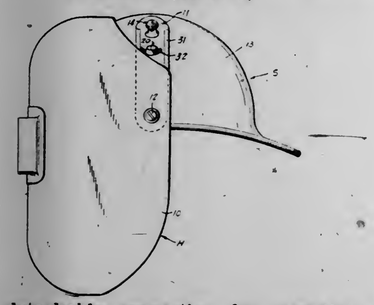
1. A dispensing container comprising a container body and a cupped cover therefor both of molded plastic material, said container body

having a large main compartment and a small dispensing compartment, the mouths of said compartments being coplanar, said cover being slidably movable over the top of said container body between two extreme positions, in one of



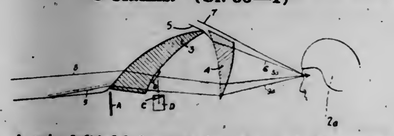
which it covers the mouths of both of said compartments and in the other of which it covers only the mouth of said main compartment and fully exposes the mouth of said dispensing compartment.

2,362,610
HELMET CONNECTION FOR SKULLGUARDS
Frederick M. Bowers, Chester, Pa.
Application August 20, 1942, Serial No. 455,454
5 Claims. (Cl. 2—8)



1. A detachable connection for mounting a welding mask on a skullguard, said connection comprising an extension on said mask and formed with a keyhole slot and an aperture in spaced relation, said skullguard including an outer shell, a headed button on said shell and adapted for cooperation with said keyhole slot, and a pilot stud carried by said shell and corresponding in size and shape to said aperture whereby it is adapted to be snugly fitted in said aperture and be completely encircled thereby to prevent any relative sliding movement between said extension and said skullguard.

2,362,611
WINDSHIELD CONSTRUCTION
Leo H. Brown, Glenville, Conn.
Application September 23, 1942, Serial No. 459,373
3 Claims. (Cl. 88—1)

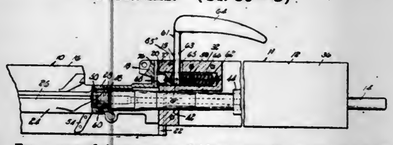


1. A windshield for use in front of the location of an observation post, said windshield comprising longitudinally spaced and longitudinally alined respective prismatic members of sufficient size to shield the head of an observer which is located at the location of said observation post, said prismatic members having their respective thin and thick ends longitudinally alined so that a light beam which is refracted through a thin end of one prismatic member is also refracted through the thick end of the other prismatic member, the top of the highest prismatic member being located at least four inches above the location of said observation post.

2,362,612
PROCESS FOR THE SULPHONATION OF TOLUENE
William B. Brown, Westmont, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York
No Drawing. Application March 6, 1942, Serial No. 433,594
6 Claims. (Cl. 260—505)

1. A process for the sulphonation of toluene to produce a product comprising chiefly p-toluene sulphonic acid which comprises refluxing a mixture of liquid toluene and concentrated sulphuric acid, the amount of toluene being in excess of that required to react with the acid, condensing the vapors evolved, separating water from the condensate, returning toluene thus recovered to the reaction mixture and refluxing the mixture until an amount of water equivalent to the amount present in the sulphuric acid plus from about 40% to about 75% of the theoretical amount of water of reaction has been removed.

2,362,613
MACHINE GUN
Val A. Browning, Ogden, Utah, assignor to J. M. & M. S. Browning Company, Ogden, Utah, a corporation of Utah
Application October 29, 1940, Serial No. 363,263
5 Claims. (Cl. 89—3)

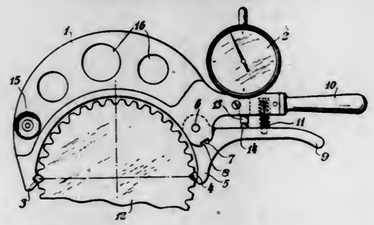


1. In a machine gun of the recoil-operated type, a breech casing, a barrel structure having a barrel support, cooperating mortices and tenons on the forward end of said casing and the rear end of said barrel support for demountably connecting the casing and barrel support, a bolt mounted in the rear end of said barrel support and having its rear end engageable with said casing when the bolt is in latching position, an operating member connected to said bolt and having a handle by means of which the demounted barrel support may be carried, and means on the barrel support engageable with said operating member for causing retraction of the bolt when the demounted barrel support is carried by the handle due to the overbalancing weight of the barrel structure forwardly of the operating member.

2,362,614
INSECTICIDES
Jose B. Calva, St. Paul, Minn.
No Drawing. Application March 11, 1940, Serial No. 323,389
4 Claims. (Cl. 167—22)

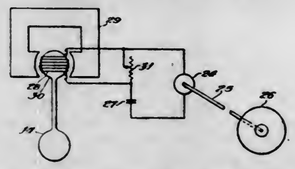
1. An insecticide containing as an essential ingredient a fluoride of the amines and polyamines of alkyls having substituent atoms in their structure in which the fluorine atom is directly linked to an amino nitrogen atom.

2,362,615
COMPARATOR
Frederick Roy Clement, Coventry, England
Application November 12, 1941, Serial No. 418,779
In Great Britain January 29, 1941
1 Claim. (Cl. 33—148)



A comparator, comprising an arcuately recessed frame, a lever pivotally mounted on said frame adjacent one end of its arcuate recess, cooperating means carried by said frame and lever for limiting the pivotal movement of the lever, a roller carried by said frame at the end of its arcuate recess opposite from the lever, a ball carried by said lever, said roller and ball projecting beyond the supporting portions of the frame and lever respectively and disposed in position to make contact with the surface of an article at the extremities of the distance thereon to be measured, a handle carried by said frame, a visual measurement indicator mounted on said frame, a trigger arm extending from said lever in parallel relation to said handle, resilient means disposed between said trigger and handle for maintaining them normally separated, and plunger mechanism disposed between said indicator and trigger for operation by movement of the trigger to actuate said indicator.

2,362,616
PENDULUM COMPENSATOR
Raymond T. Cloud, Tulsa, Okla., assignor to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware
Application October 10, 1942, Serial No. 461,625
6 Claims. (Cl. 33—220)



6. In combination, a pendulum mounted on a wheeled vehicle and adapted to rotate about an axis substantially transverse to the average direction of motion of said wheeled vehicle, an electric generator coupled to one of the wheels of said vehicle and adapted to rotate at a rate directly proportional to the rate of rotation of the wheel to which it is coupled, a torque compensator including two elements, one of which is a means for producing a relatively constant magnetic field and the other one of which is a coil, one of said two elements being attached to said vehicle and the other of said two elements being attached to and adapted to rotate with said pendulum in said magnetic field, and an electric circuit including said coil, said circuit being coupled to the output of said generator and adapted to produce a current in said coil substantially directly proportional at all times to the time derivative of the output of said generator, whereby said current in said coil reacts with said magnetic field to produce a torque on said pendulum at all times substantially completely compensating for the torque on said pendulum due to inertia forces caused by acceleration of said vehicle transverse to said axis.

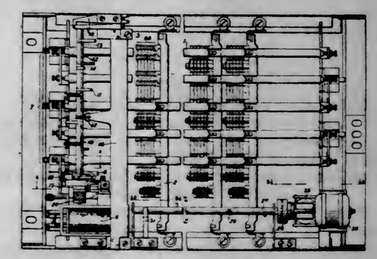
2,362,617
EXPLOSIVE COMPOSITION
Clyde Oliver Davis, Woodbury, and Hartwell Henry Fassnacht, Wenonah, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 1, 1942, Serial No. 437,228
4 Claims. (Cl. 52—13)

1. A high explosive composition comprising more than 80% of a liquid explosive nitric ester, nitrocellulose, and between 0.1% and 5.0% of an inorganic oxide in finely divided form taken from the group consisting of the oxides of manganese, copper, titanium, lead, tin, and ferric iron.

2,362,618
GELATIN DYNAMITES
Clarence Herman Winning, Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 26, 1942, Serial No. 459,841
8 Claims. (Cl. 52—7)

1. A gelatin dynamite comprising a liquid explosive nitric ester, nitrocellulose, and a compound taken from the group consisting of metallic oxides, hydroxides, normal and basic salts of elements taken from the group consisting of lead, iron, and aluminum, said compound being present in an amount between 0.05 and 5%, based on the weight of the liquid explosive nitric ester.

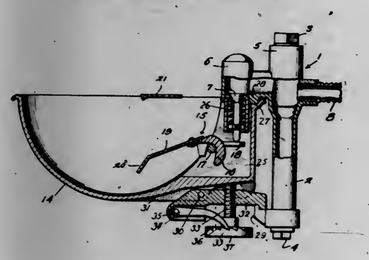
2,362,619
TELEPHONE SYSTEM
Richard C. Davis, Great Neck, N. Y., and William H. Matthies, Hackensack, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 21, 1943, Serial No. 507,062
7 Claims. (Cl. 179—22)



1. In a telephone system, a cross bar switch having horizontal and vertical bars, a stepping mechanism for selecting and actuating any horizontal bar, a common mechanism for actuating the vertical bars in succession, contacts at each cross-point of said coordinate bars, each set actuated on the operation of the associated horizontal and vertical bars, an incoming line connected to

contacts at each cross-point of said bars, outgoing lines each connected at a separate cross-point to contacts thereat, circuit means responsive to impulses received over the incoming line for actuating the stepping mechanism to select and actuate a corresponding horizontal bar, and means thereafter operative for actuating the common mechanism to operate the vertical bars in succession to connect the incoming line with succeeding outgoing lines until an idle outgoing line is found.

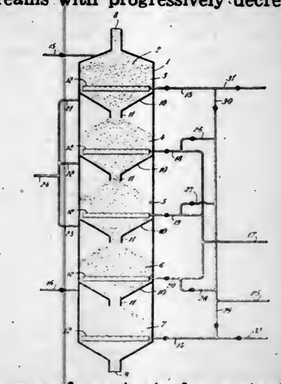
2,362,620
HOG WATERER
John P. Eischens, Olivia, Minn.
Application August 20, 1943, Serial No. 499,411
4 Claims. (Cl. 119—75)



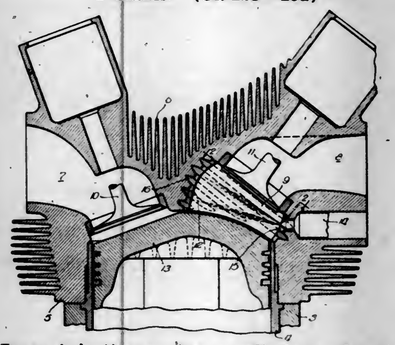
1. A hog waterer comprising a bowl having a narrow rear portion, a fixture including a vertical tube having a water inlet and provided with a forwardly extending discharge spout, said spout having an outlet nozzle depending within the narrow rear portion of the bowl and having a downwardly seating spring-seated cut-off valve provided with a downwardly projecting stem, means to rigidly secure said fixture to a support, means rigidly mounting the bowl on the fixture, a horizontal pivot pin supported by the side walls of said narrow rear bowl portion below and forwardly of said spout, a forwardly inclined plate pivoted at its rear edge on said pivot pin and having a rigid rearwardly projecting lever engaged with the lower end of the valve stem, said plate being elongated transversely of the bowl and having a straight downturned forward edge portion, and a straight bar fixed on the top of the bowl and extending transversely of the latter with its forward edge disposed parallel with and slightly rearwardly of the downturned forward edge portion of said plate.

2,362,621
CONVERSION OF HYDROCARBONS
Frank C. Fahnestock, Wenonah, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application September 2, 1942, Serial No. 457,014
4 Claims. (Cl. 196—52)

1. That method for the conversion of hydrocarbons and the like in the presence of a contact mass which comprises the steps of cyclically moving a flowing stream of particle form contact mass serially through a plurality of reaction stages without intervening regeneration, then through a regeneration operation and returning it to the reaction, the conversion activity of the contact mass decreasing in successive reaction stages, passing a stream of reactants at conversion temperature through each stage, introducing inert gasiform material to the reactants entering certain of the stages, and proportioning the reactants and inert material to provide separate feed streams with progressively decreasing partial pressure of reactants for contact with the several stages of contact mass of progressively increasing activity.



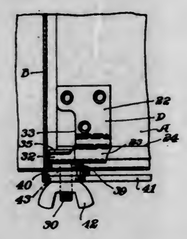
2,362,622
INJECTION ENGINE
Hans Fischer, Yonkers, N. Y., assignor to Lanova Corporation, Long Island City, N. Y., a corporation of Delaware
Application November 10, 1941, Serial No. 418,453
1 Claim. (Cl. 123—191)



In an injection engine, a cylinder and a piston operating therein, a cylinder head of aluminum metal overlying said cylinder having a combustion chamber opening freely thereinto, an austenitic iron alloy liner for said chamber fitting tightly in said head in intimate heat conducting contact therewith with the metal of said head cast about said liner, the metal of said liner being of lower heat conductivity than that of said head and the coefficient of expansion of said liner and said head being so related as to maintain said intimate heat conducting contact when the liner is heated in the operation of the engine while avoiding subjecting said head to stresses in excess of the elastic limit of the metal thereof, and an injection nozzle for injecting fuel into said combustion chamber.

2,362,623
DAMPER REGULATOR SET
Maurice H. Fossum, St. Paul, Minn.
Application March 5, 1941, Serial No. 381,783
8 Claims. (Cl. 126—292)

1. A damper support comprising a pair of opposed clamping plates connected together by an enlarged tubular fold along one edge thereof, said enlarged fold being positioned entirely on one side of one of said clamping plates, said enlarged fold having an aperture therethrough, a pivot bolt having shank designed to extend through

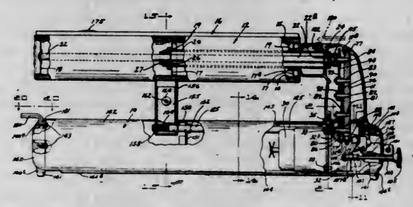


said aperture, a head on said pivot bolt, the other of said clamping plates having a notch therein positioned substantially in registry with said aperture and through which the head of said pivot bolt may extend in inserting and removing the same.

2,362,624
LUBRICANT
James W. Gaynor, Chicago, Ill., and Clarence M. Loane, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application January 21, 1943, Serial No. 473,120
17 Claims. (Cl. 252—48)

1. A composition comprising an oil and from about 0.001% to about 10% of the product obtained by reacting an alkylated hydroxyaromatic compound with a phosphorus sulfide and reacting the resultant reaction product with a sulfur chloride.

2,362,625
IRONING MACHINE
Andrew H. Gerhardt, Niles Center, Ill., assignor to Electric Household Utilities Corporation, Chicago, Ill., a corporation of Illinois
Application December 6, 1940, Serial No. 368,821
13 Claims. (Cl. 38—60)



1. In a unitary portable ironing machine adapted to be mounted upon a table or stand, the combination of a hollow supporting base, a tubular standard mounted on said base, adjacent one end, a rotatable padded roll supported solely at one end on said standard, a shoe supported by the base and mounted for movement into and out of cooperating engagement with said roll, power mechanism including a motor and speed reducing driving mechanism mounted within said base, transmission mechanism extending up into said standard and serving to operably connect the driving mechanism to the roll, clutch means interposed in the driving mechanism, and dual control means for said clutch, including a manually operable member extending through the base and serving to control the drive to the roll, and a separate manually operable member extending through said base and serving to move the shoe into and out of engagement with the roll, and adapted for controlling the clutch when said first mentioned member is in one position of adjustment.

2,362,626
TENSIOMETER
Harvey D. Giffen, Pico, Calif., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif., a corporation of Delaware
Application April 8, 1943, Serial No. 482,259
13 Claims. (Cl. 73—144)



13. A cable tensiometer which includes a curved member, means securing its end portions to spaced parts of a cable under tension with its intermediate portion bowed away from the line of tension between said parts and with the intermediate portion of the cable slack, and means extending longitudinally of said member and applied intimately thereto to partake of the change of curvature thereof under varying load for indicating movements of said intermediate portion of the member toward and from the line of tension as the load on the cable varies.

2,362,627
MOLDING POWDERS
Eustace Glycofrides, Toledo, Ohio, assignor to Owens-Illinois Glass Company, a corporation of Ohio
No Drawing. Application May 15, 1940, Serial No. 335,319
1 Claim. (Cl. 106—218)

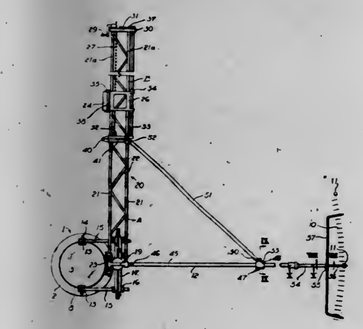
The method of producing molded articles which comprises compounding a mixture consisting of extracted pine wood pitch, lime and a filling material, said pitch being characterized by substantial insolubility in petroleum hydrocarbons and comprising a residue low in abietic acid remaining after the separation of refined rosin high in abietic acid from the resinous material obtained by extraction of pine wood with a solvent, milling said mixture and causing the lime to polymerize the pitch to a predetermined intermediate stage, and thereafter molding the compound under heat and pressure and thereby causing the lime to effect further polymerization and hardening of the molded material.

2,362,628
METHODS OF PRODUCING MOLDING POWDERS
Eustace Glycofrides, Toledo, Ohio, assignor to Owens-Illinois Glass Company, a corporation of Ohio
No Drawing. Application December 12, 1940, Serial No. 369,864
9 Claims. (Cl. 106—218)

1. The method of producing a thermosetting material consisting mainly of an extracted pine-

wood pitch characterized by being substantially insoluble in petroleum hydrocarbons and comprising a residue low in abietic acid remaining after the separation of refined resin high in abietic acid from the resinous material obtained by extraction of pinewood with a solvent, which method comprises heat treating the said pitch at a temperature of about 430° F. for a period of about five hours and thereby causing polymerization and producing said thermosetting material.

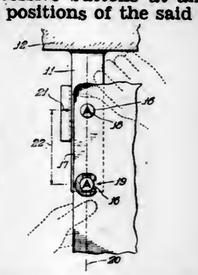
2,362,629
AIRCRAFT COMPASS-CORRECTING APPARATUS
William H. Griffith, Columbus, Ohio, and Colburn J. Colby, Corpus Christi, Tex., assignors to International-Stacey Corporation, Columbus, Ohio, a corporation of Ohio
Application June 7, 1943, Serial No. 489,962
6 Claims. (Cl. 73—1)



1. Apparatus for correcting the readings of the magnetic compasses of aircraft comprising a turntable adapted for engagement with one of the main landing wheels of an airplane, a horizontally extending frame movable with said turntable, said frame having its longitudinal axis disposed substantially at right angles to that of an airplane engaged with said turntable, a wheel chock supported for longitudinal adjustment on said frame, said chock being adapted to be engaged by the second landing wheel of an airplane positioned on said turntable, and a pointer projecting from said frame and having its longitudinal axis arranged at right angles to the corresponding axis of said frame.

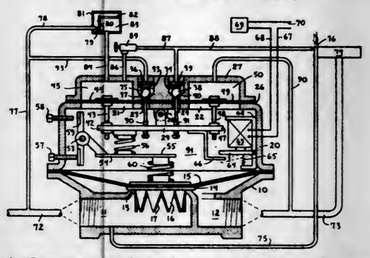
2,362,630
ATTACHMENT OF BUTTONS AND THE LIKE
William O. Hansen and Merlin L. Bowen, Detroit, Mich., assignors to Universal Button Fastening & Button Company, Detroit, Mich., a corporation of Michigan
Original application October 16, 1939, Serial No. 299,586. Divided and this application April 11, 1942, Serial No. 438,600
2 Claims. (Cl. 218—29)

1. The method of attaching registered buttons to a garment which comprises presenting in an attaching position successive buttons with the insignia thereon oriented to a predetermined position for attachment to the garment, presenting the garment to attaching position to receive a plurality of buttons parallel to and a plurality of buttons at right angles to the vertical axis of the garment and adjacent the edges thereof and from start to finish of the attaching operations maintaining a fixed direction to the vertical axis of the garment so that during the attachment of successive buttons at all points on the garment the positions of the said axis of the



garment are parallel to each other, whereby the insignia on the buttons when attached adjacent the edges of the garment all have the same orientation on the garment whether the said edges of the garment are parallel to or at right angles to said axis.

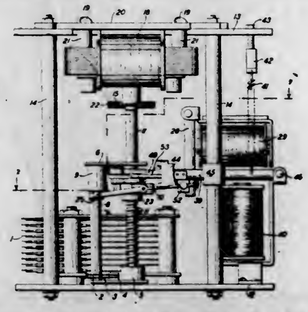
2,362,631
FLOW CONTROL VALVE
John L. Harris, Milwaukee, Wis., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application March 28, 1941, Serial No. 385,647
2 Claims. (Cl. 137—139)



1. A flow control system comprising in combination, a main valve for controlling flow, a pressure responsive device positioning said valve, pilot valve means controlling the pressure in said pressure responsive device and hence the position of said main valve, a movable member for actuating said pilot valve means, a first actuating means for said movable member comprising a condition responsive device for moving said member to vary the position of said main valve, a second actuating means for said movable member actuated by said main valve, an adjustable stop for limiting the effect of one of said actuating means, and electromagnetic means effective upon deenergization thereof to cause said pressure responsive device to effect closure of said main valve independently of said condition responsive device.

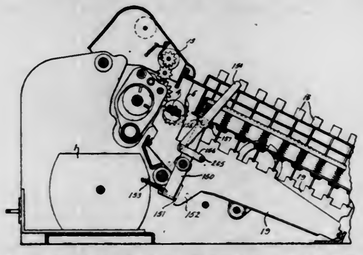
2,362,632
SELECTOR SWITCH
Clarence N. Hickman, Jackson Heights, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 10, 1943, Serial No. 475,380
6 Claims. (Cl. 179—27.52)

1. A selector switch comprising a threaded shaft, a brush carriage mounted upon said shaft, means for imparting rotary motion to said shaft whereby said brush carriage is moved along the



shaft, and means for locking said carriage to said shaft whereby said carriage moves rotatively with said shaft.

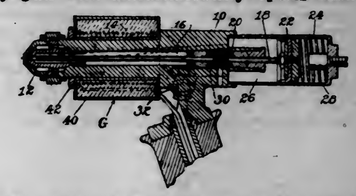
2,362,633
REGISTER
Stuart Hilder, Arlington, Va., assignor to Monroe Calculating Machine Company, Orange, N. J., a corporation of Delaware
Application November 17, 1943, Serial No. 510,617
3 Claims. (Cl. 235—79)



1. In a register having a series of differentially settable value representing devices and an operating lever; a universal member movable toward said value representing devices and designed to contact with any one of them standing in set position representing a value other than zero, and a control lever having operating connection with the operating lever and with the universal member, designed for idle movement by displacement of the universal member when the value representing devices all stand at zero and to fulcrum upon the universal member and displace the operating lever when said universal member contacts a set value representing device.

2,362,634
SPRAYING APPARATUS
William M. Houghton, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application August 20, 1942, Serial No. 455,435
4 Claims. (Cl. 299—140)

1. Apparatus for applying a spray coating to an object, said apparatus being used in connection with a source of fluid pressure and a source of electric power, said apparatus comprising a spray gun, a source of coating material, means for normally closing the nozzle of the spray gun, electrical means for heating the spray gun, said electrical heating means including a resistance and a switch operable to short circuit a part of the resistance when the nozzle is open, means whereby said fluid under pressure effects delivery of the coating material from said source to said spray gun and simultaneously opens said first-



named means and operates said switch, and means for cutting off the flow of fluid under pressure to said first-named means and switch without affecting delivery of the coating material to the spray gun.

2,362,635
EMULSION PAINT AND METHOD OF PRODUCING THE SAME
Leslie James Howlett, Lindfield, New South Wales, Australia
No Drawing. Application July 15, 1940, Serial No. 345,600½. In Australia August 24, 1939
2 Claims. (Cl. 106—266)

2. A paint composition which comprises an emulsion of a vegetable oil and water and containing magnesium carbonate dissolved therein in the ratio of about one part magnesium carbonate to 35 parts water and a pigment, the amount of water in the emulsion not exceeding the volumetric amount of oil and in which the magnesium carbonate acts as an emulsifying medium.

2,362,636
MATERIAL TRANSPORT TRUCK
Joseph F. Joy, Washington, D. C., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Original application December 21, 1938, Serial No. 246,961. Divided and this application June 7, 1941, Serial No. 397,050
16 Claims. (Cl. 180—50)



1. A material transport truck comprising, in combination, a truck body, pairs of front and rear traction wheels for supporting said truck body, axle housings swivelled to swing independently relative to said truck body about upright axes, frictional brake means for independently yieldingly frictionally locking said axle housings against swinging movement about their pivotal axes and releasable to permit free swinging of said axle housings, and control means operable at will during travel of the truck for controlling said brake means, thereby to control swivelling of said axle housings and steering of the truck.

2,362,637
WELDER'S HELMET
Warner L. Keehn, Spokane, Wash.
Application November 19, 1942, Serial No. 466,173
5 Claims. (Cl. 2—8)

1. In a welder's helmet, a window projecting forwardly at the front thereof, an inwardly pro-

jecting flange about the front of said window having a lip projecting rearwardly into the window, a lens in said window consisting of an upper black glass and a lower transparent glass having its upper edge in face to face engagement with the lower edge of the upper glass, a transparent sheet in said window covering and protecting the outer surface of said lens, a retainer frame in said window engaging marginal portions of said upper and lower glasses and holding the glasses and the protecting sheet firmly against the lip of



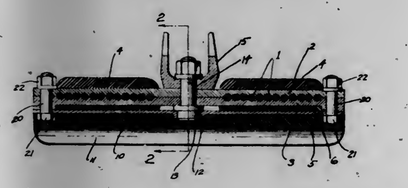
said flange, an open frame of resilient material fitted into said window against the outer surface of the upper glass with its end portions and its upper portion fitting back of and engaged by the flange and its lip to hold the frame in place, and a visor formed integral with said frame and projecting forwardly from the lower edge thereof at a downward incline, said visor having its end portions free from the frame and bent downwardly with their rear edges bearing against end portions of said flange.

2,362,638

REMOVABLE TREAD BLOCK

Karl B. Kilborn, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware

Application October 4, 1941, Serial No. 413,629
5 Claims. (Cl. 305—10)



1. In combination with a continuous track for a track laying vehicle made of a helically wound cable the turns of which are held in spaced relation by clamping plates to which sprocket guides are bolted by means of a bolt with a head which protrudes beyond the clamping plates, a shoe with a tread vulcanized to one side thereof, means at each end of the shoe adapted to secure the shoe to the clamping plates and to fasten the clamping plates together, and in the center of the shoe a recess for receiving said bolt head in driving relation therewith.

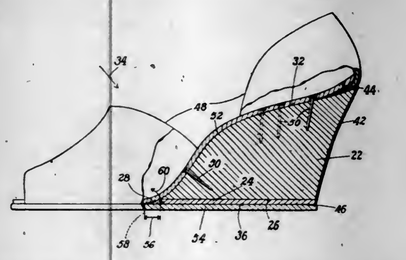
2,362,639

SHOE

Ralph F. Knight, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Application December 12, 1942, Serial No. 468,766
8 Claims. (Cl. 36—19.5)

1. A wedge heel comprising a rigid wedge block and a thick layer of flexible material resistant to abrupt bending secured to the tread face of the block and having a forwardly beveled portion



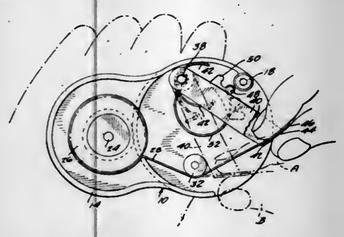
which extends a substantial distance beyond the forward edge of said block.

2,362,640

STRIP SERVING MACHINE

Theodore H. Krueger, Stratford, Conn., assignor to Better Packages Incorporated, a corporation of New York

Application August 8, 1942, Serial No. 454,153
17 Claims. (Cl. 164—84.5)



1. An apparatus for dispensing measured strips of tape having a support for a supply of the tape, a pivotally mounted measuring element, a back stop and means to urge said element normally against said back stop, said element being mounted to be grasped simultaneously with the leading end of the tape whereby tape may be drawn from the roll while advancing said element about its pivotal mounting, a stop limiting the forward movement of said element about its pivot, and means on said element to sever the thus delivered strip after said element has returned to its normal position against the back stop.

2,362,641

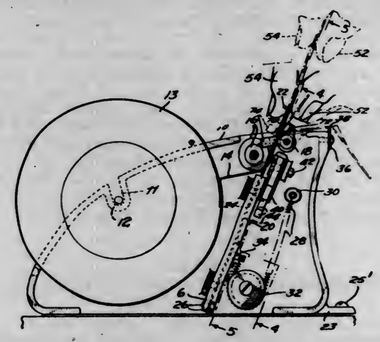
STRIP SERVING MACHINE

Theodore H. Krueger, Stratford, Conn., assignor to Better Packages Incorporated, a corporation of New York

Application August 19, 1942, Serial No. 455,311
11 Claims. (Cl. 164—84.5)

1. A device for delivering strips of tacky material including a support for a supply of the material, a chute containing a slidable delivery element mounted to be partially withdrawn from said chute, said element having an aperture therein, guide means for guiding the leading end of the tape through the aperture and then directing it into the plane of movement of the delivery element, means permitting grasping of the delivery element and the leading end of the tape simultaneously to draw said element from the chute

and simultaneously draw tape from the roll, stop means to limit the sliding movement of the delivery element and means to return said element to its original position without releasing the withdrawn strip of tape.



2,362,642

ARMREST FOR CRUTCHES

Thomas Lamb, New York, N. Y.

Application July 10, 1943, Serial No. 494,139
3 Claims. (Cl. 135—52)



1. An arm rest for a crutch comprising an elongated member having an upper ridge of flattened S-shaped contour longitudinally with a concave portion at the front end curving toward the arm and away from the body of the user and a concave portion at the rear end curving toward the body and away from the arm of the user, said member having substantially U-shaped contours in cross section throughout the major portion of its length.

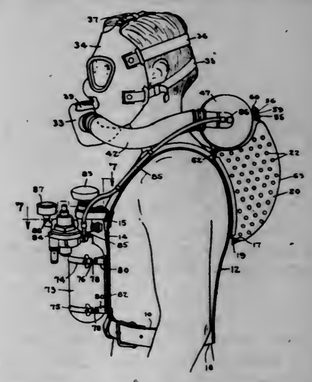
2,362,643

BREATHING APPARATUS FOR USE UNDER WATER

Christian J. Lambertsen, Philadelphia, Pa.

Application January 21, 1942, Serial No. 427,604
2 Claims. (Cl. 128—142)

1. Breathing apparatus for use under water, comprising a mask adapted to be supported on the face of the wearer and form a breathing chamber at the front of the face and to seal the same against inlet of water when a swimmer wearing the apparatus is subject to water pressures up to pressures at very considerable depths, separate and distinct inhaling and exhaling tubes extending directly from the lower part of the chamber, a rigid perforated casing, a flexible rebreathing bag held therein and connected with the exhaling and inhaling passages, means supporting the casing upon the back of the wearer as the apparatus is worn so that the rebreathing bag and the container will be held when the wearer is in an erect position within limits defined by horizontal planes passing through the upper and lower parts of the lungs, a soda lime container supported by the casing and connected directly in the inhaling passage, means for causing the gases of the rebreathing bag upon inhalation to go through the soda lime container and upon exhalation to go to the rebreathing



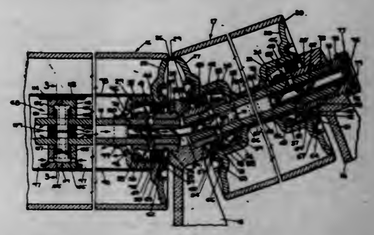
bag, a tank of oxygen supported in front and toward the waistline as the apparatus is worn, and means for delivering oxygen therefrom into the inhalation passageways beyond the soda lime container.

2,362,644

SELF-LUBRICATING BELT IDLER

Alexis W. Lemmon, Columbus, Ohio, and Eugene E. Landahl, Detroit, Mich., assignors to The Jeffrey Manufacturing Company, a corporation of Ohio

Application March 15, 1941, Serial No. 383,574
12 Claims. (Cl. 184—6)



1. In a belt conveyor idler, the combination with supporting mechanism, of a series of shafts carried by said supporting mechanism in end to end relation, a plurality of pulleys one on each of said shafts, bearings interposed between each pulley and its respective shaft, a plurality of housings one encircling each shaft, means comprising a pump associated with one of said pulleys to force lubricant to all of said bearings, and conduit means including said housings to return the lubricant from all of said bearings to said pump.

2,362,645

MACHINE FOR SEWING SHOES

Bernard T. Leveque, Wenham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Application December 23, 1940, Serial No. 371,263
15 Claims. (Cl. 112—34)

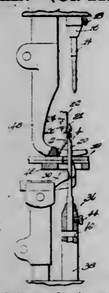
2. A sewing machine for operating upon sole leather or similar compressible material having, in combination, stitch forming devices including

a looper and a needle having a shank provided with a plurality of thread receiving hooks, the



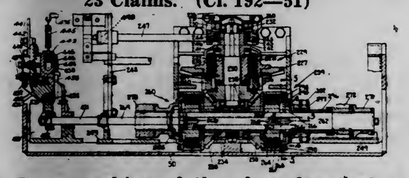
barbs of which are located one above the other at the same side of the shank of the needle.

2,362,646
SEWING MACHINE
Bernard T. Leveque, Wenham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application February 27, 1942, Serial No. 432,637
13 Claims. (Cl. 112—34)



1. A sewing machine for operating upon sole leather or similar material having, in combination, stitch forming devices including a needle constructed and arranged to carry a plurality of loops of thread through the work in the same relation to each other during successive sewing cycles, and an awl sharpened to cut a needle receiving incision in the work with the cut directed to cause the threads when tensioned to be drawn into the same respective portions of the incision with uniformity throughout a seam.

2,362,647
CLUTCH DEVICE
Nils D. Levin, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio
Original application October 22, 1937, Serial No. 170,426. Divided and this application February 4, 1941, Serial No. 377,349
23 Claims. (Cl. 192—51)

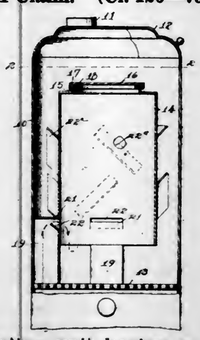


1. In a machine of the class described, the combination with a pivoted lever, of mechanism for rocking the same on its pivot, a second pivoted lever, adjustable abutment screws one on each of said levers and each adapted to be engaged by one of said levers, a driven shaft, mechanism comprising two friction clutches for driving said shaft in reverse directions, and mechanism connected between said second lever and said clutches to apply the same to effect such driving of said shaft in reverse directions, the application of one clutch effecting driving of said shaft in one direction and the application of the other clutch effecting driving of said shaft in the opposite direction, the construction and arrangement being such that the adjustment of said abutment screws predetermines the extent of application of said clutches.

2,362,648
METHOD OF PREPARING CHEMICAL COMPOUNDS
Joy G. Lichty, Stow, and Nelson V. Seeger, Cuyahoga Falls, Ohio, assignors to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
No Drawing. Application October 29, 1942, Serial No. 463,782
5 Claims. (Cl. 260—453)

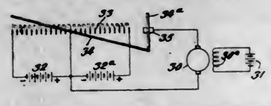
1. In a process for preparing an organic isocyanate by reacting the amine corresponding thereto with phosgene, the improvement which comprises carrying out the reaction in the presence of a tertiary amine as a catalyst.

2,362,649
FURNACE
Lee Lockwood, Des Moines, Iowa
Application June 23, 1941, Serial No. 399,289
1 Claim. (Cl. 126—73)



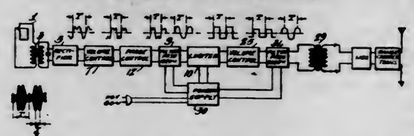
A coal heating unit having a casing with a grate extended across said casing, adjacent the lower end thereof, a flue adjacent the upper end of said casing, an air chamber below said grate, a coal magazine supported in a spaced relation within said casing, with the upper end of said magazine being closed and the lower end thereof open and spaced upwardly from said grate, and the portion of said casing between said grate and the lower end of said magazine defining the periphery of a fire box, air conduits extended upwardly from said air chamber between said magazine and said casing, with said magazine having openings therein corresponding to said conduits and said conduits terminating at said openings, and a portion at the bottom of each of said openings extended upwardly and outwardly from said magazine and into a corresponding air conduit to keep the coal in said magazine from dropping into said conduit.

2,362,650
GUN CONTROLLING APPARATUS AND THE LIKE
Frank G. Logan, Mount Vernon, N. Y., assignor to Ward Leonard Electric Company, a corporation of New York
Application February 7, 1942, Serial No. 429,905
8 Claims. (Cl. 172—239)



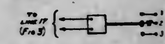
1. The combination of a controlling element movable to different positions, a movable object normally having a position corresponding to the position of said element, a reversible motor for moving said object to different positions, controlling means for varying the speed of the motor and reversing the direction of rotation of the motor having a contact bar engaging a series of contacts of a variable voltage device, said contacts being aligned in a straight row, said contact bar being inclined to said row of contacts with the same angle of inclination in the different adjustable positions of said contact bar with reference to said row of contacts, said contact bar being adjustable over said contacts in a direction at right-angles to said row of contacts, a source for supplying energy to said motor, said controlling means comprising connections between said source, motor, contact bar and variable voltage device for operating the motor in one direction when the contact bar is moved from its normal mid-position in one direction therefrom and at variable speeds dependent upon the extent of movement of said contact bar and for operating the motor in the reverse direction when the contact bar is moved in the opposite direction from its mid-position and at variable speeds depending upon the extent of movement of said contact bar in said opposite direction, mechanical means for connecting said controlling element with said contact bar for actuating said contact bar from its mid-position in one direction or the other and to an extent depending upon the direction and extent of movement of said controlling element from its mid-position, and means for relating said variable voltage device to said movable object to move in correspondence thereto for decreasing the speed of the motor and for stopping the motor when said object has attained a position corresponding with that to which said element has been moved.

2,362,651
RADIO RANGE
David G. C. Luck, Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application March 27, 1942, Serial No. 436,430
7 Claims. (Cl. 250—11)



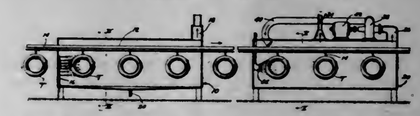
1. A device for producing, from a radiation field with complex modulation, a low frequency voltage harmonically related to one modulation component of said field, including means for deriving a radio frequency voltage from said field, means for deriving a sinusoidal voltage corresponding to one of the modulation components of said radio frequency voltage, means for deriving from said sinusoidal voltage a square wave having a frequency related to the frequency of said sinusoidal wave by an integral number, and means for deriving from said square wave a second sinusoidal wave.

2,362,652
ELECTRIC CONTROL
Carl J. Lundborg, Great Falls, Mont.
Application January 21, 1942, Serial No. 427,567
4 Claims. (Cl. 171—123)



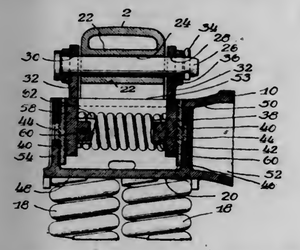
1. A plant adapted to consume electric power at a substantially constant rate comprising a plurality of independent variable loads connected to a source of electric power, a plurality of electrolytic cells, a motor-generator set having the motor connected to said power source and the generator connected to the electrolytic cells, a motor-generator exciter having the motor connected to said power source and the generator connected to the motor-generator set in such manner as to influence the output of the motor-generator set to the electrolytic cells, a control element adapted to respond to a variation in the total power absorbed by said independent loads, the motor-generator set and the motor-generator exciter, and a control circuit comprising a plurality of gas-filled grid control rectifiers interconnected to combine the outputs of the individual rectifiers, the combined output of said rectifiers being connected to the motor-generator exciter in such manner as to influence the output of the exciter, means for providing the grids of the rectifiers with a potential having a predetermined phase relationship with the potential of the plates of the rectifiers, and means responsive to said control element for controlling the phase relationship between the grid and plate potentials of at least one of the rectifiers in such manner as to control the combined output of the interconnected rectifiers and hence the output of the motor-generator set to the electrolytic cells so as to maintain the power absorbed by all of the loads at a substantially constant value.

2,362,653
METHOD AND APPARATUS FOR TREATING RUBBER ARTICLES PRIOR TO VULCANIZATION
Bernard F. McGovern, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
Application October 29, 1942, Serial No. 463,748
7 Claims. (Cl. 18—2)



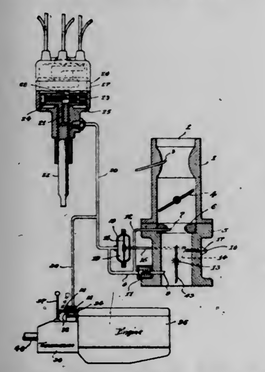
1. That method of treating an unvulcanized rubber pneumatic tire to facilitate airbag insertion and removal and to facilitate removal of the tire from the vulcanizing mold which includes the steps of treating the surface of the unvulcanized tire directly with steam to bloom the surface of the tire and to deposit thereon a thin uniform coating of moisture, and dusting a uniform coating of dry lubricating material over the entire surface of the tire.

2,362,654
CAR TRUCK
Egbert J. Maatman and Claus J. Werner Clasen, Chicago, Ill., assignors to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application May 15, 1943, Serial No. 487,094
11 Claims. (Cl. 105—193)



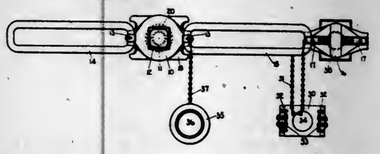
7. In a railway car truck, a truss side frame having a compression member and spaced columns defining in part a central bolster opening, a bolster having an end projecting into said opening in cooperative engagement with said columns, spaced friction walls in said bolster, a retaining pin supported from said compression member, friction panels slidably mounted on said pin in cooperative engagement with said friction walls respectively, a coil spring compressed between said panels, and positioning means on each panel for said spring.

2,362,655
GOVERNOR SYSTEM FOR AUTOMOTIVE VEHICLES
Marion Mallory, Detroit, Mich.
Application June 12, 1943, Serial No. 490,616
12 Claims. (Cl. 74—472)



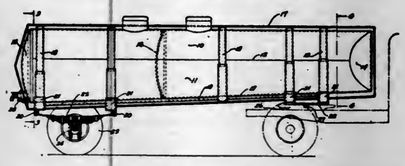
1. In combination with an internal combustion engine having an intake passageway, a governor for controlling the speed of said engine including a throttle valve in said passageway, a suction device actuated through changes of pressure obtaining in said intake passageway for imparting movement to said throttle valve, a variable speed transmission for said engine, and means for subjecting said suction device to atmospheric pressure when the transmission is operating in low speed whereby said engine can run at a higher speed when the transmission is operating in low speed than when the transmission is operating in high speed.

2,362,656
CHAIN PIN INJECTOR AND EJECTOR TOOL
Harold C. Medley, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio
Application October 15, 1943, Serial No. 506,458
10 Claims. (Cl. 59—7)



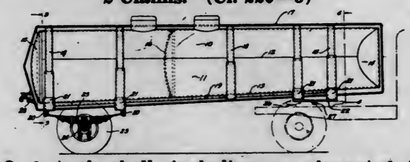
6. A chain tool including a block and a spaced cross-head, spaced tension means attached at opposite ends to said block and cross-head providing space for a chain to extend between them, a shaft threaded through said block, a thrust block positioned between said tension means and adapted to receive the thrust of said threaded shaft and transmit it selectively to a chain pin or a chain side bar, a ring adapted to be inserted between said thrust block and a side bar and to transmit force between them when a chain pin is being removed, and a second ring adapted to be inserted between another side bar of said pin and said cross-head when a chain pin is being inserted.

2,362,657
ART OF CURVED AND TAPERED TANK MANUFACTURE
Arnold F. Meyer, Pewaukee, Wis., assignor to The Heil Co., Milwaukee, Wis., a corporation of Wisconsin
Application June 26, 1942, Serial No. 448,657
2 Claims. (Cl. 113—120)



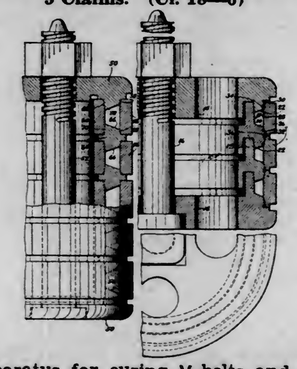
1. The method of forming a transportation tank shell having an interior chamber which is curved in cross section and which is of substantially the same horizontal width throughout its length and of progressively less depth from one end to the other comprising providing a flat, rectangular first plate, rolling said plate throughout its length in a transverse arc so that said plate when bent has substantially the same cross section throughout the major portion of its length, providing a flat quadrilateral plate of gradually increasing breadth from one end to the other, rolling the latter plate throughout its length in a transverse arc which is substantially as long as and has substantially the same radius as the arc of rolling of said first plate, the axis of curvature of said arc of the second plate being parallel to the longitudinal median of said second plate, terminating the latter rolling operations in straight lines parallel to said median and removed from both side edges of the plate to leave narrow tapered outer edge areas which are flat, projecting said areas substantially perpendicularly toward the concavity while maintaining said areas in substantially flat condition, and assembling both plates in enclosure forming relationship by joining both side edges of the first plate with the respective side edges of the flat tapered areas of the second plate to provide a shell having a progressively decreasing depth caused by said flat tapered areas.

2,362,658
TAPERED TANK CONSTRUCTION
Arnold F. Meyer, Pewaukee, Wis., assignor to The Heil Co., Milwaukee, Wis., a corporation of Wisconsin
Original application June 26, 1942, Serial No. 448,657. Divided and this application April 14, 1943, Serial No. 483,036
2 Claims. (Cl. 220—5)



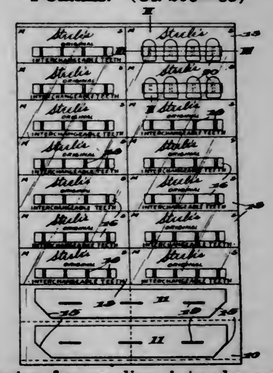
2. A tank shell, including an elongated top sheet of uniform breadth and having its major portion uniformly curved, and an elongated bottom sheet of gradually increasing breadth from one end portion to the other and having a major rectangular area thereof curved in a uniform arc throughout its length, said bottom sheet having its side portions of triangular formation and plane and secured to adjacent side edge portions of the top sheet along both sides of the tank, the side edges of the bottom sheet being parallel to the longitudinal median of the top of the shell and at an acute angle to the longitudinal median of the bottom of the shell, said shell being of gradually increasing cross-sectional area from one end to the other and of substantially ovate form in cross-section with its major cross-sectional dimension extending across the width of the tank.

2,362,659
METHOD AND APPARATUS FOR CURING V-BELTS AND THE LIKE
Norton W. Miller, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
Application September 11, 1942, Serial No. 457,959
5 Claims. (Cl. 18—6)



5. Apparatus for curing V-belts and the like comprising a plurality of mold rings, interfitting means on the rings to facilitate stacking them in coaxial relation, a plurality of separate spanner rings each positioned between a pair of said mold rings at the outer peripheries thereof, the adjacent mold rings and spanner rings defining between them molding cavities for confining V-belts during cure, the spanner rings substantially abutting each other end to end and having cylindrical inner surface portions to contact the outer surfaces of the belts in said cavities and said spanner rings being also characterized by tapered surface portions cooperating with complementary surfaces on the adjacent mold rings in providing clearance spaces for outward flow of excess rubber at both of the outer corners of each belt, and means for clamping all of the rings together.

2,362,660
APPARATUS FOR CARDING ARTIFICIAL TEETH
James H. Moyer and David E. Evans, Columbus, Ohio, assignors to The Columbus Dental Manufacturing Co., Columbus, Ohio, a corporation of Ohio
Application June 1, 1942, Serial No. 445,356
4 Claims. (Cl. 206—83)

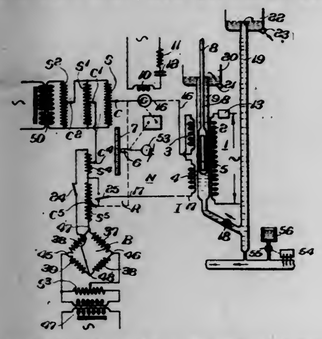


1. A device for carding interchangeable artificial teeth comprising a backing member, guide strips positioned in spaced parallel order on the front surface of said backing member, said strips having longitudinal edges adapted to be spaced from the front surface of said backing member, a plurality of substantially rectangular mounting panels formed from a substantially transparent material, each of said panels having its longitudinal edges formed with rearwardly and inwardly directed flanges forming channels which are slidably receivable on the longitudinal edges of the guide strips, a ribbon of a soft yieldable material extending longitudinally of each of said panels in engagement with the under surface thereof, said ribbon having a plurality of lugs integrally formed therewith, said lugs projecting through and beyond vertical slots formed in each of said panels to provide supports for the removable reception of artificial teeth, and a colored indicia-bearing card having its edges slidably and removably positioned in the channels of each of said panels, said card being disposed in front of said guide strips and to the rear of said ribbon.

2,362,661
TELEMETRIC SYSTEM
Jacob Clarence Peters, Jenkintown, and Irving M. Stein, Philadelphia, Pa., assignors to Leeds and Northrup Company, Philadelphia, Pa., a corporation of Pennsylvania
Application February 19, 1942, Serial No. 431,502
5 Claims. (Cl. 73—33)

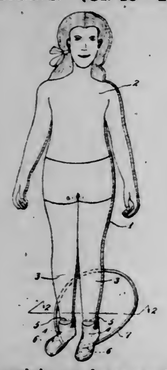
4. In a system for determining the specific gravity of a liquid, a source of alternating current,

a transformer having a primary winding, connected to said source, and secondary windings in series opposition and a core movable with respect thereto in response to changes in the specific gravity of the liquid to determine the magnitudes of the electro-motive-forces induced in said windings, means including a source of voltage for producing an alternating electro-motive-force of magnitude representing the temperature of said liquid, a balanceable network including, all in series with each other, said last-named source of



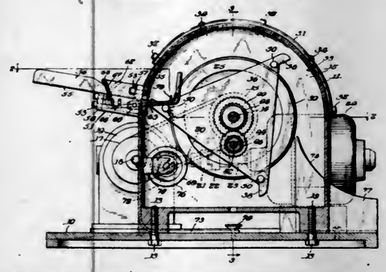
voltage and said secondary windings, a source of alternating voltage in said network in series with aforesaid windings and source of voltage, means adjustable to vary said last-named voltage to balance the resultant of all aforesaid electro-motive-forces and to reduce flow of current through said secondary windings to null or negligible magnitude in avoidance of magnetic fields affecting the position of said core, and means for indicating balance of said network, the position of said adjustable means indicating the specifice gravity of said liquid.

2,362,662
DOLL
Angela M. Peterson, Parkersburg, W. Va., and Joseph Schaeffers, Lakewood, Ohio
Application March 19, 1943, Serial No. 479,706
2 Claims. (Cl. 46—157)



1. A doll comprising a base or foundation having the outlines of a human figure, including legs, and rigid feet having slots extending downwardly thereinto from the upper ends thereof into which the lower ends of the said legs are insertible, and a resilient loop member having its ends connected to the said feet and adapted to engage a base upon which the feet may rest, thereby to impart stability to the said doll.

2,362,663
MARKER FOR CYLINDRICAL OBJECTS
Roy W. Redin and Samuel M. Behar, Chicago, Ill., assignors to The Superior Type Company, Chicago, Ill., a corporation of Illinois
Application May 17, 1943, Serial No. 487,232
16 Claims. (Cl. 101—40)



1. Marking apparatus comprising in combination a frame, a rotatably mounted marking cylinder, an arcuate printing bed in spaced relation with the marking cylinder, the space between the said bed and the cylinder providing a channel for a rotatable article, tracks on the said cylinder extending circumferentially thereof, resilient tracks on the printing bed, a feeding tray extending radially from the printing cylinder and terminating adjacent thereto, and pick-up means adapted to transfer articles to be marked from the feeding tray into engagement with the tracks on the cylinder and printing bed, the speed of the pick-up means being less than the speed of the rotatable article.

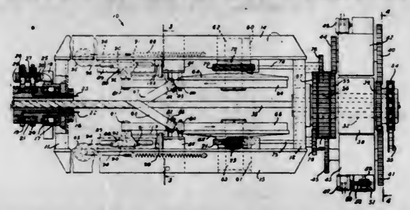
2,362,664
CLOSE-FIT CONNECTOR
George E. Reed, Omaha, Nebr., assignor to Charles C. Bradt, Kansas City, Mo.
Application March 20, 1943, Serial No. 479,857
1 Claim. (Cl. 85—1)



In a device of the character described for forming a pivotal connection between overlapped members having aligned openings; a headed, threaded bolt extended through said openings; a frusto-conical collar, shorter than the bolt, slidably mounted thereon with its small end projected into the said openings; a spring coiled about the bolt between the head thereof and the large end of the collar; and a nut threaded onto the bolt and disposed against one of the members for tensioning the spring, the taper of the frusto-conical collar being such as to engage the overlapped members without engaging the nut whereby the spring may progressively urge the collar into the openings as the openings are worn larger.

2,362,665
UNWINDING CONTROL DEVICE
Ellwood W. Reynolds, Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application October 7, 1942, Serial No. 461,223
7 Claims. (Cl. 57—15)

1. An unwinding control device comprising a rotatable supply of material whose circumferential dimension varies with the unwinding of the material therefrom, means to move the supply in a circular path about an advancing core to cause wrapping of the material on the core and unwinding of the material from the supply, means



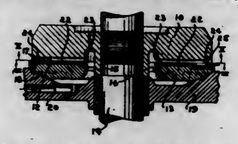
to create a given tension in the material, and means responsive to any variations in the tension in the material to rotate the supply at varied speeds.

2,362,666
AIR POWERED HAIR CUTTER
Emmett F. Sarver, Wichita, Kans., assignor of one-half to O. W. Wortman, Wichita, Kans.
Application April 15, 1943, Serial No. 483,132
9 Claims. (Cl. 30—41)



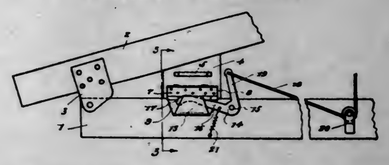
1. A hair cutter including fixed and movable members each having cooperating cutting edges, said members having at least one air chamber therebetween adapted to change in capacity upon movement of the movable member relatively to the fixed members, and pneumatic means having connection with said chamber for effecting movement of air through the chamber in propelling contact with the movable member and for discharging hair severed by the cutting edges.

2,362,667
THRUST BEARING
Henry F. Schmidt, Lansdowne, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 15, 1942, Serial No. 443,051
6 Claims. (Cl. 308—160)



1. In a thrust bearing, a stationary member having a continuous annular bearing surface, a rotary member having a bearing surface cooperating with the first bearing surface, said rotary member having a plurality of passages formed therein for supplying oil to said bearing surfaces, each of said passages having a radial component of direction and terminating short of the periphery of the rotary member so as to have a closed outer end lapped by the stationary bearing surface, means for supplying the inner ends of the passages with oil, and means providing for flushing out the passages including one or more clean-out openings formed in the stationary member and with which the outer ends of the passages successively register.

2,362,668
DUMP TRUCK BODY SUPPORT
George W. Schultz, Spokane, Wash.
Application May 25, 1943, Serial No. 488,410
5 Claims. (Cl. 298—17)



4. In combination with a vehicle including a chassis bar and a dump body mounted over the chassis for vertical swinging movement from lowered position upon the chassis to raised position for dumping; means for supporting the body in raised position comprising a block, a hinge bracket having leaves pivotally connected, one leaf of said bracket being fixed to the block and the other leaf being mounted against the chassis bar, and a tongue carried by the leaf fixed to said chassis bar and extending outwardly therefrom in position for supporting the block in a substantially horizontal lowered position.

2,362,669
PROCESS FOR THE REMOVAL OF CARBONYL SULPHIDE FROM LOW-BOILING HYDROCARBON FLUIDS
Walter A. Schulze, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application September 23, 1940, Serial No. 358,007
9 Claims. (Cl. 196—30)

1. The process for the removal of carbonyl sulphide from low-boiling hydrocarbon fluids which comprises passing said fluids subsequent to treatment for the removal of hydrogen sulphide and mercaptans in contact with a reagent comprising an adsorbent carrier impregnated with sodium plumbite solution.

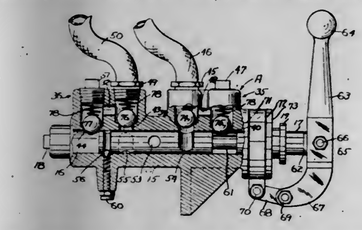
2,362,670
PROCESS FOR THE PRODUCTION OF LEAD SULPHIDE
Walter A. Schulze, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application January 2, 1942, Serial No. 425,480
4 Claims. (Cl. 23—134)

1. A method for the production of lead sulphide which comprises passing carbonyl sulphide over lead oxide at a temperature between the approximate limits of 200° to 700° F.

2,362,671
VALVE
Joseph F. Schwan, St. Paul, and Charles F. Pierson, Long Lake, Minn.
Application October 27, 1941, Serial No. 416,644
10 Claims. (Cl. 277—7)

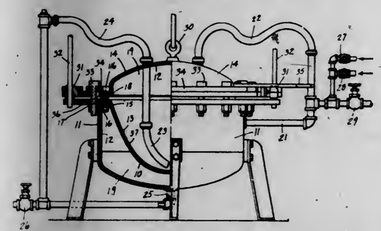
1. In a valve, a housing having a bore arranged to receive fluid from a supply source and outlet

and return ports opening into the bore intermediate the ends thereof, check valves in said ports, means movable in said bore in one direction for admitting fluid from the bore to said outlet port whereby the fluid will unseat and pass the check



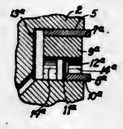
valve therein, said means being simultaneously movable in said bore in another direction for mechanically engaging the check valve in the return port laterally thereof to unseat the check valve to permit the return of the fluid therethrough into the bore.

2,362,672
APPARATUS FOR FORMING MATERIALS
Edward C. Sloan, Geneva, Ill., assignor to The Rudolph Wurlitzer Company, Chicago, Ill., a corporation
Application March 22, 1943, Serial No. 480,049
1 Claim. (Cl. 18—19)



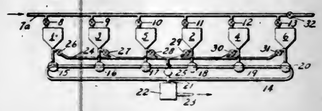
Apparatus for forming material involving the application of pressure and heat interchange, including a pair of mating forming dies, one of said dies comprising a preformed thin metal heat transfer sheet with only sufficient rigidity to provide a preliminary support for the material to be formed, a support for said metal sheet spaced therefrom to provide a pressure chamber, the opposite die comprising a sheet of vapor-proof flexible material adapted to conform to said rigid metal sheet, a support for said flexible sheet spaced therefrom to provide a pressure chamber, means for securing said respective die supports together with the material to be formed between said sheets and in direct contact with said heat transfer sheet, a pressure line leading to each support through which heat conveying fluid is conveyed to the respective pressure chambers under pressure, means communicating with each of said chambers for releasing the fluid pressure therefrom, and means intermediate said dies for providing an exhaust port for air or gases entrapped between said sheets, said heat transfer sheet acting to rapidly transfer heat between the material being formed and said fluid, the pressure of the fluid in one chamber acting to neutralize the pressure of the opposite chamber about said forming sheet whereby the pressure exerted on the material to be formed will not effect a distortion thereof.

2,362,673
PISTON PACKING
Dallas M. Smith, Kirkwood, Mo.
Application January 6, 1940, Serial No. 312,757
8 Claims. (Cl. 309—45)



1. A piston packing to be used in a ring groove of a piston and comprising a pair of resilient ring members formed of ribbon steel and adapted to contact the cylinder wall, one of said ring members having a radial thickness substantially less than the depth of said ring groove, a spacer adapted to expand and contract radially and positioned between said ring members and arranged to separate said ring members from each other, said spacer having a rabbet formed therein arranged to receive said ring member whose radial thickness is substantially less than the depth of the ring groove of said piston, an expander positioned in said rabbet between said spacer and said ring member and adapted to exert pressure on said ring member, and an expander positioned between said spacer and the bottom of the ring groove of said piston and adapted to exert pressure on said ring members and said spacer.

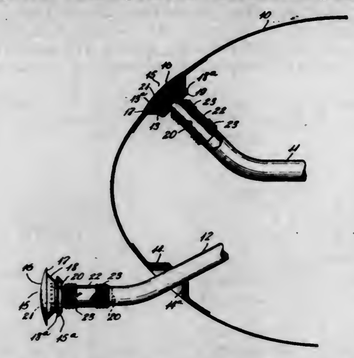
2,362,674
APPARATUS FOR HANDLING SPINNING SOLUTIONS
Lynwill Kelsey Spangler and Harold Conrad Pratt, Parkersburg, W. Va., assignors to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application October 4, 1941, Serial No. 413,578
8 Claims. (Cl. 18—8)



1. In apparatus of the class described, a plurality of supply tanks, a main header connected to each of said tanks, valve means for controlling the flow of the contents of each of said tanks through said header, an auxiliary header connected to each of said tanks, valve means for controlling the flow of the contents of each of said tanks through said auxiliary header, means connecting said auxiliary header to said main header, and pumping means for controlling the flow through said connecting means.

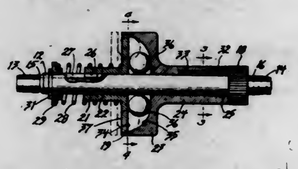
2,362,675
DETACHABLE PLUG
Charles S. Stebbins, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application December 24, 1942, Serial No. 470,109
5 Claims. (Cl. 138—89)

1. A detachable plug for mounting in an aperture in a wall and for connecting to a conduit, said detachable plug comprising a closed body having a flexible flange for contacting the margin of said aperture, an elastic portion opposite said flexible flange for elastically gripping the margin of said aperture, and means projecting



from said elastic portion for connecting said body to said conduit.

2,362,676
CENTRIFUGALLY CONTROLLED GOVERNOR DEVICE
Bruno Stechbart, Park Ridge, Ill., assignor to The Bell & Howell Company, Chicago, Ill., a corporation of Illinois
Application June 29, 1943, Serial No. 492,719
1 Claim. (Cl. 188—187)



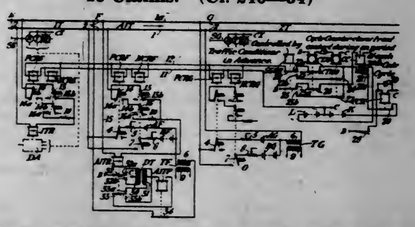
In a device of the character described, the combination of two bored rotatable members, a rotatable driving shaft engaged in the bores of said rotatable members and thereby carrying said rotatable members for coaxial rotation, a first of said rotatable members being slidably keyed on said shaft for axial movement relative to the second of said rotatable members, a coiled compression spring encircling said shaft and reacting thereon and yieldably urging said first member axially relative to said second member, a bearing operative axially between said shaft and said second member and preventing axial movement of said second member in the direction in which said first member is urged, frictional drive means operative between said shaft and said second member, each of said rotatable members being provided with one of two opposing axially facing surfaces of revolution of and converging in increasing increment outwardly from the axis of said rotatable members and of which the surface of said first member faces in the direction in which this member is urged, said first member being provided with a second axially facing surface of revolution of said axis facing in the direction opposite that in which this member is urged, a plurality of spherical centrifugal weight members arranged angularly about said axis and rotatable with said rotatable members and engaged between said opposing surfaces and movable radially of said axis, and a friction member with respect to which said first member is rotatable and engageable by said second surface.

2,362,677
CONVEYER SYSTEM
Edward W. Stephens, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
Application October 30, 1941, Serial No. 417,139
2 Claims. (Cl. 198—76)



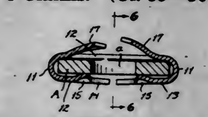
2. A conveyer system including a long narrow main conveyer and belt adapted to extend a considerable distance cross-country, a series of short auxiliary conveyer belts of progressively narrower width but all of greater width than the main conveyer belt for depositing material on the main conveyer belt, a series of short auxiliary conveyer belts of progressively greater width than the main conveyer belt for receiving material from the main conveyer belt, means for driving said main conveyer belt at a high rate of speed, and means for driving each of said other conveyer belts at a speed which corresponds to the speed of the main conveyer belt, substantially inversely as the square of the width of said other belt corresponds with the square of the width of the main conveyer belt.

2,362,678
RAILWAY TRAFFIC CONTROLLING APPARATUS
Howard A. Thompson, Edgewood, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application December 17, 1943, Serial No. 514,625
15 Claims. (Cl. 246—34)



1. In combination, a section of railway track, means for supplying coded signaling energy consisting of alternate "on" and "off" periods to the rails of said section, a track relay connected to the rails of said section and responsive to said coded energy, and means for periodically increasing the voltage of the impulses of coded energy to increase the shunting sensitivity of the track circuit formed by said track relay and the rails of said section.

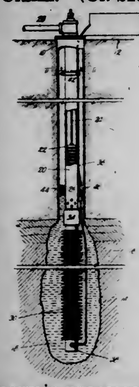
2,362,679
FASTENING DEVICE
George A. Tinnerman, Cleveland, Ohio, assignor to Tinnerman Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application February 16, 1943, Serial No. 476,093
3 Claims. (Cl. 85—36)



1. A fastener adapted for use with an article having an opening therein for receiving a bolt

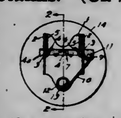
or the like, said fastener comprising a strip of sheet material bent on itself in two regions to provide an intermediate top portion and two bottom portions spaced from the top portion and separated from each other by an amount sufficient to admit said article, the bottom portions having their extreme ends recessed to provide a bolt-receiving opening, and each bottom portion back of the recess having an upwardly extending indentation to engage only the face of the article around the bolt-receiving opening therein, and the intermediate top portion being provided with an opening for the passage of a bolt or the like and having means thereon to engage the thread of a bolt passing therethrough.

2,362,680
ELECTROTHERMIC OIL WELL PROCESSOR
Donald F. Troupe, Kansas City, Mo.
Application May 17, 1941, Serial No. 393,992
1 Claim. (Cl. 219—33)



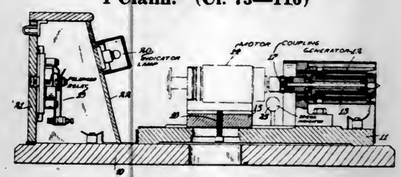
An electro-thermic processor for oil wells having a pump barrel terminating at a point spaced above the bottom of the bore of the oil well, said processor comprising a molded resistance body including a mixture of silicon carbide, carbon and a suitable binder; means for attaching said body to the lower end of the pump barrel; a source of electrical energy; and conductors joining the said source of energy and said body whereby to pass current through the latter to heat the same, said body being beneath the surface of liquid in the well bore, said body having a series of integral, spaced apart concentric fins for radiating heat uniformly from said body.

2,362,681
CLASP
Ethan W. Vars, Bellefonte, Pa.
Application September 5, 1941, Serial No. 409,674
7 Claims. (Cl. 24—87)



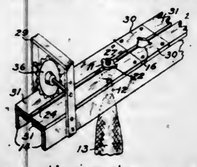
1. In a clasp, the combination of a back plate, two pairs of hooks pivotally mounted on the back plate, levers actuating the hooks, means securing the levers with the hooks in engaged position, a cover plate secured to the back plate and housing the levers between the cover plate and back plate, and releasable connections between the cover plate and back plate permitting access to the back of the back plate.

2,362,682
APPARATUS FOR CHECKING THE POWER GENERATED BY SMALL MOTORS
Frederick James Watson, Old Windsor, England, assignor to Self-Priming Pump & Engineering Co. Limited, London, England, a British company
Application June 17, 1943, Serial No. 491,187
In Great Britain April 23, 1942
1 Claim. (Cl. 73—116)



A device for checking the power performance of a motor comprising the combination of an eddy current generator the field of which is variable and controlled by means of a variable resistance, a mounting device for the motor to be tested, mechanical coupling means for connecting the motor to the eddy current generator, means for ascertaining when the motor is running at a predetermined speed, a polarised relay coupled in parallel with the field of the eddy current generator, and two different visual indicators controlled by the polarised relay to indicate whether or not the power generated by the motor has reached the prescribed standard.

2,362,683
SORTING AND ASSEMBLY SYSTEM
David Weinberg, Chicago, Ill.
Application March 27, 1943, Serial No. 480,793
4 Claims. (Cl. 209—80)

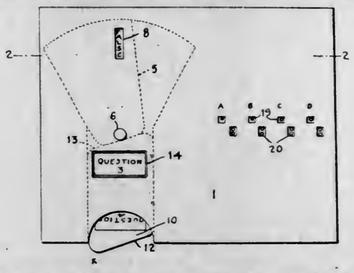


1. A laundry sorting system, comprising, a plurality of container suspension keys each having a flat horizontal approximately circular suspension plate provided with one or more formations radiating from the plate periphery and also having a depending positioning flange extending centrally across and beneath the circular plate, all keys of selected groups having the peripheral formations thereof identically located with respect to their positioning flanges and the peripheral formations of the different groups being differently located, a pair of laterally spaced guide rails along which said keys are transportable with said flanges thereof travelling flatwise within the separating space, said rails being provided with successive local openings formed to permit plates of predetermined shape to gravitate freely therethrough, and means for advancing said keys in spaced relation along said rails.

2,362,684
GAME
Ernest A. Zadig, Norwalk, Conn.
Application June 18, 1943, Serial No. 491,331
2 Claims. (Cl. 35—22)

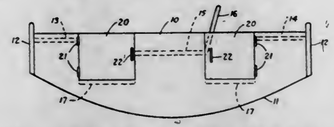
1. A game board, comprising upper and lower panels, a spacer panel therebetween, said spacer

panel being cut away to provide an open space between said upper and lower panels and a channel communicating therewith and extending between said upper and lower panels from said open space to one edge of the board, a pivotally mounted indicator located in said open space, said indicator having a cam edge opposite said channel, said indicator having indicia printed thereon in the form of words indicating appro-



priate answers to questions, and a card adapted to be inserted in said channel, said card having indicia printed thereon in the form of a question appropriate to one of the answers, said card having a cam edge engaging the came edge of said indicator to move said indicator to a position such that the indicia on the indicator indicates the appropriate answer to the question on the card.

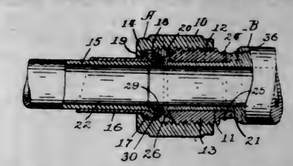
2,362,685
ROCKER
John Damsted, Sudbury, Ontario, Canada
Application August 27, 1943, Serial No. 500,261
1 Claim. (Cl. 155—69)



A rocker comprising a rectangular frame composed of spaced parallel side members and end members, said side members having their lower edges curved longitudinally forming rockers, end seats extending transversely of the frame adjacent the upper edges of the side members, the end members extending upwardly to form back rests for the end seats, an intermediate seat extending transversely of the frame on a horizontal plane lower than the plane of the end seats, a back rest for the intermediate seat, foot boards between the end and intermediate seats below the horizontal planes of said seats, risers between the foot boards and seats, and doors in one of the side members of the frame to permit access to the seats.

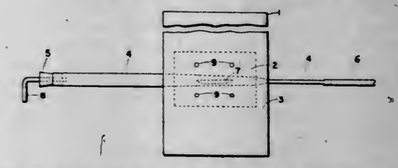
2,362,686
COUPLING
Frank A. De Lano, Los Angeles, Calif.
Application January 12, 1943, Serial No. 472,094
4 Claims. (Cl. 285—86)

1. In a tube coupling, a female member having a tube provided with a flared end forming a tapering seat, a sleeve in which said tube is held having an annular outer shoulder in which the flared end of said tube is seated, and an internally threaded nut having an inner flange swiveled back of the shoulder on said sleeve with the flared end of said tube held within the inner portion of the nut, and a male tubular fitting having a cylindrical neck and a forwardly tapering head portion on said neck adapted to snugly seat within the flaring end of said tube, and an externally threaded collar on said neck adapted to be threadedly engaged by said nut to clamp the male



and female members together with said tapered portions tightly seated, said collar being split longitudinally into segmental slips and engaged at one end by an undercut in said head, and a retainer for holding said slips clasped on said neck.

2,362,687
ANALYTICAL APPARATUS
George Miller Dreher, Grosse Pointe Woods, Mich.
Application April 18, 1942, Serial No. 439,453
3 Claims. (Cl. 13—20)

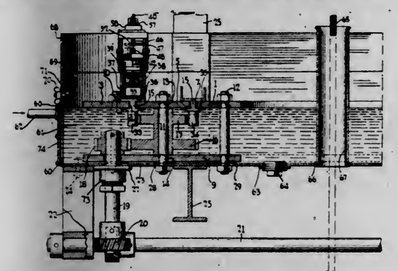


1. In analytical apparatus, a combustion furnace having a heating chamber, heat insulating walls surrounding said chamber, a combustion tube of refractory material and integral construction passing through said chamber and extending for a substantial distance beyond the front and also beyond the rear of the furnace to relatively cool zones, said tube at its front end having an opening for insertion of a combustion boat containing the sample to be determined and for also receiving a removable resilient fitting for connection to an oxygen or other gas supply, said tube at its rear exit end being open and adapted to receive a flexible connection for passage of gases from said combustion tube, one set of silicon carbide heating elements disposed above said tube, and another set of silicon carbide heating elements disposed below said tube, the heating elements of each set passing through said heating chamber, and extending transversely of the tube, and spaced along the length of the tube relatively close each other but at substantial distances from the opposite ends of the tube, to permit a relatively short intermediate portion of the tube being intensely heated and the opposite ends of the tube remaining relatively cool.

2,362,688
BRAIDING MACHINE
John Dunn, Mountainside, N. J., assignor to Titeflex, Inc., Newark, N. J., a corporation of New Jersey
Application June 27, 1941, Serial No. 399,976
3 Claims. (Cl. 87—32)

1. In a braiding machine the combination with a plurality of bobbin carriers, of an annular deck having intersecting sinous track slots in which said carriers are guided, each of said carriers having a horn extending below said deck, horn

gears below said deck and adapted to engage said horns to move said bobbins along the said sinous track slots, intermeshing driving gears fixed respectively to said horn gears, a flat, annular bottom plate, means for securing said bottom plate and said deck together, said horn gears and said intermeshing gears being rotatably mounted in said deck and bottom plate and an oil pan having a flat, annular bottom beneath said bottom plate, said pan bottom extending beyond the inner and



outer edges of said bottom plate, and said pan having an outer side secured to the outer edge of said pan bottom and extending above said deck and said pan having an inner, tubular side wall through which the body receiving the braid may pass, said tubular side wall being secured to the inner edge of said pan bottom, said inner, tubular wall extending through both said bottom plate and said deck, said pan being substantially liquid-tight around said deck, said oil pan having an open top.

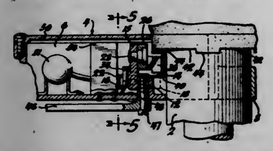
2,362,689

DIRECTION SIGNAL SWITCH

Jesse E. Eshbaugh, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application August 4, 1941, Serial No. 405,281

4 Claims. (Cl. 200—59)



4. In a motor vehicle, a steering member, a lug on said member, a switch, means to close the switch, a tiltable lever, resilient means onto which one end of the lever may ride to move the lever end into the path of said lug upon closing of the switch whereby rotation of the steering member in one direction causes said lug to pass over and depress the lever end without affecting the switch, and rotation in the opposite direction causes said lug to engage said end of the tilted lever to open the switch.

2,362,690

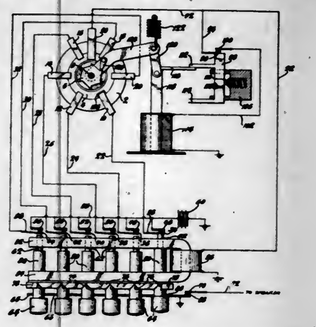
TUNING MECHANISM

Ludwig J. Fichter, Dayton, Ohio, and Bertram A. Schwarz, Kokomo, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application October 21, 1942, Serial No. 462,832

10 Claims. (Cl. 172—239)

1. In an indexing system, a rotatable indexing means, ratchet means to rotate the first-named means, a circular conductor mounted on the rotatable means having an indexing notch thereon, a plurality of brushes overlying the conductor means adapted to enter the slot at one point, means connecting the switching means formed by the brushes and circular conductor



to the ratchet means to control the same and a plurality of actuatable means connected to the brushes to close the circuits therethrough and bring the indexing means to a predetermined position, dependent upon which of the actuatable means was moved.

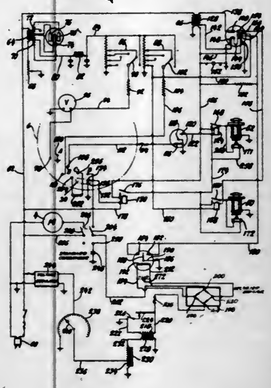
2,362,691

CONDENSER TESTER

Martin W. Gaiser, Kokomo, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application July 31, 1941, Serial No. 404,825

7 Claims. (Cl. 209—81)



1. In a device for testing condensers, movable means for moving said condensers along a predetermined path past a series of test positions, a source of adjustable regulated alternating current connected to a test position, a rectifier connected thereto, a balanced meter relay connected to the rectifier whereby the A. C. current flow through a condenser is measured, a pair of spaced contacts, one on each side of the balanced relay arm, electronic means normally biased to cut off, selective means to classify the condensers controlled by said electronic means and means connecting the electronic means to the spaced contacts to vary the bias on the electronic means and control the operation of the selective means.

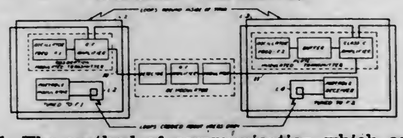
2,362,692

COMMUNICATION SYSTEM

Harold Goldberg, Frank H. Slaymaker, and J. Russell Stewart, Rochester, N. Y., assignors to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y., a corporation of New York

Application February 12, 1942, Serial No. 430,592

8 Claims. (Cl. 250—6)



1. The method of communication which consists in generating a first radio frequency alternating current, radiating electro-magnetic waves of said first radio frequency from a radiator circuit, generating audio frequency signals, absorptively modulating said first radio frequency electro-magnetic waves by reflecting said audio signals into said radiator circuit, generating a second radio frequency alternating current, radiating electro-magnetic waves of said second radio frequency, modulating said second radio frequency as a function of said modulated first radio frequency, and receiving said audio frequency signals by demodulating the signals produced by the modulation of said second radio frequency.

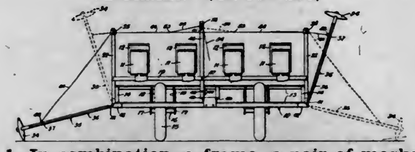
2,362,693

MARKER CONSTRUCTION

Clarence C. Haas, Richmond, Ind., assignor to International Harvester Company, a corporation of New Jersey

Application March 31, 1943, Serial No. 481,207

11 Claims. (Cl. 97—230)



1. In combination, a frame, a pair of markers movably mounted thereon for movement between an operative ground-engaging position and an inoperative raised position, means interconnecting the markers so as to cause placing of each marker in ground-engaging position to effect placing of the other marker in raised position, and a control element connected with a midpoint of the interconnecting means and arranged so as to cause an actuation of the control element in a certain direction to place one marker in ground-engaging position and the other marker in raised position and another actuation in the same direction to place the said other marker in ground-engaging position and the said one marker in raised position.

2,362,694

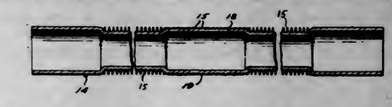
METHOD OF MANUFACTURING TUBES FOR HEAT EXCHANGE DEVICES

Walter P. Hill, Detroit, Mich., assignor to Calumet and Hecla Consolidated Copper Company, Calumet, Mich., a corporation of Michigan

Original application February 2, 1942, Serial No. 429,312. Divided and this application July 13, 1942, Serial No. 450,765

1 Claim. (Cl. 29—157.3)

The method of forming a finned tube to enable the same to be supported intermediate the ends in an opening having a diameter at least as great as the outside diameter of the fins, comprising the steps of providing a length of tubing having outwardly projecting fins extending from a point adjacent one end of the tubing to a point adjacent the opposite end, forming a cylindrical bear-



ing surface on the finned tubing intermediate the ends to a diameter approximating the diameter of the opening by expanding a portion of the tubing intermediate the ends and by bending the fins to overlap each other and form a substantially flattened surface on the expanded portion.

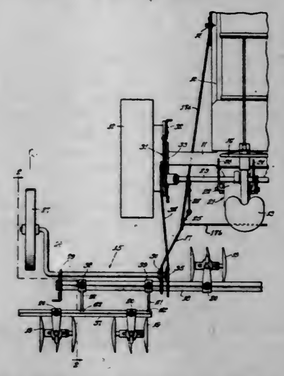
2,362,695

AGRICULTURAL IMPLEMENT

James L. Hipple, Canton, Ill., assignor to International Harvester Company, a corporation of New Jersey

Application July 14, 1942, Serial No. 450,900

2 Claims. (Cl. 97—232)



1. In combination, a tractor having a rear axle structure, an agricultural implement of one width connected to the tractor forwardly of the rear axle structure and arranged to extend to a location in rear thereof, said agricultural implement including a main tool-carrying frame with a transversely extending tool bar on its rearward end and adapted to have ground-working tools clamped thereon at different row spacings, means for converting the implement into an implement of similar type but having greater width, said converting means including a tool bar portion to which working tools may be similarly clamped and means for detachably clamping the tool bar portion to the main tool bar in longitudinally spaced relation thereto to extend transversely beyond the end thereof, whereby added row spacing of the working tools may be had.

2,362,696

INGOT STRIPPER

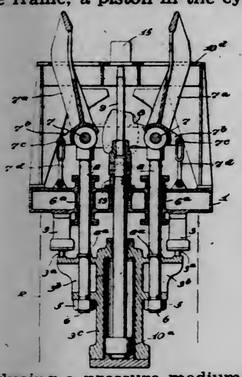
Ossian Hively, Alliance, Ohio, assignor to Morgan Engineering Company, Alliance, Ohio, a corporation of Ohio

Application March 13, 1944, Serial No. 526,238

13 Claims. (Cl. 22—95)

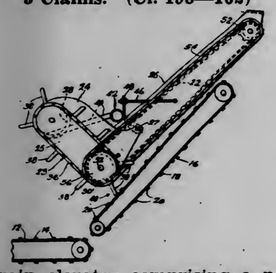
1. A stripper of the character described, comprising a frame, means above the frame adapted

to support a mold having external lugs and an opening in its bottom, upwardly and downwardly movable supporting means guided by the frame, means for limiting downward movement of the supporting means relatively to the frame, tongs movably connected to the upper portion of the supporting means and having upper ends movable toward and away from one another for engaging and disengaging the lugs of the mold, a cylinder carried by the supporting means and arranged below the frame, a piston in the cylinder, means



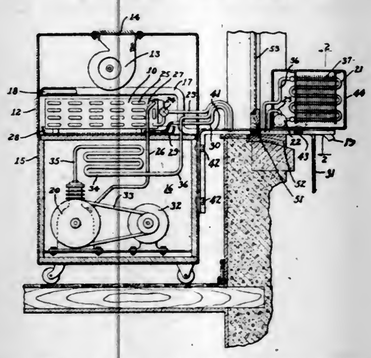
for introducing a pressure medium into the cylinder above and below the piston and for discharging the pressure medium from the cylinder, a piston rod connected to the piston and extending upwardly therefrom, a ram carried by the piston rod and adapted to pass through the opening in the bottom of the mold, means for limiting downward movement of the piston rod relatively to the frame, and means for causing said tongs to open and close due to movement of the supporting means.

2,362,697
GRAIN BINDER.
Edwin F. Huddle, Elmwood Park, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application April 28, 1943, Serial No. 484,837
5 Claims. (Cl. 198—162)



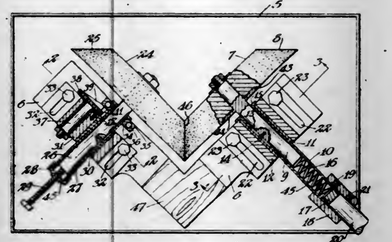
1. A grain elevator comprising a pair of inclined superposed upper and lower endless conveyors extended around spaced apart pulleys, shafts for said pulleys, a bracket at the lower end of one side of said conveyors extending upwardly therefrom, a pair of sprockets journaled on said bracket, one of said sprockets being on the lower of the upper conveyor pulley shafts, the other of said sprockets placed near the top of said bracket, a chain draped around said sprockets, and fingers extending outwardly from the chain and adapted to penetrate the bushy ends of the grain being elevated.

2,362,698
REFRIGERATING APPARATUS
Harry B. Hull, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application October 24, 1934, Serial No. 749,773
9 Claims. (Cl. 62—129)



1. In a room or the like, a window, a false window sill, an air conditioner, said air conditioner including a bracket extending through said window sill, said air conditioner comprising an evaporator within the room, and a condenser mounted on the bracket without the room.

2,362,699
KNIFE SHARPENER
Jerome J. Kilian, Osseo, Minn.
Application February 10, 1942, Serial No. 430,178
4 Claims. (Cl. 51—40)

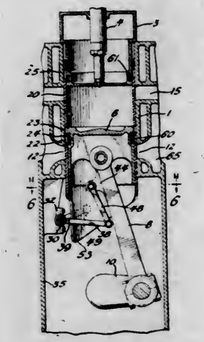


1. Sharpening apparatus comprising, a pair of rotary abrasive elements having working faces in frictional contact, one of said abrasive elements having a drive connection, and means for reciprocating said abrasive elements oppositely to each other while in contact to produce relative lateral movement between said abrasive elements.

2,362,700
SLEEVE VALVE ENGINE
Hugh C. Kirtland, Detroit, and Kenneth L. Hulsing, Plymouth, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 10, 1943, Serial No. 494,138
7 Claims. (Cl. 123—65)

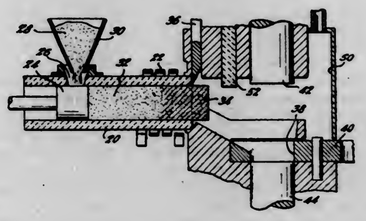
1. In an internal combustion engine, a cylinder, a piston in the cylinder, a circumferential series of ports in the cylinder wall, a sleeve valve slidable axially of said cylinder between the piston and the cylinder wall, two circumferential series of

ports in the sleeve valve, a narrow circumferential land between said ports, and means for driving the sleeve valve in timed relationship with the piston such that said ports in the cylinder wall are uncovered by the edges of one of said series of ports in the sleeve before they are uncovered



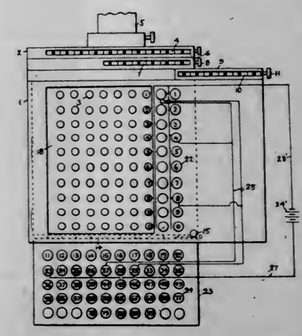
by the piston and are closed by said edge before they are covered by the piston; said land cooperating with the piston to seal the path between the ports in the cylinder wall and the interior of the cylinder to delay the opening of said ports until some time after they have been uncovered by the piston.

2,362,701
APPARATUS FOR MAKING POROUS METAL PARTS
Roland P. Koehring, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application October 17, 1941, Serial No. 415,446
1 Claim. (Cl. 29—34)



Apparatus for forming strong, highly compressed articles from metal powders, comprising in combination an elongated heating chamber of uniform cross section including adjacent an open end thereof an induction heating coil capable of agglomerating a portion only of the metal powder charge into said chamber, a piston disposed at the other end of said chamber and capable of reciprocation for ejecting a predetermined portion only of the hot agglomerated metal powder from said chamber upon each inward stroke thereof, supply means for supplying additional metal powder to the chamber on each outward stroke of said piston whereby the portion of agglomerated metal powder ejected from the chamber by the inward stroke of the piston is replenished, cut off means disposed externally of the heating end of said chamber for cutting off the ejected metal powder, said cut off means being synchronized to operate on the outward stroke of said piston, a die having a desired configuration of the article to be formed, means for conveying the hot agglomerated portion cut off by the cut off means to said die, compressing means for compacting the cut off portion while hot in said die to form an article of high density, strength and of the desired shape, ejecting means for ejecting the compacted article from said die, said compressing means and ejecting means being synchronized to operate upon each cycle of operation of the piston and cut off means, and supply means for supplying a controlled atmosphere around the heating end of said chamber and around the die, compressing means and ejecting means whereby the portion of metal powder ejected from the chamber is at no time subjected to the action of the air until after the compacting step has been completed.

2,362,702
CALCULATING MACHINE
Samuel I. Krieger, New York, N. Y.
Application June 30, 1942, Serial No. 449,053
1 Claim. (Cl. 235—61)

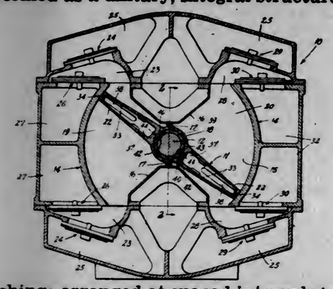


An attachment for an adding machine for multiplying numerical factors comprising a frame adjustable over an adding machine keyboard; two banks of manually operable plungers movably supported on the frame and operable to depress the keys of two adjoining banks of the adding machine; a plurality of magnet coils mounted on the frame at every plunger; a secondary keyboard, and a switch at every key of the secondary keyboard connected in a circuit with the coils of one or two plungers belonging to the two banks of plungers; and means to shift the frame step by step to position the plungers over successive pairs of banks of the adding machine keyboard.

2,362,703
PUMP IMPELLER
Julius Kuttner, Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill., a corporation of Illinois
Application August 21, 1942, Serial No. 455,601
7 Claims. (Cl. 103—145)

1. An impeller of the character described, for a fluid pump, comprising a substantially tubular hub, impeller arms extending radially from said hub, and hub bushings each having at least one

peripheral projection thereon, said hub and arms being formed as a unitary, integral structure with



said bushings arranged at spaced intervals in said hub and having the projections thereon embedded in the hub.

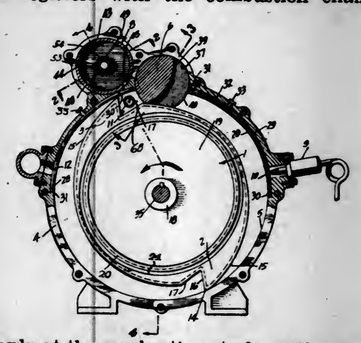
2,362,704
NASAL APPLICATOR
Charles S. McGivern, Margate City, N. J.
Application January 21, 1944, Serial No. 519,171
1 Claim. (Cl. 128—260)



A nasal applicator comprising an elongated shank, a handle positioned adjacent one end of said shank and being formed of a plurality of spaced convolutions which encircle said shank, the innermost convolution frictionally binding said shank for preventing movement of said convolutions relative to each other and said shank, said convolutions being formed integrally with said shank, said handle, in its entirety, being of a weight less than said shank and said projection a projection formed integrally with said shank and positioned adjacent the other end of said shank, serrations on said shank adjacent to but separated from said projection, and indicia on said shank positioned between said handle and said serrations.

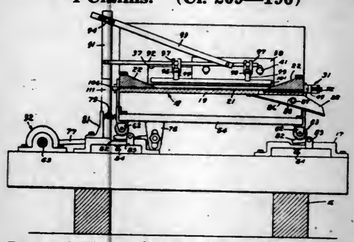
2,362,705
PRIME MOVER DEVICE
John H. Macartney and Robert S. Stark, San Francisco, Calif., assignors of twenty per cent to I. Ruderman, San Francisco, Calif.
Application September 9, 1939, Serial No. 294,066
5 Claims. (Cl. 123—13)

2. In an engine, a precompressing mechanism, comprising, a movable power receiving element, a diverter in the path of the medium compressed by the movable power-receiving element, an accumulator member to receive and accumulate the compressed medium, a wall of said accumulator being rotatable, a hollow sleeve axial to said rotatable wall and rotating therewith, said sleeve having an opening forming the intake to the accumulator member, means to conduct the diverted medium to said axial sleeve, a stationary sleeve around the axial sleeve having a port therethrough, an inlet to the combustion chamber, an accumulator outlet on said rotary wall, and means to so rotate said rotary wall that its outlet registers with the combustion chamber



inlet only at the combustion stroke of the engine, the relative positions of said sleeve intake opening, said stationary sleeve port, and said accumulator outlet being such that said intake opening is in registry with said stationary sleeve opening only during the compression strokes of the engine.

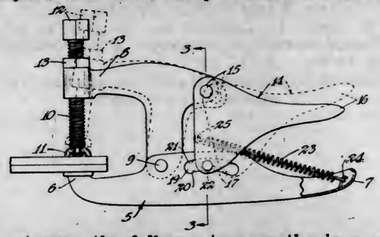
2,362,706
CONCENTRATING APPARATUS
John H. Macartney, San Francisco, Calif.
Application January 24, 1942, Serial No. 428,098
4 Claims. (Cl. 209—196)



1. In a device of the character described, a riffle table having substantially transverse riffles, means for oscillating the table in a direction substantially parallel to the riffles so as to precipitate concentrates toward one end of the riffles, conductors immersed in the gangue passing over the riffles, a conductor element in the riffles spaced from said first conductor so that a current passes through the pulp and concentrates between said riffles, and means to interrupt said current during the portion of oscillation which precipitates the concentrates toward said ends of the riffles.

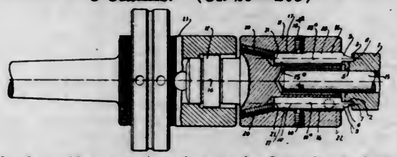
2,362,707
QUICK-ACTING CLAMP
Oscar V. Malmquist, Minneapolis, Minn.
Application May 3, 1943, Serial No. 485,474
7 Claims. (Cl. 144—302)

1. A quick-acting hand clamp comprising a stationary lever element providing a fixed jaw at its front end portion and a handle at its rear end portion, a movable jaw element pivoted to the intermediate portion of the fixed lever element for co-action with the fixed jaw, and an operating lever extending between the fixed lever element and an intermediate portion of the pivoted jaw element being pivoted to one of said elements and having cam and cam follower engagement with the other of said elements, of the cam and cam follower one thereof being on the stationary lever element and the other thereof being on the operating lever, said cam providing a continuous cam surface whose intermediate portion is constructed to act upon the follower to close the jaws and whose end portions are constructed



to act upon the follower to open the jaws as the follower moves away from the intermediate portion in either direction, said cam being formed at its intermediate portion with a shallow transverse channel wherein the cam follower will be locked against movement resulting from pressure applied between the jaws.

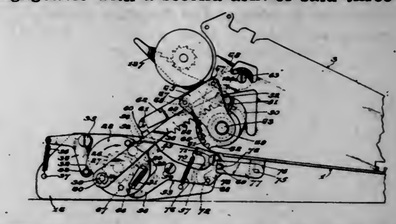
2,362,708
CUTTER
John A. Markstrum, Detroit, Mich., assignor to Ex-Cell-O Corporation, Detroit, Mich., a corporation of Michigan
Application June 29, 1942, Serial No. 448,929
3 Claims. (Cl. 29—105)



1. A cutter comprising a body adapted to be mounted for rotation about its longitudinal axis, said body having a plurality of axially opening bores offset laterally from and angularly spaced around said axis, cylindrical blades mounted respectively in said bores for rotary adjustment and being rotatable as a unit about said axis, the ends of said blades projecting from said body, a side cutting edge parallel to said body axis on one of said projecting blade ends for milling an internal work surface, a side cutting edge parallel to said body axis on another of said blade ends for simultaneously milling an external work surface, an end cutting edge on each of said blade ends for simultaneously milling a root surface between said internal and external surfaces, means on said body selectively operable to adjust said blades individually about their own axes incrementally into any selected angular position within a predetermined range without varying the effective cutting contour of said edges whereby to move their edges toward and away from said body axis to vary the diameters of the cutting circles of revolution of said side edges, and means for clamping said blades in position of adjustment.

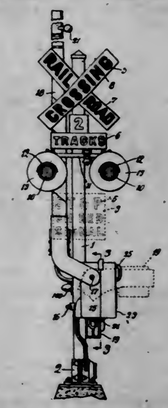
2,362,709
CALCULATING MACHINE
Thomas O. Mehan, Park Ridge, Ill., assignor to Victor Adding Machine Co., Chicago, Ill., a corporation of Illinois
Application November 21, 1941, Serial No. 419,823
1 Claim. (Cl. 235—130)

In a calculating machine having a main shaft to be oscillated, an electric motor operable to rock said shaft in one direction from its normal position, spring means to rock said shaft in the reverse direction, a one revolution clutch mechanism forming a driving connection between said motor and said shaft, said mechanism including a clutch controlling three-arm lever having a detent engageable with one arm thereof to hold said lever alternatively in clutch-releasing or clutch-engaging position, manually operated means including a lock link and a resilient lost motion connection for moving said three-arm lever to clutch-engaging position, means including an element displaced by movement of said main shaft and engageable with a second arm of said three-arm



lever to prevent movement of the latter from clutch-disengaging to clutch-engaging position until said main shaft approaches normal position, clutch driven means cooperating with the third arm of said three-arm lever as the shaft approaches normal position for restoring said lever to clutch-disengaging position, an operating handle detachably secured to said main shaft, and means forming part of said operating handle to prevent effective movement of said lock link by said manually operated means when said operating handle is secured to said main shaft, whereby said manually operated means is rendered incapable of moving said three-arm lever to clutch-engaging position while said operating handle is secured to said main shaft.

2,362,710
GRADE CROSSING GATE
Samuel Miskelly, Downers Grove, Ill., assignor to Western Railroad Supply Company, Chicago, Ill.
Application April 21, 1941, Serial No. 389,541
9 Claims. (Cl. 39—7)



1. In a railroad crossing signal, a gate arm pivoted about an horizontal axis, counterbalancing means connected to said arm and arranged

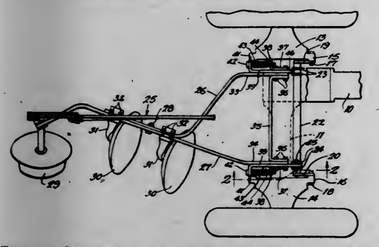
as to exert a greater counterbalancing force with the arm in the "warning" position and a minimum force with the arm in the "clear" position, an actuating mechanism geared to said arm and including a reversible electric motor and an electric circuit to pass current through said motor in opposite directions in different angular positions of said arm, and a centrifugal brake connected to the motor shaft and operative above a predetermined speed to limit the speed of movement of said gate arm in one direction only.

2,362,711
WOOD-TURNING TOOL
Samuel A. Moore, Los Angeles, Calif.
Application June 14, 1943, Serial No. 490,751
6 Claims. (Cl. 142—56)



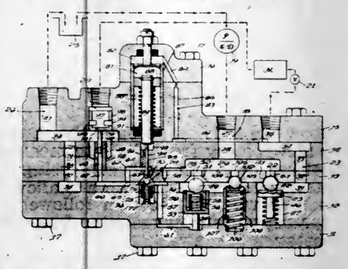
1. A wood turning tool which comprises: a body having a flat working face and a bridge portion along one side thereof, said body being provided with a slot extending from a point adjacent said bridge obliquely across the longitudinal axis of said tool and through the opposite edge of said body; a cutting blade mounted on said body and extending through said slot to the working face of said body; and a pair of handles extending from opposite ends of said body substantially in the plane thereof, one ahead of, and one behind said blade, whereby when said tool is held in normal position on the rotating workpiece the axis of the handles will be at right angles to the axis of the work-piece, said blade will be disposed at an angle thereto with the open side of said slot facing downwardly to permit free egress of the chips therefrom.

2,362,712
CUSHION SPRING HITCH FOR PLOWS
James Morkoski, Canton, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application January 29, 1943, Serial No. 473,924
4 Claims. (Cl. 280—33.9)



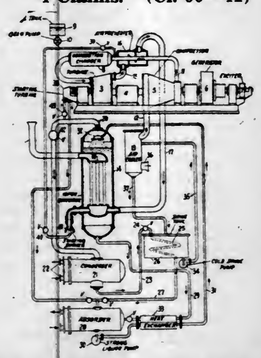
1. In combination, an implement support having spaced attaching portions, an implement, an implement frame adapted for the attachment thereto of soil-working implements, one end of said frame having longitudinally projecting arms for attachment to said spaced portions, a slotted member mounted upon each said arm for longitudinal movement with respect thereto, means for limiting the longitudinal movement of said slotted member, and longitudinally urged resilient means connecting said slotted member to said arm responsive to longitudinal stress imparted to said implement frame.

2,362,713
PRESSURE REGULATING APPARATUS FOR CONSTANT DELIVERY PUMPS
Carl W. Mott, La Grange, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application December 31, 1943, Serial No. 516,469
11 Claims. (Cl. 60—52)



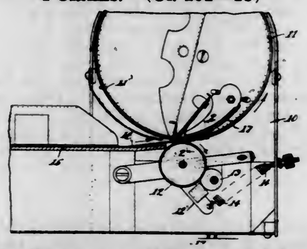
4. In a pressure regulating apparatus for the propelling fluid of a fluid-driven motor; a delivery passage through which fluid is delivered to the motor excepting when diverted from said delivery passage, a by-pass passage, a by-pass valve operable to introduce the fluid into said by-pass passage divertively of said delivery passage and closable to preclude such introduction of the fluid into said by-pass passage, valve closing means actuable to close the by-pass valve, control means operable responsively to a decrease of pressure in said delivery passage to incur the actuation of said valve closing means, and means responsive to the operation of said motor to preclude opening of the by-pass valve while the motor is being driven.

2,362,714
STARTING COMBUSTION TURBINES
Friedrich Nettel, Manhasset, N. Y.
Original application June 13, 1941, Serial No. 397,980, now Patent No. 2,339,185, dated January 11, 1944. Divided and this application August 17, 1943, Serial No. 498,995
4 Claims. (Cl. 60—41)



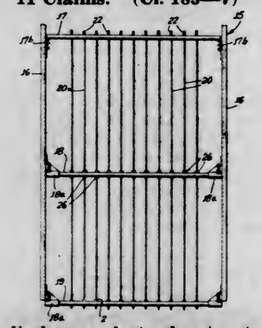
4. A power system, comprising thermal power mechanism including a combustion device, means to compress air for use in said combustion device, a vessel containing a gaseous substance in a liquid carrier, a second combustion device disposed to heat said carrier and drive said gaseous medium from said carrier when said second combustion device is operating, a prime mover connected to drive said compressing means, and means to conduct the gaseous medium driven off from said carrier to drive said prime mover.

2,362,715
REGISTERING MEANS FOR DUPLICATORS AND THE LIKE
Carl H. Olsen, Chicago, Ill., assignor to Henry Hildebrandt, Chicago, Ill.
Application December 30, 1941, Serial No. 424,876
4 Claims. (Cl. 101—18)



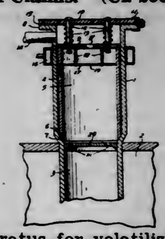
1. A duplicator comprising a revolving stencil and cylinder; an impression roller contacting and cooperating therewith to simultaneously impress and feed sheets fed thereto; means for periodically separating said cylinder and roller; means for feeding sheets into the space between said cylinder and roller while separated; and additional feeding means arranged laterally on said cylinder in and confined to the lateral space immediately preceding the stencil for initiating the feeding of said sheets, said additional feeding means being adapted and arranged to effect positive engagement with the forward edge only of said sheets and immediately release them.

2,362,716
DISCHARGE ELECTRODE STRUCTURE FOR ELECTRICAL PRECIPITATION APPARATUS
Frederick W. Phillips, Toronto, Ontario, Canada, assignor to Western Precipitation Corporation, Los Angeles, Calif., a corporation of California
Application November 21, 1942, Serial No. 466,467
11 Claims. (Cl. 183—7)



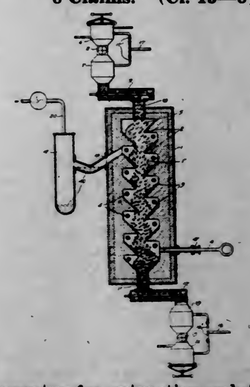
1. In a discharge electrode structure for an electrical precipitator, the combination comprising: a linearly-extended discharge electrode member; an electrode positioning member formed of insulating material; and electrically connected conductive frame members including a member supporting said electrode member at one position and electrically connected thereto and a member supporting said positioning member in loose engagement with said electrode member at a position longitudinally removed from said one position in such a manner as to limit transverse movement of said electrode member and permit longitudinal movement thereof relative to said positioning member.

2,362,717
APPARATUS FOR THE RECOVERY OF VOLATILIZABLE METALS
Lloyd Montgomery Pidgeon, Rockcliffe Park, Ontario, Canada, assignor, by mesne assignments, to Dominion Magnesium Limited, Toronto, Ontario, Canada, a corporation of Canada
Application January 8, 1942, Serial No. 426,008
In Canada December 18, 1941
14 Claims. (Cl. 266—19)



1. In apparatus for volatilizing metals, a retort having a volatilizing zone and a condensing zone therein, a removable condenser in the latter zone, a removable closure device for the condenser and retort comprising a pair of spaced apart plates, one bearing upon the end of the condenser and the other bearing upon the end of the retort, and means forming a vacuum passage leading through the wall of the retort at a point between said plates.

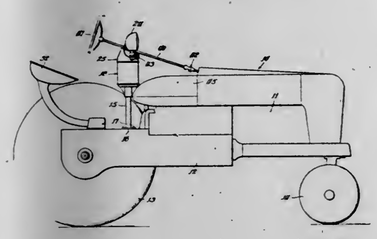
2,362,718
APPARATUS FOR RECOVERING VOLATILIZABLE METALS
Lloyd Montgomery Pidgeon, Rockcliffe Park, Ontario, Canada, assignor, by mesne assignments, to Dominion Magnesium Limited, Toronto, Ontario, Canada, a corporation of Canada
Application June 4, 1942, Serial No. 445,714
In Canada May 20, 1942
8 Claims. (Cl. 13—8)



1. Apparatus for extracting volatilizable metals from materials containing them comprising a

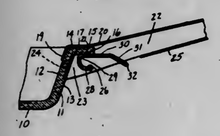
furnace having an elongated vertically extending reaction zone therein, means for admitting materials to be treated at the top of said zone, a plurality of baffles carried by the furnace wall and extending into said zone, said baffles having inclined upper surfaces adapted to receive materials passing through the zone and to direct the same downwardly, and an exposed heating element located under each of said baffles out of contact with said materials, said materials during their passage through said zone receiving direct radiant heat from said elements, and said baffles imparting a rolling action to said materials to constantly change the surface thereof exposed to said radiant heat.

2,362,719
AUTOMOTIVE ACCESSORY SUPPORT
Adelbert C. Radtke, Oak Park, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application April 28, 1943, Serial No. 484,827
7 Claims. (Cl. 180—1)



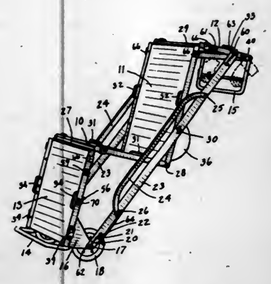
1. A vehicle having a steering shaft support including a column, a battery box mounted over said column, a relatively large cover on said battery box, and an auxiliary smaller cover covering an aperture in said larger cover.

2,362,720
DETACHABLE HANDLE FOR OPEN VESSELS
James H. Reichart, Muncie, Ind.
Application January 21, 1943, Serial No. 473,130
4 Claims. (Cl. 294—31)



1. A detachable handle for a vessel having an upwardly directed side wall with an outwardly directed lug near the top thereof, the lug having top, bottom and side faces, the handle comprising a channel-shaped body, the sides thereof lying immediately exterior to the lug sides, the forward edges of the body sides having abutting engagement with the exterior of the vessel side wall, the intermediate portion of the body uniting the sides thereof and projecting forwardly and overlying the vessel side wall at the top edge thereof, and lip means directed downwardly from the forward edge of the intermediate projecting portion and having predetermined spacing relative to the forward edges of the channel sides to form therewith a downwardly opening groove for vessel side wall reception, said lip means engaging the interior of the vessel side wall near the top thereof, handgrip means extending rearwardly of the body, and a clamping member having outwardly and oppositely directed ends pivotally supported by the body sides appreciably below the aforesaid projecting portion of the body and for vessel lug accommodation therebetween, the midportion of the clamping member extending rearwardly relative to said projecting portion, the junctions of said oppositely directed ends and the member being positionable in juxtaposition to the aforesaid body projecting portion, said junctions constituting the lug clamping portions of said member and pressure engaging the bottom of the lug, the member being oppositely tiltable about an axis defined by said member ends for lug clamping and releasing purposes, each of said junctions being of C-shape, the intermediate portion between the C-shaped junctions being of U-shape, and the midportion of the last mentioned intermediate portion constituting a rearwardly directed finger grip.

2,362,721
CONVERTIBLE AND COLLAPSIBLE LITTER
Henry V. Reynolds, La Fayette, Ind.
Application April 13, 1942, Serial No. 438,762
18 Claims. (Cl. 5—82)

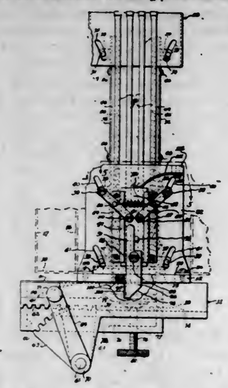


1. A convertible collapsible litter including in combination a seat section, a foot and leg section, and a back section, a pair of frame forming members pivotally connected intermediate their ends to opposite sides of the back section intermediate the ends thereof, a wheeling arrangement connected to one end of the leg section and having detachable connection with one adjacent pair of ends of the frame members, and a handle arrangement having detachable connection with the other ends of said frame members and pivotal connection with one end of the back section, the foot and leg section, seat section and back section being sequentially and pivotally connected together.

2,362,722
BUTTER CUTTER
William W. Rush and Gerard Joseph Maloney, Inkster, Mich.
Application July 8, 1942, Serial No. 450,108
12 Claims. (Cl. 31—21)

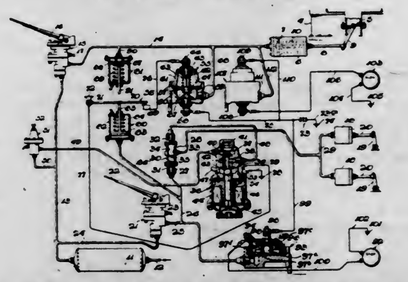
1. A butter cutter comprising a feed chute adapted to receive butter blocks, means for frictionally gripping and intermittently feeding the butter to a dispensing opening and means for severing the butter into individual servings of

predetermined thickness as it passes through said



dispensing opening in timed relation with the intermittent feeding means.

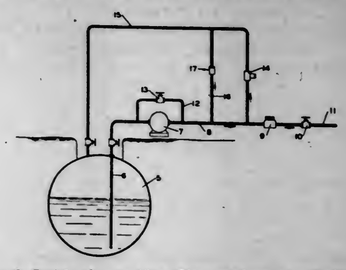
2,362,723
BRAKE MECHANISM
Roy S. Sanford, Woodbury, Conn., assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio, a corporation of Delaware
Application April 24, 1943, Serial No. 484,401
14 Claims. (Cl. 192—3)



1. The combination in a motor vehicle having a fluid pressure brake system including a source of fluid pressure, a fluid motor for actuating the brakes, valvular means for controlling the application of fluid pressure to said motor, and a vehicle engine having a throttle and an accelerator for controlling the operation of said throttle for controlling the speed of the engine, of auxiliary means for controlling the application of fluid pressure to said fluid motor, and means controlled by the operation of said valvular means and said accelerator for controlling the operation of said auxiliary means.

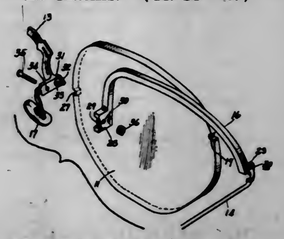
2,362,724
LIQUEFIED PETROLEUM GAS DISPENSING SYSTEM
Thomas V. Shea, Chicago, Ill., assignor to Phillips Petroleum Company, a corporation of Delaware
Application March 8, 1941, Serial No. 382,421
2 Claims. (Cl. 62—1)

2. A volatile liquid dispensing system comprising in combination a storage tank for the liquid, a dispensing conduit connecting the tank near its bottom to a dispensing point, a pump in the dispensing conduit for pumping the liquid and vapor from the liquid to the dispensing point, a return conduit connecting the tank near its top to the dispensing conduit between the dispensing point and the pump by two branch conduits connected in parallel, an automatic pressure relief valve in one of the branch conduits opening for



flow of fluids from the dispensing conduit to the return conduit whenever a predetermined maximum pressure is attained in the dispensing conduit and otherwise closing, and an automatic excess flow valve in the other branch conduit adapted to remain open as long as the material flowing therethrough is gaseous and to close when the material becomes liquid.

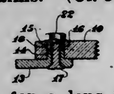
2,362,725
MOUNTING MEANS FOR RIMLESS GLASSES
David Slotsky, Cleveland, Ohio
Application February 16, 1942, Serial No. 431,016
12 Claims. (Cl. 88—47)



1. In a spectacle construction having a lens with a nasal small notch near the nasal edge thereof and a temple small notch near the temple edge thereof, a lens-edge member on one side of the lens following closely the contour of the edge of the lens and extending between the small notches, two engaging means connected at spaced locations to the lens-edge member, one of said engaging means being connected to the lens-edge member near one of said notches and comprising hook means adapted to fit therein, and the other of said engaging means being connected to the lens-edge member near the other of said notches and comprising a lug portion connected to the lens-edge member and having an anchoring opening therein, detachable hook means adapted to fit in the said other of said notches and having a fastening opening registerable with the said anchoring opening, said lug portion being spaced inwardly of the edge of the lens in a horizontal direction from the detachable hook means, and a fastening member in the two openings and securing the detachable hook means and the said lug portion together, the lens-edge member constraining the engaging means in the notches and securing the lens thereto, said fastening member extending inwardly of the edge of the lens in a horizontal direction from the de-

tachable hook means to the lug portion, whereby the force exerted by the fastening member in securing the detachable hook means and said lug portion together tends to spread the ends of the lens-edge member.

2,362,726
MOUNTING MEANS FOR SPECTACLES
David Slotsky, Cleveland, Ohio
Application May 31, 1941, Serial No. 395,903
8 Claims. (Cl. 88—47)



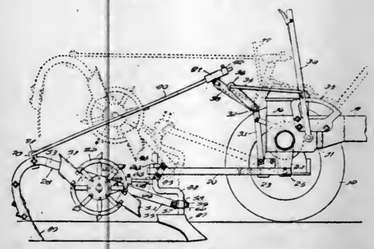
1. A mounting for a lens having a fastening hole near the edge thereof comprising, in combination, strap means for engaging one side of the lens, post means secured to the strap means and arranged to extend through the fastening hole of the lens, said post means having a round shoulder portion adjacent the strap means and a male threaded portion of less diameter than the shoulder portion extending therebeyond, said shoulder portion fitting closely in the fastening hole and extending thereinto for a distance less than the width of the lens with the male threaded portion continuing on through the fastening hole, a soft metal sleeve capable of flowing under compression positioned around the male threaded portion and fitting into the fastening hole with one of its ends abutting against the shoulder portion, and female threaded means engaging the male threaded portion for holding the lens on the post means and against the strap means, said female threaded means abutting against the other end of the soft metal sleeve and compressing same thereunder against the lens and against the shoulder portion in the fastening hole around the male threaded portion to make a good firm connection between the post means and the lens, said other end of the soft metal sleeve being flared outwardly around the marginal edge of the fastening hole and under the female threaded means.

2,362,727
MECHANICAL PENCIL
Blanchard D. Smith, Atlanta, Ga., assignor to Scripto Manufacturing Company, Atlanta, Ga., a corporation of Georgia
Application March 23, 1943, Serial No. 480,222
6 Claims. (Cl. 120—18)



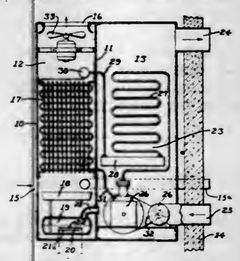
1. A mechanical pencil comprising, in combination: an interiorly threaded barrel; a slotted tube rotatable therein; means to cause relative rotation between the tube and barrel; a lead clutch slidable in said tube having a guide projection slidable in the slot of said tube to normally prevent rotation of the clutch relative thereto; said clutch having an axial slit circumferentially displaced from said projection; a lead expelling member slidable in said clutch having a projection carrying thread sections in engagement with the interior threads of said barrel and a projection also slidable in said slot normally in axial alignment with said clutch projection; and means whereby when sliding movement of the clutch is stopped by engagement with the end of the barrel, the member is moved into the slit of the clutch to move therein to expel the lead from the clutch.

2,362,728
AGRICULTURAL IMPLEMENT
Hiram P. Smith, Canton, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application May 18, 1942, Serial No. 443,351
1 Claim. (Cl. 97—55)



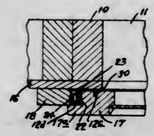
In a self-contained damming unit, a round vertical standard serving as means for attaching the unit to a tool-supporting structure, a furrowing tool connected to the standard, a damming tool adapted to follow in the furrow formed by the furrowing tool, and swivel socket means adapted to fit about the round standard for connecting the damming tool to the standard for limited lateral movement.

2,362,729
REFRIGERATING APPARATUS
Nelson J. Smith, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application January 4, 1934, Serial No. 705,187
8 Claims. (Cl. 62—129)



1. An air conditioning apparatus for an enclosure, an evaporator exposed to the air within said enclosure, a refrigerant liquefying unit in said enclosure insulated from said air and connected to said evaporator, means for creating a current of air past said refrigerant liquefying unit and discharging the current outside said enclosure, drain means for moisture extracted from the air within said enclosure by said evaporator, and means for conveying moisture from said drain means to the exterior of said enclosure and evaporating said moisture in said exterior, and including a wick-like member exposed to the atmosphere outside of said enclosure, means for distributing said moisture on said wick.

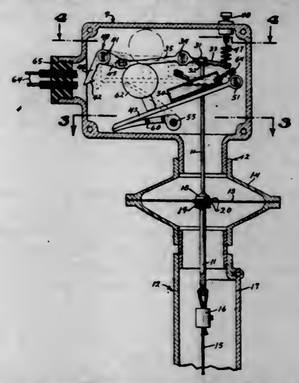
2,362,730
WINDOW CONSTRUCTION OF AWNING TYPE
Arthur H. Soule, San Francisco, Calif., assignor to Dalmo Victor Co., San Francisco, Calif., a copartnership
Application May 5, 1942, Serial No. 441,760
1 Claim. (Cl. 20—42)



A window construction comprising a pair of guide rails to be secured vertically to the exterior surface of a building at the opposite sides of a window opening, each guide rail being of angle cross-section and adapted to be mounted on the surface of the building with one toe thereof abutting said surface and projecting toward the window opening but arranged short thereof, the other toe projecting outwardly at right angles to said surface, a sash of a width greater than the width of the window opening, the side rails of said sash being rabbeted and the dimension of the sash between the rabbeted edges being slightly less than the transverse dimension between said outwardly projecting toes of the guide rails to fit between said toes with its inner surface to abut against the flat surface of the other toes of said guide rails, each toe of each guide rail which abuts against said wall surface being outturned at its edge adjacent the window opening to form a weathering tongue, the inner surface of each side rail of the sash being grooved to accommodate said weathering tongue, an exterior longitudinal tongue formed by said rabbeting along said side of the sash at the exterior face thereof to overlie and abut against the extremities of the projecting toes of the guide rails, the distance between the inner face of said tongues and the inner surface of the sash being the same as the dimension of the outwardly projecting toes of said guide rails, a pivotal and sliding connection between each guide rail and the upper end of the sash, and a pivotal link at each side of the sash pivotally connected at one end to the sash at a point intermediate the upper and lower ends thereof and at the other end to the projecting toe of the adjacent guide rail.

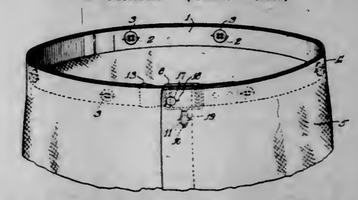
2,362,731
FLUID CONTROL APPARATUS
Paul H. Stanley, Sacramento, Calif., assignor to Earl H. Markwart, doing business as Yuba Tank & Steel Co., Sacramento, Calif.
Application May 4, 1943, Serial No. 485,600
9 Claims. (Cl. 200—84)

1. Control means responsive to the height of the surface of a liquid, comprising a member adapted to float on the liquid, a mercury switch, a pivotally mounted support for the mercury switch to tilt it, latch means to hold the support and thereby the switch in raised position, and means tending to unlatch the latch means, the



member in lower position opposing and making the unlatching means inoperative and in raised position permitting the unlatching means to operate, said switch being unresponsive to movement of said float and unlatching means when said switch is in unlatched position.

2,362,732
BODY BELT
Frances Tarbox, New York, N. Y.
Application October 10, 1942, Serial No. 461,607
1 Claim. (Cl. 2—321)

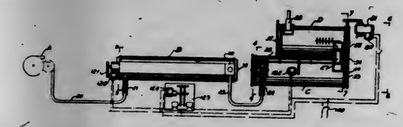


An invisible body belt for supporting trousers provided with means for engaging the suspender buttons secured upon the inner side of the waistband of the trousers, a rectangular buckle having vertical slots on each side, one end of the belt adapted to be passed through one slot and detachably secured to the inner side of the belt, the other end of the belt provided with an adjustable clasp having a tongue adapted to be passed through the other slot and engage the buckle, said buckle having a depending integral loop adapted to be engaged over a button sewed upon the inner side of the trousers fly.

2,362,733
APPARATUS FOR TREATING MILK
Albert R. Thompson, Los Gatos, and Joseph Bucher, Modesto, Calif., assignors to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Original application March 18, 1940, Serial No. 324,452. Divided and this application April 1, 1941, Serial No. 386,258
9 Claims. (Cl. 99—359)

1. In an apparatus for processing canned goods, a pair of treating chambers, a driven con-

veyor in each of said chambers for advancing a continuous procession of cans therethrough, means for transferring cans from the first of said chambers to the second, independent drive means for said conveyors, and control means for periodically interrupting operation of each of said drive means to stop the respective conveyors,



said control means being operable to interrupt operation of the drive for the conveyor in the first chamber in advance of the interruption of the operation of the drive of the other conveyor whereby the cans in said transfer means are delivered to the second chamber before its conveyor is stopped.

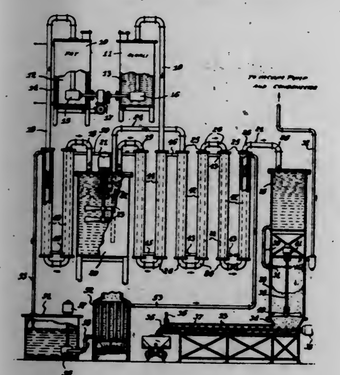
2,362,734

METHOD FOR TREATING FATTY MATERIAL

Robert W. Ward, Ridgewood, N. J., assignor to National Oil Products Company, Harrison, N. J., a corporation of New Jersey

Application May 29, 1942, Serial No. 444,957

2 Claims. (Cl. 252—369)



1. A process for the continuous manufacture of soap comprising moving a fatty material and a saponifying agent in predetermined quantities from separate sources of supply, mixing said fatty material and saponifying agent, moving said mix through a reaction conduit, holding chamber and into a reduced pressure chamber in the aforesaid sequence and supplying heat to said reaction conduit by moving thereover a heat transfer medium comprising approximately 40% $NaNO_2$, 7% $NaNO_3$ and 53% KNO_3 and maintaining said heat transfer medium at a temperature above 290° F. and below 1000° F.

2,362,735

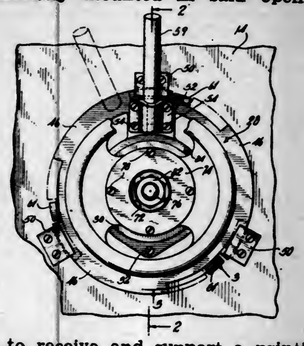
ROTARY PRINTING PRESS

Adolph Weiss, Brooklyn, N Y., assignor, by mesne assignments, to Champlain Company, Inc., New York, N. Y., a corporation of New York

Application December 31, 1941, Serial No. 425,035

9 Claims. (Cl 101—153)

1. A rotary printing press comprising a side frame having an opening therein, a bearing housing removably mounted in said opening and



adapted to receive and support a printing cylinder shaft, and means carried by said housing for axially moving said printing cylinder shaft.

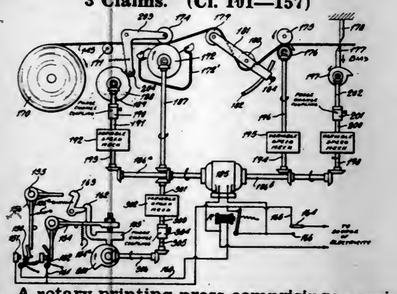
2,362,736

ROTARY INTAGLIO PRINTING PRESS

Adolph Weiss, Brooklyn, N. Y., assignor, by mesne assignments, to Champlain Company, Inc., New York, N. Y., a corporation of New York

Original application October 25, 1939, Serial No. 301,114. Divided and this application May 7, 1943, Serial No. 485,994

3 Claims. (Cl. 101—157)



1. A rotary printing press comprising: a printing cylinder having a peripheral zone free of engravings, a sealed fountain housing sealed to said cylinder, means to start the press, and means to stop the press with said zone of the cylinder in a position outside of said fountain housing whereby the remaining zones of the cylinder are within the sealed fountain housing.

2,362,737

BREAD SLICING DEVICE

Edward L. Wood, Detroit, Mich.

Application February 8, 1943, Serial No. 475,079

4 Claims. (Cl. 146—150)



1. In a bread-slicing device, a base having a notch in one edge thereof, an upright element

provided with a plurality of slots disposed in said base notch, a strip secured to the edge of said base against said element for anchoring the element in said notch, and a plurality of pins extending upwardly from the surface of said base between the slots in said upright element for securing the loaf of bread in position.

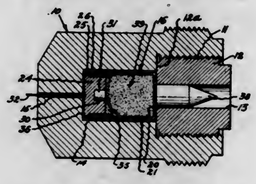
2,362,738

CARTRIDGE

Arthur L. Yarbrough, Fullerton, Calif., assignor to Vera E. Yarbrough, Fullerton, Calif.

Application February 10, 1941, Serial No 378,255

13 Claims. (Cl. 164—0.5)



1. A gun cartridge for guns having a gun bore and a powder chamber of larger diameter than the gun bore, comprising: a single piece cup-shaped shell having a closed end covering the gun bore and a skirt portion extending substantially the length of the powder chamber, and restrained thereby against endwise displacement; and an explosive resistant cap for the open end of said shell to form therewith a compartment for an explosive, the skirt of said shell having at least a longitudinally extending portion of its periphery spaced from the walls of said chamber, said portion being incapable of withstanding the explosive pressure generated in said shell and adapted to rupture longitudinally within the area defined by said portion and the opposing chamber walls upon expansion of said shell into contact with said chamber walls under urge of said explosive.

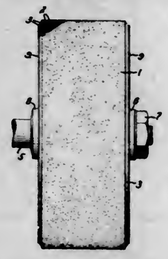
2,362,739

ABRASIVE TOOL

George W. Allred, Mayodan, N. C.

Application July 10, 1944, Serial No. 544,201

3 Claims. (Cl. 51—190)



1. An abrasive wheel comprising a spirally wound strip of flexible abrasive sheet material having abrasive grains on the outer surface thereof, a strip of non-abrasive sheet material having one edge portion adhesively attached to an edge portion of the non-abrasive surface of the spirally wound strip of abrasive sheet material, said non-abrasive strip extending beyond the edge of said abrasive sheet material and each turn of the extending portion thereof being adhesively secured to each adjacent turn thereof.

2,362,740

METHOD OF FORMING CONTAINER COVERS

Robert Lowe Batchelor, Mamaroneck, N. Y.

Application August 20, 1940, Serial No. 353,343

3 Claims. (Cl. 18—56)



1. In the art of forming a lip cover for the pouring lip of a milk bottle, the steps of, stretching a thin sheet of a resilient synthetic plastic over the top of the bottle and against the top of the lip, said sheet having two sets of opposite sides, carrying the two opposite sides of one of said sets of opposite sides of the sheet downwardly with the edges below the bottom of the lip, stretching these two opposite sides around the lip and holding the corners of the sheet in an overlapping position, stretching the central portions of the other of said sets of opposite sides downwardly over the overlapped corners, and sealing said corners and central portions to retain the sheet in stretched condition.

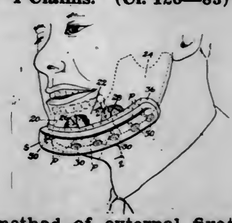
2,362,741

EXTERNAL FIXATION OF BONE FRACTURES

Joseph D. Berke, New York, N. Y.

Application February 18, 1944, Serial No. 522,869

4 Claims. (Cl. 128—83)



1. The method of external fixation of bone fractures which consists in inserting anchor pins into the bone fragments, and, after bringing the bone fragments into corrected relative position, encasing the outwardly protruding ends of the anchor pins in a shell mold containing a settable plastic material, and permitting said plastic material to set and harden.

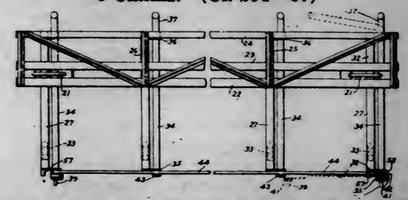
2,362,742

STOCK HANDLING GRAB

Jack Breslav, New Haven, Conn.

Application March 22, 1944, Serial No. 527,592

9 Claims. (Cl. 294—67)

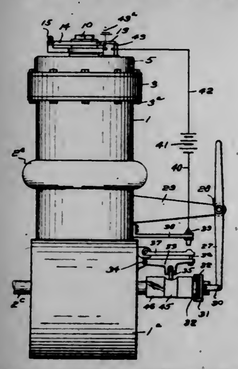


1. In a load handling grab having a load supporting base and an upstanding first arm, and a second arm spaced laterally from the first arm and being swingable from an upstanding position to a substantially horizontal position whereby the base and the second arm may be moved laterally in under, and closely adjacent to the bottom, of a load spaced upwardly from a support.

2,362,743
MANUFACTURE OF DINITROTOLUENE
Willard de C. Crater, Newark, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
Application February 10, 1943, Serial No. 475,373
7 Claims. (Cl. 260—645)

1. A process for the manufacture of dinitrotoluene without the use of sulfuric acid which comprises the nitration of toluene to mononitrotoluene by the use of nitric acid having a concentration from about 60% to about 75%, the mol ratio of toluene to the nitric acid being about 1 to about 3.5, and the temperature being maintained in the range of about 75° C. to about 80° C., and subsequently nitrating to the dinitrotoluene by the use of nitric acid having a concentration from about 90% to about 100%, the mol ratio of mononitrotoluene to the nitric acid being about 1 to about 3, and the temperature being maintained in the range of about 75° C. to about 80° C.

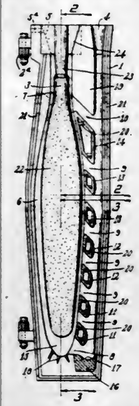
2,362,744
VALVE MECHANISM FOR HIGH-SPEED STEAM ENGINES
Henry E. Culbertson, McCook, Nebr.
Application August 22, 1942, Serial No. 455,809
4 Claims. (Cl. 121—148)



1. In a steam engine, a cylinder having a head, a piston in the cylinder, a steam chest connected at one end of the cylinder and the cylinder head having ports therein, rotary valves in the chest placed one upon the other and having ports therein for registering with the ports of the head when the valves are in open position, and means for quickly opening the valves when the piston reaches the end of its return stroke to permit a full head of steam to freely pass from the chest into the cylinder, a pre-admission port in the head, a valve controlling the same and a projection on the piston for opening the last-named valve as the piston nears the end of its return stroke.

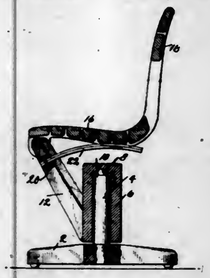
2,362,745
METHOD OF AND APPARATUS FOR MAKING AIRPLANE PROPELLER BLADES
Arthur C. Davidson, deceased, late of Collinsville, Conn., by Avis Cole Davidson, executrix, Collinsville, Conn.
Application October 30, 1941, Serial No. 417,168
7 Claims. (Cl. 22—126)

1. In a molding apparatus for casting separate hollow blades for airplane propellers, a permanent mold having a mold cavity for forming the exterior of the blade and of reducing cross sectional area toward the tail of the blade, a pouring aperture extending along said cavity, and a series of collapsible gates leading from said aperture to said cavity and spaced along the latter, and a single core in said cavity for



forming the hollow interior of the blade and also of reducing cross sectional area toward the tail of the blade, said cavity and core being vertically disposed and having their portions of minimum cross sectional area at the lower ends thereof.

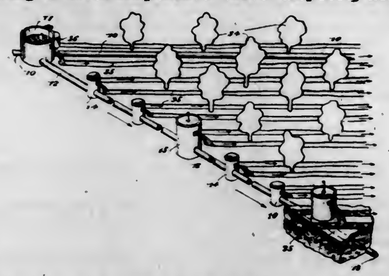
2,362,746
CHAIR
Nicholas A. De Vries, Flushing, N. Y.
Application June 9, 1942, Serial No. 446,337
3 Claims. (Cl. 155—55)



2. A swivel chair comprising in combination a base, struts mounted on said base for rotation through 360° about a vertical axis relatively to said base, a seat for the chair pivoted at its front edge to the outer ends of said struts, a cross connection between the outer ends of said struts, and a leaf spring secured at one end to said cross connection and extending beneath said seat rearwardly of the chair to beyond the vertical axis of said base.

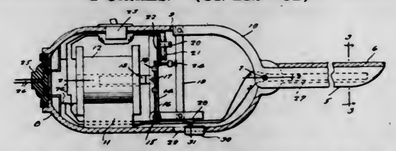
2,362,747
IRRIGATION SYSTEM
Alfred Duke, Colton, Calif.
Application October 30, 1942, Serial No. 463,983
7 Claims. (Cl. 61—12)

6. In an irrigation system, a pipe line connected at one end to a source of water supply, a plurality of groups of stands connected into said line in series, each group comprising a relatively large stand and several smaller stands to be controlled thereby, said smaller stands having water distribution outlets, and each of said large stands having a level-responsive valve disposed across



the line in advance of the inlet to the stand for regulating its intake from said line and thereby controlling the water head imposed upon its associated smaller stands.

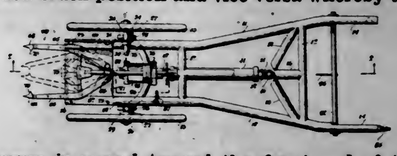
2,362,748
ELECTRIC WAVING IRON
Lelia Iles Francis, Dayton, Ohio
Application June 27, 1944, Serial No. 542,395
4 Claims. (Cl. 132—31)



1. An electric vibrating hair waving iron of the character described comprising, in combination, a vibrating leg and a stationary leg pivoted to each other in scissors-like fashion, a hollow elongated handle on the stationary leg having a longitudinal slot in the forward portion thereof, a shank-like shorter handle on the vibrating leg movable in the slot of the first-named handle, an electrical vibrator mounted in said first-named handle and including a solenoid having a core reciprocable longitudinally of the curling iron and retractable rearwardly of the latter, yieldable means for normally projecting the core of the solenoid forwardly of the curling iron, a bell crank lever pivoted in the first-named handle and having an arm extending transversely of the latter and pivotally connected intermediate its ends to the forward end of the solenoid core, said bell crank lever having a second arm extending forwardly at the side of the first-named handle opposite the handle of the vibrating leg, and a transverse connecting rod between the last-named arm of the bell crank lever and the handle of the vibrating leg.

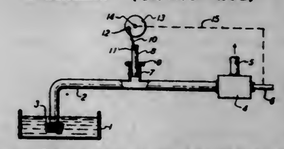
2,362,749
TRUCK FOR HANDLING PIG METAL
Carl Gall and Frank J. Prucha, Omaha, Nebr., assignors to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey
Application October 18, 1943, Serial No. 506,706
14 Claims. (Cl. 214—65.5)

1. A truck of the class described comprising a frame, wheel and axle means for supporting and transporting said frame, tongs mounted on the front end of said frame operable to grip a pig or cake of metal which is to be handled, means comprising handles for guiding and manipulating the truck, means for shifting said wheel and axle mechanism from empty-truck position to loaded-truck position and vice versa whereby the



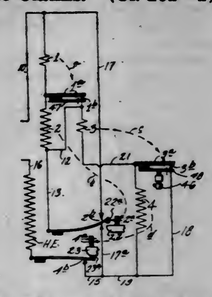
fulcrum is moved toward the front end of the truck frame when the tongs are loaded and rearward to an empty-truck position when the tongs release the load.

2,362,750
PUMPING APPARATUS
John T. Hayward, Tulsa, Okla.
Application June 26, 1942, Serial No. 448,603
6 Claims. (Cl. 103—204)



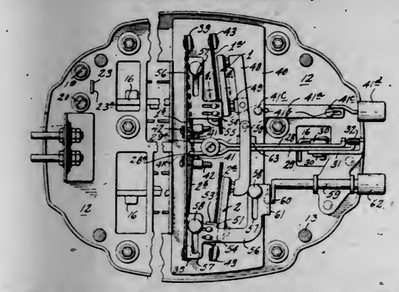
1. In pumping apparatus wherein a pump suction is provided with a suction valve and with a screen for straining extraneous matter from the fluid being pumped, the improvement for hindering clogging of the screen comprising, means associated with the suction valve of the pump to delay the normal operating period thereof whereby to produce reverse flow of said fluid through said screen.

2,362,751
TIMER FOR TOASTERS AND THE LIKE
Alfred J. Huck, St. Louis, Mo., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri
Application April 9, 1942, Serial No. 438,246
15 Claims. (Cl. 161—1)



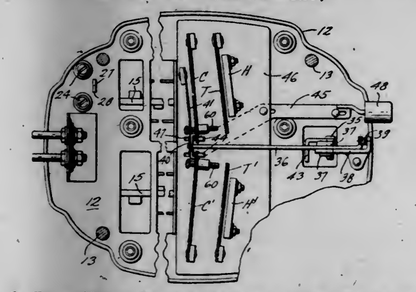
1. In a thermal timer for toasters and the like, a first timer having a heater adapted to be energized upon manual setting and electrical energization of the heating element of the toaster, a manually settable switch controlled thereby, a second timer having a heater adapted to be energized upon movement of said switch from manually set position to released position during the first part of the timing cycle, said switch in released position deenergizing said first timer, and means operable by said second timer after a second part of the timing cycle to deenergize the heating element of the toaster.

2,362,752
TIMER FOR TOASTERS AND THE LIKE
Alfred J. Huck, St. Louis, Mo., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri
Application November 12, 1942, Serial No. 465,361
14 Claims. (Cl. 161—1)



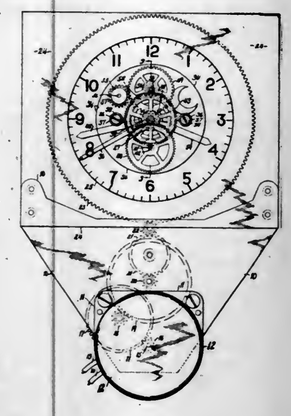
1. In a timer for electric appliances and the like, a first timer adapted to be energized upon energization of the appliance, a switch controlled thereby, a second timer adapted to be energized upon movement of said switch from one position to another position at the end of a first part of the timing cycle, said switch, in said another position, deenergizing said first timer, means operable by said second timer after a second part of the timing cycle to deenergize the appliance, said timers inherently overcompensating for rise in ambient temperature, reverse acting compensating means cooperating with said timers to prevent such overcompensation comprising temperature responsive elements tending to move upon rise of ambient temperature in a direction to oppose movement of said timers, stops to limit the movement of said temperature responsive elements in such direction whereby their tendency to move effects increase in pressure thereof against said stops and thereby an increase in their power of opposition relative to said timers.

2,362,753
TIMER FOR TOASTERS AND THE LIKE
Alfred J. Huck, St. Louis, Mo., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri
Application December 31, 1942, Serial No. 470,881
19 Claims. (Cl. 99—329)



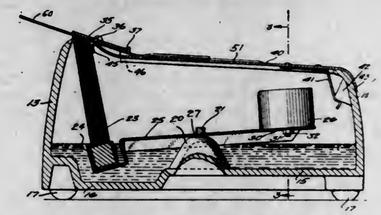
1. In a timer for toasters and the like, a pair of timer elements adapted to be alternately energized upon successive energizations of the heating element of the toaster, a timer switch adapted to effect control of circuits for said timer elements to thereby effect such alternate energization thereof, means to simultaneously energize said heating element and move the bread to a toasting position, said means operating said timer switch to its alternate positions as said means is successively operated, said timer elements inherently over-compensating for rise of ambient temperature, and reverse acting compensating means to prevent such overcompensation comprising temperature responsive elements tending to move upon rise of ambient temperature and cooperating with said timer elements to oppose their movement during operation.

2,362,754
DEVICE FOR PROJECTING MOVING TIME INDICATIONS
Manfred J. Johnson, New Haven, Conn., assignor to The United States Time Corporation, a corporation of Connecticut
Application January 4, 1944, Serial No. 516,988
7 Claims. (Cl. 58—2)



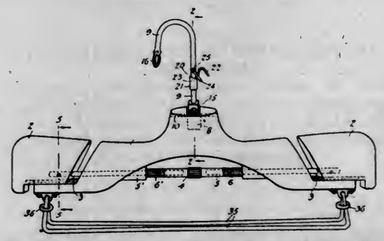
1. A device for projecting moving time-indications, including in combination: a stationary transparent dial-plate carrying a ring of time-indicia; a transparent wheel mounted adjacent and in substantial parallelism with the said dial-plate and turning substantially-concentrically with respect to the ring of time-indicia thereof; a synchronous electric motor positioned outwardly beyond the ring of time-indicia carried by the said dial-plate and operatively connected to a peripheral portion of the said wheel to turn the same; transparent gear-supporting means also mounted adjacent and in substantial parallelism with the said transparent dial-plate and extending within the ring of time-indicia carried thereby; a first time-indicator driven by the said wheel in position for movement within the boundary of the ring of time-indicia carried by the said transparent dial-plate and relatively-opaque as compared to the said dial-plate, wheel and gear-supporting means; a second time-indicator positioned for movement within the boundary of the ring of time-indicia carried by the said dial-plate and relatively-opaque as compared to the said dial-plate, wheel and gear-supporting means; and a gear-train operatively interconnecting the said first time-indicator and the said second time-indicator and located within the boundary of the ring of time-indicia carried by the said dial-plate, the said gear-train being relatively-opaque as compared to the said gear-supporting means, the said wheel and the said dial-plate.

2,362,755
GUMMED PAPER MOISTENER
Theodore H. Krueger, Stratford, Conn., assignor to Better Packages Incorporated, a corporation of New York
Application March 7, 1942, Serial No. 433,737
2 Claims. (Cl. 91—38)



2. A paper moistener comprising a tank, a pressure plate on said tank, a boss having a rounded top extending upwardly in said tank, and having a pin projecting from the top thereof, a brush supporting lever resting on said boss at an intermediate point in its length, and having a hole through which said pin loosely projects, a brush mounted on one end of said brush supporting lever and having its bristles projecting upwardly into engagement with the under side of said pressure plate, and a counterweight mounted on the other end of said brush supporting lever.

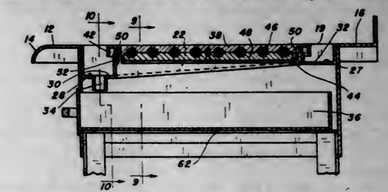
2,362,756
GARMENT HANGER
Harold E. Kuss, Lock Haven, Pa.
Application May 12, 1943, Serial No. 486,677
5 Claims. (Cl. 223—89)



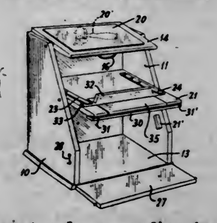
2. In a hanger for garments, the combination of movable shoulder portions, a turnbuckle connecting said portions for adjusting them, a moulded neck portion, a transverse pivot in said neck portion, the axis of said pivot being substantially parallel to the axis of the turnbuckle, a tiltable base mounted on said pivot, a thrust plate on said base, a swivelling hook having a collar engaging said thrust plate, so that the hook can turn in any direction, and a pivoted loop on the tip of said hook, whereby a garment on the shoulder and neck portions may remain vertical while the hook and tip loop are swung and turned in various directions.

2,362,757
GREASE DISPOSAL MEANS FOR COOKING SURFACES
Anthony L. Lang, Seattle, Wash.
Application December 28, 1940, Serial No. 372,089
2 Claims. (Cl. 99—422)

2. A cooking unit comprising: a supporting frame having an upright wall enclosing a mid-portion of the frame and surrounded by a channel adapted to collect fluids, a cooking plate having a plane surface cooking face, said plate supported over said upright wall and covering the mid-portion of the frame enclosed thereby, screw legs on said frame wall and supporting said cooking plate whereby the latter may move independently of the frame while maintaining a predetermined plane, heater means associated with the underside of the plate within the upright wall, a baffle flange depending from said plate between the heater and the upright wall of the frame, and a peripheral flange depending from the plate into the channel.

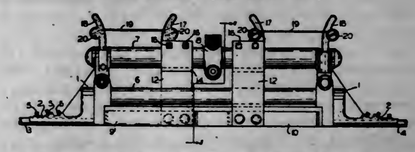


2,362,758
RECORDING APPARATUS
Kirkpatrick Marrow and Henry E. Dostalik, Elizabeth, N. J.
Application July 8, 1942, Serial No. 450,124
12 Claims. (Cl. 41—4)



1. An apparatus for recording impressions, including a case having a rotatable shelf closing one end of said case said shelf being operable between operating and closed positions, an inking slab on said shelf, a second rotatable shelf below said first shelf and intermediate the first shelf and the other end of said casing, said second shelf being operable between operating and closed positions, and having means for detachably fixing a record form on which an impression is to be made, said shelves when in closed position being interlocked and means for maintaining said shelves in interlocked position.

2,362,759
SECTION INSULATOR
Samuel S. Matthes, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application June 17, 1943, Serial No. 491,241
7 Claims. (Cl. 191—39)



1. A line section insulator comprising, in combination, a pair of end members, means associated with each end member whereby it may be

secured in a trolley system, insulating means holding the end members in spaced and insulated relation, an insulating guide member extending between the end members to guide a grooved current collector mounted on a vehicle by its groove, a pair of contacts positioned one on each side of the guide member and engageable by the flanges of the current collector, the contacts being of such length as to have overlapping inner ends adjacent the longitudinal center of the guide whereby a passing current collector will engage both contacts at the same time in passing from one contact to the other contact and the outer end of each contact being spaced from the adjacent end member and so positioned relative to the adjacent end member that the contact and the adjacent end member will both be simultaneously contacted by the current connector in passing from the end member onto the contact and vice versa, yielding means supporting the contacts from the insulating means, spaced arcing horns mounted on the device and attached to each end member and to the adjacent end of the contact member and extending above the said insulating means whereby an arc formed between the horns will be dissipated and forced upward and away from the insulating means and fusible means connecting the horns of each pair at points above the insulating means whereby each contact member will be electrically connected to its end member while the fuse is intact, the said fusible means arranged to fuse when the current drawn by the current collector in passing from one end member to the other end member exceeds that necessary for the normal operation and starting of the vehicle.

2,362,760
INSECTICIDAL COMPOSITIONS
Kenneth E. Maxwell, Martinez, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application January 12, 1943, Serial No. 472,141
13 Claims. (Cl. 167—42)

13. A method for increasing the deposition of suspended insecticidal toxicants from an aqueous carrier, comprising adding thereto a small amount of the malate of

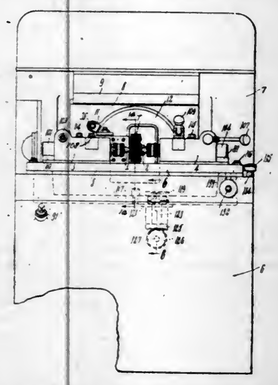
$$R—NH—CH_2—CH_2—NH—CH_2—CH_2—OH$$

wherein R represents a mixture of acyl radicals from palmitic and stearic acids.

2,362,761
WATER-SOLUBLE CELLULOSE ETHER COMPOSITION
Robert C. Medl, Jr., Marshallton, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 15, 1942, Serial No. 447,176
8 Claims. (Cl. 106—182)

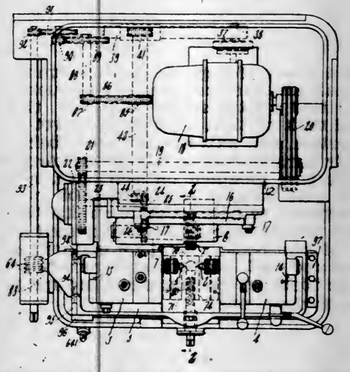
2. A coating composition comprising essentially a water-soluble cellulose ether and a complex ester condensation product of a polyhydric alcohol and an inorganic polybasic acid which is water-soluble and stable in water solution, the said ester condensation product being in a quantity between about 5% and about 100% by weight of the water-soluble ether and serving to improve the flexibility of the ether, said ether and condensation product being in solution in water and the ether being in a quantity between about 1% and about 20% by weight of the solution.

2,362,762
GEAR FINISHING MACHINE
Edward W. Miller, Springfield, Vt., assignor to The Fellows Gear Shaper Company, Springfield, Vt., a corporation of Vermont
Application April 8, 1939, Serial No. 266,854
34 Claims. (Cl. 90—1.6)



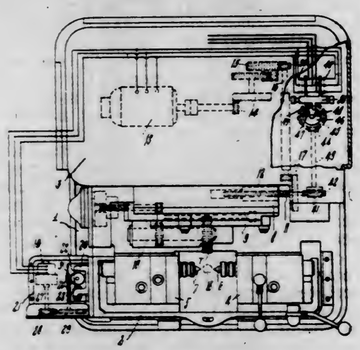
1. A gear finishing machine comprising a shaving tool, means for supporting said tool and a gear to be finished rotatably with their axes substantially parallel and with their teeth intermeshing, means for rotating one of said elements constituting the tool and work gear, means for reciprocating one of said elements axially, and means for imparting a secondary axial reciprocation to said reciprocating element.

2,362,763
GEAR FINISHING AND CROWNING MACHINE
Edward W. Miller, Springfield, Vt., assignor to The Fellows Gear Shaper Company, Springfield, Vt., a corporation of Vermont
Application March 18, 1941, Serial No. 383,931
11 Claims. (Cl. 90—1.6)



1. A gear finishing machine comprising a base, a table supported on said base, holding means on said table adapted to support a work gear or a toothed finishing tool rotatably, a carriage guided to move in a path parallel to the neutral position of the axis of rotation of such gear or tool, a spindle mounted rotatably on said carriage adapted to hold a toothed finishing tool, or a work gear, in position to mesh with the gear or tool, respectively, which is mounted rotatably on the before named holding means, a pivotal connection between the base and table, the axis of said pivotal connection being perpendicular to the plane established by the axis of said holding means and the meshing point of tool and work, and being located in a plane, perpendicular to said rotational axis, between the ends of the gear or tool supported by the said holding means, means for swinging the table about said pivotal connection to opposite sides of the neutral position thereof, comprising a gear segment secured to the table and a worm meshing with said segment, and correlated driving means supported by the base independently of the table for simultaneously reciprocating the carriage and turning the worm back and forth about its axis of rotation.

2,362,764
CAM OPERATED CROWNING ATTACHMENT FOR GEAR FINISHING MACHINES
Edward W. Miller, Springfield, Vt., assignor to The Fellows Gear Shaper Company, Springfield, Vt., a corporation of Vermont
Application October 10, 1941, Serial No. 414,465
11 Claims. (Cl. 90—1.6)



1. A machine for finishing gears with crowned teeth, which comprises a structure for supporting a work gear rotatably, a carriage constrained to move in a path at one side of and parallel to the axis of rotation of such gear, said carriage having means for mounting a finishing tool rotatably in position to mesh with a gear mounted on said supporting structure, a reversibly rotatable cam engaged with said supporting structure and operable to shift said structure so as to incline the axis of the work gear to the path of said carriage in the plane established by said axis and the meshing point of the tool with the work gear, and correlated means for moving said carriage back and forth in its prescribed path and reversing the rotation of said cam in timed relation with the reversals of the carriage.

2,362,765
SAFETY RAZOR
William L. Mills, Waco, Tex.
Application March 16, 1944, Serial No. 526,728
6 Claims. (Cl. 30—63)

1. A safety razor comprising a frame having a front plate and flanges extending rearwardly along the upper edge and opposite ends thereof, lips at opposite ends of said front plate overlapping the front face thereof, a blade disposed against the front face of said front plate with the ends fitting under said lips and its lower sharpened edge projecting from the front plate, arms having inner and outer leaves extending longitudinally of the end flanges with the end flanges between their leaves and lower portions of the arms projecting from the flanges, a roller rotatably mounted between the projecting ends of the arms, bolts passing through the end flanges and upper portions of the arms to pivotally mount the arms and hold their leaves in frictional gripping engagement with the end flanges with the roller extending along the sharpened edge of the blade in desired parallel spaced relation thereto, a handle extending from the upper flange midway the width thereof, a portion extending upwardly midway the width of the upper flange, and a blade fastener rotatably mounted about said post and having a turning head at its lower end projecting from the post in opposite directions and having under faces of its projecting portions formed with cam surfaces for extending forwardly and engaging across the upper edge of the blade to hold the blade firmly in place when the fastener is turned about the post to operative position.



2,362,766
LINER HANGER
Charles K. Morgan, Los Angeles, Calif., assignor to Lane-Wells Company, Los Angeles, Calif., a corporation of Delaware
Application December 22, 1941, Serial No. 423,946
8 Claims. (Cl. 166—1)



1. A liner hanger comprising: a body member having wedging faces and slots in said body member extending downwardly from said wedging faces; slips adapted to move along said wedg-

ing faces for engagement with a surrounding casing, and tongues on said slips extending through said slots to the interior of said body member; a coil spring lining the interior of said body member and operatively engageable with said tongues to urge said slips along said wedging faces; and a setting tool removably attachable to said body member and including a member operatively engageable with said tongues to restrain said slips in a retracted position against the tendency of said spring.

2,362,767

LUBRICANTS

John D. Morgan, South Orange, N. J., assignor to Cities Service Oil Company, New York, N. Y., a corporation of Pennsylvania

No Drawing. Application June 3, 1942, Serial No. 445,643
5 Claims. (Cl. 252—36)

3. A lubricating grease comprising about 6% of a lithium soap, about 1% of an aluminum soap, the remainder of the grease consisting essentially of dibutyl phthalate.

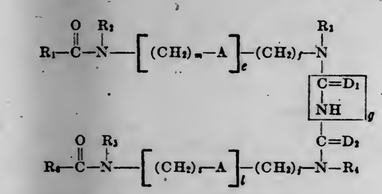
2,362,768

MOTH REPELLING PRODUCT

Willard L. Morgan, Columbus, Ohio, and Earle Davis McLeod, Rumford, R. I., assignors to Arnold, Hoffman & Co., Incorporated, a corporation of Rhode Island

No Drawing. Original application August 3, 1940, Serial No. 351,200. Divided and this application November 26, 1942, Serial No. 467,062
13 Claims. (Cl. 8—136.5)

1. A textile moth proofed by impregnation with a substituted carbamyl compound of the following formula:



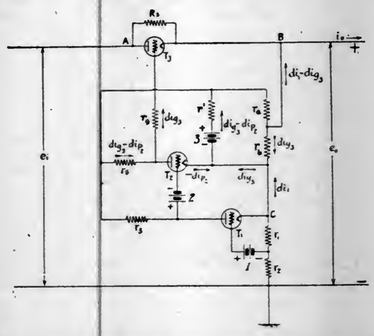
wherein R_1 and R_6 represent a hydrocarbon radical of at least six carbons and selected from the group consisting of a saturated alkyl group, an unsaturated alkyl group, a cycloalkyl group, an aryl group, and a terpene acid residue, and in which R_2, R_3, R_4 and R_5 represent a material selected from the group consisting of hydrogen, a simple alkyl of less than five carbons, and an alkylol of less than five carbons, and in which R_3 and R_4 may further represent a second acid polyamide chain, and in which general formula the carbamyl groups D_1 and D_2 represent a material selected from the group consisting of oxygen, sulfur, and imido groups, the number of such groups being as g ranges from 0 to 3; while in the side chains the letter A represents a material selected from the group consisting of amino —(NH)—, a simple alkyl substituted amino of less than five carbons, an alkylol substituted amino of less than five carbons, oxygen, and sulfur; and the integers f and j vary from 1 to 6, while e and l vary from 0 to 6, and m and t vary from 1 to 6, and in which general formula sulfur (S) is present in at least one of the groups represented by the letters D_1, D_2, and A.

2,362,769

ELECTRONIC VOLTAGE STABILIZER

Lyman G. Parratt, Washington, D. C., and John W. Trischka, Ithaca, N. Y., assignors to Cornell Research Foundation, Inc., Ithaca, N. Y., a corporation of New York

Application February 2, 1942, Serial No. 429,212
2 Claims. (Cl. 171—312)



1. In an electronic voltage stabilizer, the combination of a power circuit to be regulated having a load resistance R_L, an electronic control tube in series with said power circuit having a cathode with a cathode-plate variational resistance r_{p3} and a regulating grid with a cathode-grid variational resistance r_{g3}, said grid being maintained positive, the control tube having an amplification factor μ_3, a shunt resistor R_s around said control tube, a multistage amplifier circuit having an even number of stages wherein the gains of successive stages of amplification are represented by n_1 and n_2, a power supply for said amplifier circuit, a resistance r_1 whose potential drop is applied to the input of the amplifier, a second resistance r_2 in series with the first mentioned resistance, a third resistance r_b carrying grid current of the control tube to exaggerate the degenerative action, the last three mentioned resistances being connected between the side of the load where the control tube is located and the opposite side of the load in the order r_b, r_1 and r_2, whereby the stabilization ratio S of change of input voltage to change of output voltage may pass from positive to negative, the relative relationship of the foregoing factors being

$$S=1+\frac{R_s}{R_s+r_{p_3}}\left[\frac{r_{p_3}}{R_L}+\frac{an_1n_2\mu_3}{1-an_1n_2r_b/r_{g_3}}\right]$$

where

$$a=\frac{r_1}{r_1+r_2+r_b}$$

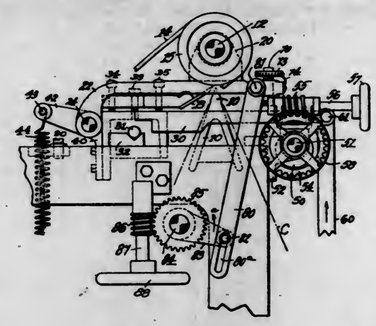
2,362,770

CUTTING MECHANISM FOR WOOLEN SHEARS

Leland F. Remington, Worcester, Mass., assignor to Curtis & Marble Machine Company, Worcester, Mass., a corporation of Massachusetts

Application January 17, 1942, Serial No. 427,127
6 Claims. (Cl. 26—15)

1. In a cloth shear, a fixed frame, a cloth rest fixed in said frame, a lower cutter support pivoted on said fixed frame, a non-rotated blade mounted on said support and operatively positioned thereby adjacent said cloth rest, a revolving cutter coacting with said blade, and bearing arms on which said revolving cutter is mounted, said bearing arms being pivoted on said lower



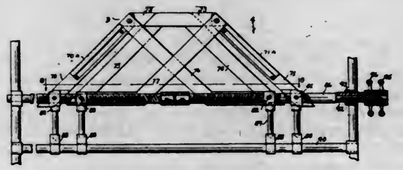
cutter support at points rearward of the pivot of said support on said fixed frame.

2,362,771

DOUBLING MACHINE

Leland F. Remington and Charles H. Coolidge, Worcester, Mass., assignors to Curtis & Marble Machine Company, Worcester, Mass., a corporation of Massachusetts

Application August 17, 1943, Serial No. 499,012
11 Claims. (Cl. 270—94)



1. In a doubling machine, a double-folding device comprising two pairs of laterally spaced and oppositely inclined folding bars, and a transverse folding member extending between the outer inclined bars at their more closely adjacent ends, and said inner inclined folding bars being disposed in separate but parallel planes.

2,362,772

POWDER METALLURGICAL METHODS

Ivar Rennerfelt, Djursholm, Sweden

No Drawing. Application January 2, 1942, Serial No. 425,453. In Sweden September 25, 1940
4 Claims. (Cl. 75—28)

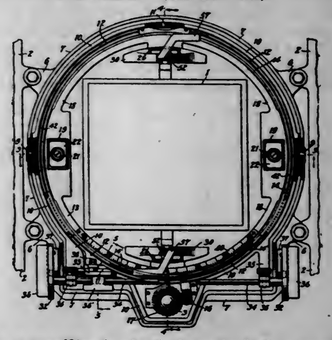
1. The method of producing fine ferrous metal powder capable of producing articles having the high physical properties of steel when subjected to powder metallurgical steps of compression and heating, which includes the steps of preparing in subdivided form a high carbon content ferrous metal material, decarburizing the subdivided material to produce a low carbon content soft ferrous material, mechanically disintegrating the soft material to produce fine powder of the size suitable for subsequent powder metallurgical operations and thereafter carburizing the powder by subjecting the same to the action of a carburizing gaseous atmosphere at high temperature but below that which would fuse the powder.

2,362,773

AERIAL CAMERA MOUNT

Cecil S. Robinson, Ithaca, N. Y., assignor of one-half to Dorothy H. Robinson, Ithaca, N. Y.

Application March 23, 1942, Serial No. 435,801
5 Claims. (Cl. 33—64)



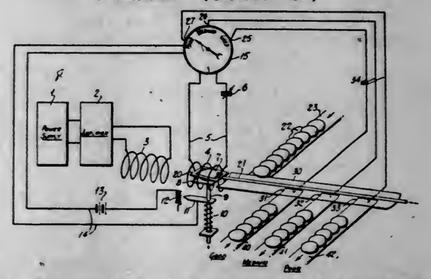
5. In a resilient pivot for gimbal mounts, the combination of a gimbal having a pivot support, a main resilient cushion on said support mounted to act as a gimbal pivot, a second gimbal having a supporting face carried on said main cushion, a supplementary resilient cushion, said supporting face being located between the main cushion and the supplementary cushion, and an adjustable pressure plate on said supplementary cushion.

2,362,774

EGG SORTING METHOD AND MECHANISM

Alexis L. Romanoff, Ithaca, N. Y., assignor to Cornell Research Foundation, Inc., Ithaca, N. Y., a corporation of New York

Application July 9, 1943, Serial No. 494,065
3 Claims. (Cl. 209—81)



1. The method of sorting eggs in accordance with their probable future rate of deterioration under storage conditions which consists in weighing each egg and placing the egg in an alternating electromagnetic field of radio frequency, registering the induced reaction per unit of weight on the energizing radio frequency system, and sorting the eggs according to said reaction while still in a fresh condition prior to storage, on the prediction that those of lesser reaction will deteriorate more slowly in storage.

2,362,775

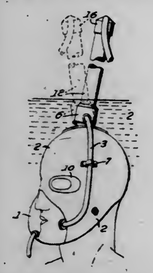
LIFESAVING HEADGEAR

Dickran Sebouh, New York, N. Y.

Application June 23, 1942, Serial No. 448,129
2 Claims. (Cl. 128—145)

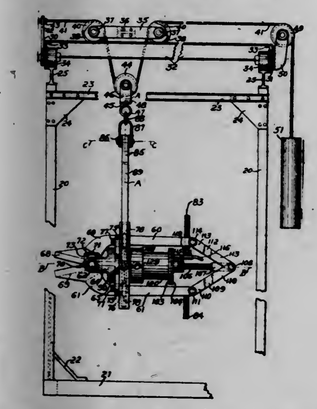
1. A life saving device to prevent drowning comprising a watertight mask, means for firmly

securing said mask over the face of the wearer, a flexible fitting arranged to be positioned on the head of said wearer, a tube having its one end secured in said fitting and projecting upwardly therefrom above the level of the water in which said wearer is afloat, means at the free end of said tube for preventing free entry of water into the same without interfering with the admission of air to the interior of said tube, air connections establishing communication between said tube and said mask, a partition extending lengthwise



of said tube and dividing the interior thereof into two channels whereby a convection current is developed in said tube for supplying breathing air to the interior of said mask and for removing exhalation products therefrom to enable the wearer to breathe normally in water while completely submerged therein up to any depth not greater than that which enables the means at the free end of said tube to remain above the surface of said water, and a hand pump connected with said mask and operating at will to drain out incidental water accumulated therein.

2,362,776
SWINGING SHEARS
Fred M. Spayd, Van Wert, Ohio
Application July 10, 1941, Serial No. 401,811
4 Claims. (Cl. 30—228)



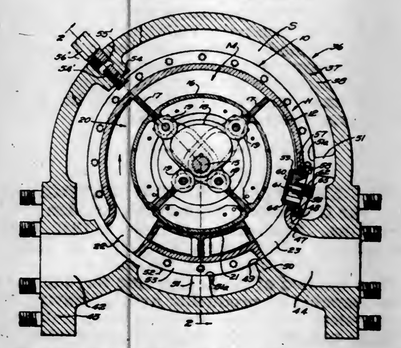
4. A shearing device including movable blade carrying levers mounted on a pin for shearing action; a rotatable support for said pin; power means secured to said support; a linkage connected to each lever and to said power means to actuate said levers; control means for the power means; and means carried by one of said levers to operate the control means.

2,362,777
HYDROSTATIC PUMP
Wayne Sprecher and Cecil Ware, Houston, Tex.
Application October 12, 1943, Serial No. 505,971
4 Claims. (Cl. 103—46)



1. In pumping equipment a pumping cylinder, a pumping plunger reciprocable therein, a well tubing, a cylinder associated with the tubing and having a piston therein, a piston rod connecting the piston and plunger, a seal around said rod, a chamber for containing a compressible fluid with a duct leading therefrom into the upper end of the pumping cylinder.

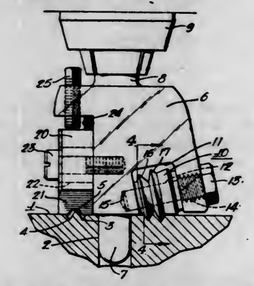
2,362,778
HIGH-PRESSURE METER
William E. Steen, Pasadena, Calif., assignor to Smith Meter Company, Los Angeles, Calif., a corporation of California
Original application August 1, 1940, Serial No. 349,367. Divided and this application July 21, 1942, Serial No. 451,707
1 Claim. (Cl. 73—259)



In a fluid flow mechanism, a housing comprising an inner wall and an outer wall, each wall being provided with an inlet and an outlet, said walls being spaced apart to provide a fluid receiving space therebetween, a rotor supported for rotation within the inner wall, said rotor having angularly spaced blades adapted to shuttle radially to and from positions of projection across a flow channel defined within said inner wall, the inlet and outlet of the inner wall opening to said flow channel, the inlets of both walls opening to said space, the outlets of the two walls

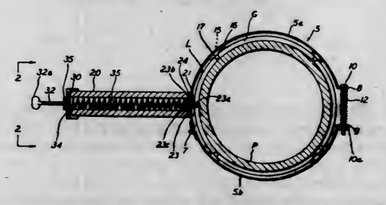
being in direct connection so fluid in said flow channel is normally adapted to flow directly out through both outlets, and a normally closed valve in the inner wall and spaced angularly from the inner wall outlet a distance less than the angularly measured distance between the inner wall outlet and the next adjacent fully projected blade, spring means normally and yieldingly holding the valve closed, said valve being adapted to open automatically to permit passage of fluid from said space into the flow channel and thence to the outlet of the outer wall when a predetermined pressure differential exists at opposite sides of the valve.

2,362,779
TOOL
George Stevens, Baltimore, Md.
Application November 16, 1943, Serial No. 510,529
5 Claims. (Cl. 80—3)



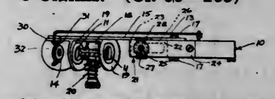
3. A tool for providing an annular recess and rib formation on a work piece, comprising a body, a pilot element on said body adapted to be inserted in an opening in said piece, whereby the tool may be rotated about an axis, a roller rotatably carried by said body and having its axis disposed at an oblique angle to the axis of rotation of the tool, said roller being constructed and arranged to engage the work piece and form an annular recess and rib structure thereon as the tool is rotated, and a cutting member carried by said body and arranged to remove any excess material raised on the work piece by said roller.

2,362,780
ADJUSTABLE RING GROOVE CARBON REMOVING TOOL
Carl A. Stine, Van Nuys, Calif., assignor to Turco Products, Inc., Los Angeles, Calif., a corporation of California
Application December 28, 1942, Serial No. 470,388
2 Claims. (Cl. 15—104.01)



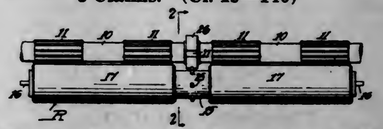
2. A device for removing carbon from a ring groove in a piston comprising a frame formed to encircle the piston, said frame consisting of two curved segments hingedly connected together at one end, an adjusting bolt extending between the other ends of the segments, a coil spring disposed around the bolt and resiliently spacing the last-named ends of the segments apart, radially inwardly disposed guide projections carried by the frame for guiding movement along the groove, each of the guide projections having a portion slidably engageable against the outer surface of the lands of the piston, and a cutter element resiliently carried by the frame and projecting radially inwardly therefrom to cuttingly engage carbon deposited in the groove upon rotation of the frame relative to the piston.

2,362,781
STOP MOTION DEVICE FOR KNITTING MACHINES
Nathan J. Tellerman, Brooklyn, N. Y., assignor to Stop-Motion Devices Corp., Brooklyn, N. Y., a corporation of New York
Application April 1, 1944, Serial No. 529,148
8 Claims. (Cl. 66—163)



1. In combination with a stop motion switch device and guides for the passage of the thread or yarn, a restricting means for said thread or yarn for sweeping the thread or yarn and probably causing the thread or yarn to break at the point of restriction if a knot or lump comes along, comprising a member having a relatively large passage for the thread or yarn to pass through, and a restriction part for location along said member and having a wedge-like passage for location close to the side of said thread or yarn to sweep loose slub and lumps off the thread or yarn and to catch, stop or hold knots and tight lumps for causing the thread or yarn to probably break at the restriction part.

2,362,782
CLEARER FOR ROVING OR SPINNING FRAMES
James L. Truslow, Whitinsville, and Henry L. Thomas, East Douglas, Mass., assignors to Whitin Machine Works, Whitinsville, Mass., a corporation of Massachusetts
Application April 2, 1942, Serial No. 437,384
5 Claims. (Cl. 19—140)

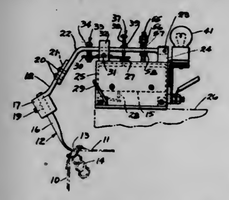


2. In a roving or spinning frame, a driven drawing roll, a clearer roll associated therewith, a notched band on said drawing roll, a plurality of circumferentially spaced pins on said clearer roll positioned to be engaged and intermittently and alternately held and advanced by said notched band.

2,362,783
PRESS-OFF AND LUMP DETECTOR FOR KNITTING MACHINES
Edward Vossen, Brooklyn, N. Y., assignor to Stop-Motion Devices Corp., Brooklyn, N. Y., a corporation of New York
Application April 1, 1944, Serial No. 529,143
17 Claims. (Cl. 66—166)

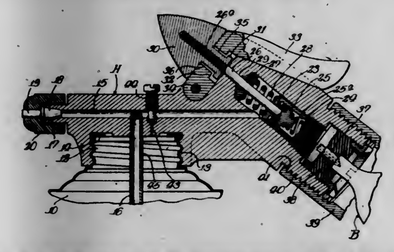
1. A press-off and lump detector for each of the thread feeds with the guide holes of a rib

knitting machine having cylinder and dial needles, comprising a floating or movable detector finger for riding on the top edge of the material being knitted at the point where the cylinder and



dial needles are fully retracted, an electric switch for the electric circuit of the controller of the knitting machine, and means for operating said switch when the motion of said floating finger exceeds a pre-selected amount.

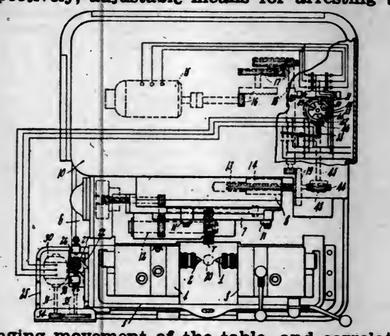
2,362,784
INSECTICIDE SPRAY HEAD VALVE
Lawrence T. Ward, Philadelphia, Pa., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri
Application November 10, 1941, Serial No. 418,474
4 Claims. (Cl. 251—134)



1. A dispensing valve comprising a head having a passageway, a valve communicating with said passageway, said valve including a valve seat, a valve plug and a stem connected with said valve plug, a lock nut on said stem, an operating lever pivoted to said head and engageable with said lock nut to open said valve, said lock nut being adjustable to a position positively locking said valve closed independent of said operating lever.

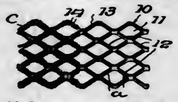
2,362,785
CROWNING ATTACHMENT FOR GEAR FINISHING MACHINES
Bernard L. Ward and Donald G. Weatherup, Springfield, Vt., assignors to The Fellows Gear Shaper Company, Springfield, Vt., a corporation of Vermont
Application July 1, 1941, Serial No. 400,628
22 Claims. (Cl. 90—1.6)

1. A gear finishing machine comprising a supporting structure, a carriage guided to travel in a fixed path on said supporting structure, a table, means on said table adapted to support rotatably a gear to be finished or a gear-like finishing tool, the table being pivotally mounted to swing in a manner to place the axis of said supporting means and said path in parallelism and at opposite relative inclinations, a reversible motor in driving connection with said carriage to reciprocate it in said path, a reversible crowning motor in driving engagement with said table for swinging the latter about its pivot in relatively opposite directions when rotated in opposite directions respectively, adjustable means for arresting the



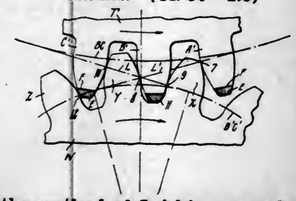
swinging movement of the table, and correlated timing means organized to reverse the direction of running of both motors.

2,362,786
CAMOUFLAGE MATERIAL
Carl E. Williams, West Middlesex, Pa.
Application October 11, 1941, Serial No. 414,684
6 Claims. (Cl. 117—99)



1. As a new article of manufacture, a camouflage material comprising a sheet of foraminous material adapted to be deformed into and out of different shapes and self-sustaining to retain said shapes, flock on all exposed surfaces of the sheet material and attached thereto by an adhesive coating and having portions thereof projecting beyond the coating to an extent less than the area of the openings in the sheet so that the openings in the sheet will not be entirely closed by the flock, all for the purposes described.

2,362,787
METHOD OF FINISHING GEARS
James L. Williamson, Springfield, Vt., assignor to The Fellows Gear Shaper Company, Springfield, Vt., a corporation of Vermont
Application March 31, 1942, Serial No. 436,940
7 Claims. (Cl. 90—1.6)



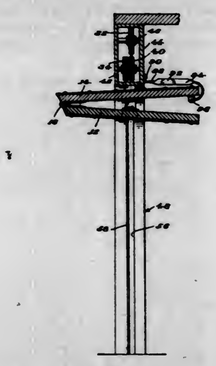
1. In the method of finishing gears by running the work gear in mesh with a gear-like finishing tool where one of the gear elements consisting of the tool and gear is rotated by power and drives the other element by the action of their respective intermeshing teeth, the new step which comprises employing a tool having addendum extensions on its teeth which engage the work gear simultaneously both at points lying on the lines of action and at points on the work gear within the base circle of the tooth face curves of the gear.

2,362,788
RECORD KEEPING APPARATUS
Albert C. Whitmer, Columbus, Ohio
Application August 7, 1943, Serial No. 497,775
6 Claims. (Cl. 282—7)



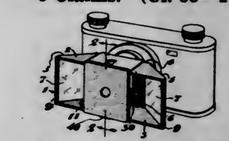
1. A record keeping appliance comprising a support, spaced superposed plate means provided on said support, the space between the plates forming a pocket for the reception of a ledger card, the uppermost plate having an opening through which impressions may be transferred to a ledger card positioned in said pocket, carbon paper receiving means on said support at one side of said plate means, carbon paper from said receiver being extended over said plate means during use of said appliance, shaft means journaled on said support, sheet contacting means carried by said shaft, rotation of said shaft in one direction serving to move said sheet contacting means into engagement with a sheet positioned on said plate means, a finger projecting from said shaft, and means for moving said carbon paper over said plate means, said means having a pair of rolls, and ratchet means engaged by said finger to impart movement to said rolls.

2,362,789
DOOR
Ora J. Workman, Anaconda, Mont.
Application September 7, 1943, Serial No. 501,465
10 Claims. (Cl. 160—190)



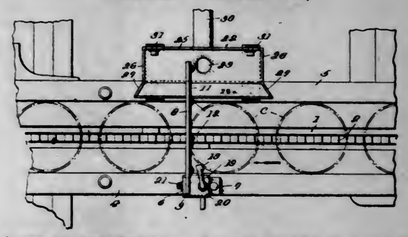
1. A closure comprising two vertical guide means spaced to provide a door opening, a door comprising two sections arranged one above the other in the closed position of the door and hingedly connected together along their adjacent margins, a horizontal shaft means carried by each section intermediate its upper and lower limits, pulleys on the respective shaft means, guides loosely mounted on said shaft means and guidingly engaging the respective guide means, door counterbalancing means having lines passing around said pulleys, and means connected with the top margin of the upper door section to restrain the door sections from downward movement when the two sections are folded back upon each other.

2,362,790
DEVICE FOR TAKING STEREOSCOPIC PICTURES
Charles D. Austin, Cincinnati, Ohio
Application May 11, 1942, Serial No. 442,419
5 Claims. (Cl. 88—1)



1. In a device of the class described having a wall member containing an aperture and pairs of reflectors mounted therein for directing light through the aperture to cause the formation of images in stereoscopic relationship upon the film of a camera before the lens of which the device is mounted, means for attaching said device onto the lens barrel of the camera, means in said wall member containing said aperture delineating a recess surrounding said aperture, the said recess being of such diameter as to receive one member of a Wratten ring, and clamp means threadedly carried by said wall member at spaced intervals about said recess for clamping the ring member therein, with said Wratten ring having a cooperating member arranged frictionally to fit the lens barrel of a camera.

2,362,791
ATTACHMENT FOR STRIPPING FOAM FROM CANS
Harry D. Ayars, Philadelphia, Pa., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application December 18, 1942, Serial No. 469,451
7 Claims. (Cl. 226—69)

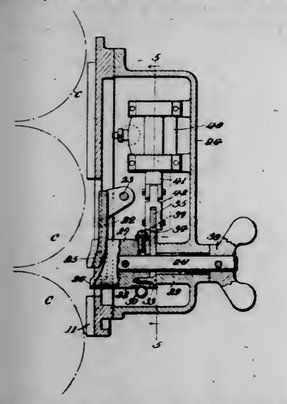


1. The combination of a conveying means for conveying filled cans to a closing machine, a stationary stripper blade associated with the conveying means and disposed so as to contact the foam projecting above the can passing beneath the same, and means for discharging a stream of air across said stripper blade for removing the foam in front thereof and discharging the same to a receiver at one side of the path of travel of the can.

2,362,792
STOP MECHANISM FOR CAN CONVEYERS
Harry D. Ayars, Philadelphia, Pa., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application December 24, 1942, Serial No. 470,066
9 Claims. (Cl. 193—40)

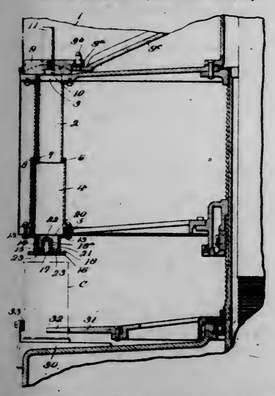
1. A can conveyer including in combination, means for directing cans in succession in a single line of travel, a stop member movable into the path of travel of the cans, a cam for moving said stop member into engagement with the cans, a spring in which power is stored for moving the

cam, a latch for holding the cam from movement by the spring, and a control means operating to



release the latch to permit the cam to be moved and the stop member shifted into the path of travel of the cans.

2,362,793
MACHINE FOR FILLING CANS
Harry D. Ayars, Philadelphia, Pa., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application January 4, 1943, Serial No. 471,272
5 Claims. (Cl. 226—98)



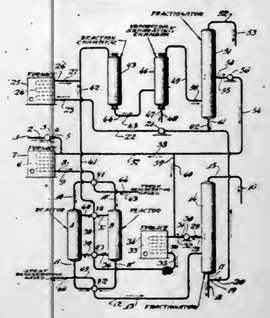
1. A machine for filling cans comprising a supporting frame, a tank rotatably mounted in said frame, a plurality of measuring pockets associated with said tank and rotating therewith, a rotatable valve at the lower end of each measuring pocket for controlling the discharge of the pocket into a can, means rotating with the measuring pockets for placing the cans to be filled beneath the pockets, an arm carried by each valve, a control cam mounted on said frame and movable into and out of the path of travel of said arms, devices operated by the cans placed for filling for moving said control cam into the path of travel of the valve arms whereby the valves are moved in succession into open position, devices associated with each valve for moving the same toward closed position, said devices including an operating arm, a second control cam mounted on the frame and contacting with said operating arms in succession for moving the valve associated therewith to partially closed position when the can is nearly filled and a third control cam contacting with said operating arms in succession for fully closing each valve after its measuring pocket is emptied.

2,362,794
WIRING DEVICE
George B. Benander, Oaklawn, R. I., assignor to Monowatt Electric Corporation, a corporation of Connecticut
Application April 11, 1942, Serial No. 438,545
4 Claims. (Cl. 174—64)



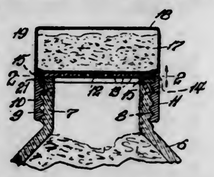
4. In a wiring device for wiring with a plurality of conductor sizes, a split conductor clamp having mating parts of insulating material provided with a conductor receiving groove, a knockout at one end of the groove closing the same, a knockout at the other end of the groove partially closing the same projecting to a height above the groove and shaped to provide, prior to its removal, a conductor gripping surface for one of the conductor sizes for which the device is adapted, and a knockout intermediate the other knockouts projecting to a lesser height and shaped to provide, prior to its removal, a conductor gripping surface for one of the larger conductor sizes for which the device is adapted.

2,362,795
HYDROCARBON CONVERSION PROCESS
Wayne L. Benedict, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application December 5, 1940, Serial No. 368,606
8 Claims. (Cl. 196—52)



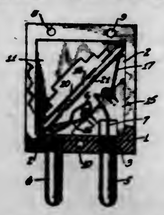
1. A process for the conversion of a hydrocarbon oil into lower boiling products including gasoline which comprises maintaining a thermal cracking step and a catalytic cracking step, fractionating the reaction products from said steps in separate fractionating zones, recovering gasoline and gas, recycling high boiling conversion products from both steps to said thermal step, supplying a portion of intermediate boiling conversion products from said thermal step together with a hydrocarbon oil charge to said catalytic cracking step, passing a portion of said intermediate reaction products from said thermal cracking step, together with intermediate reaction products from said catalytic cracking step in indirect heat exchange relationship first with catalytic material in the catalytic conversion step undergoing regeneration and then with the catalytic material used for cracking hydrocarbons, and thereafter passing the mixture to the aforesaid thermal cracking step.

2,362,796
ABSORBENT CLOSURE CAP
Charles F. Boesel, St. Louis, Mo.
Application August 30, 1941, Serial No. 408,919
3 Claims. (Cl. 312—31.1)



3. An absorbent cap for a drug receptacle comprising a threaded member having a top wall, circumferentially disposed apertures in said top wall adjacent its perimeter, a dehydrating chamber having bendable projections cooperable with said apertures for securing said chamber to said top wall of said member, and means borne by said member for clamping engagement with the ends of said projections.

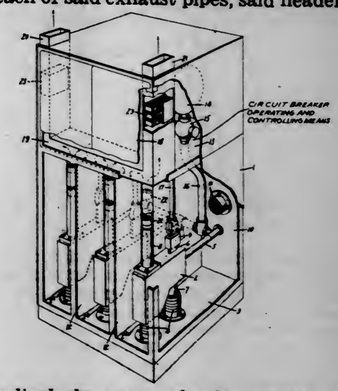
2,362,797
PIEZOCRYSTAL HOLDER
Samuel A. Bokovoy, Verona, N. J., assignor to Federal Telephone and Radio Corporation, a corporation of Delaware
Application October 15, 1942, Serial No. 462,129
7 Claims. (Cl. 171—327)



1. A holder for a piezoelectric crystal comprising a casing, two substantially triangular inserts within said casing, one of said inserts having a plurality of surfaces for supporting a crystal, the other of said inserts having means for holding said crystal against one of said plurality of surfaces.

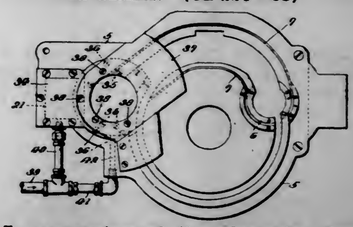
2,362,798
ELECTRIC SWITCHGEAR
Ralph E. Bold, Drexel Hill, Pa., assignor to General Electric Company, a corporation of New York
Application June 30, 1942, Serial No. 449,111
10 Claims. (Cl. 200—148)

1. Electric switchgear of the compact unit type comprising a supporting frame, a polyphase circuit breaker of the gas blast type mounted in said frame at one end thereof, means for operating and controlling said circuit breaker mounted in said frame at the opposite end thereof in alignment with said first mentioned means, a gas storage supply tank mounted on said frame, said circuit breaker having separate phase units each arranged to be directly supplied with gas under pressure from said tank, an exhaust pipe for each unit for venting hot arc gases therefrom, an exhaust header common to and communicating with each of said exhaust pipes, said header being



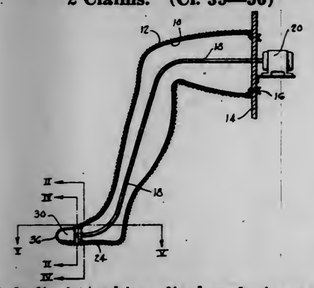
perpendicularly arranged with respect to said exhaust pipes and horizontally mounted on said supporting frame intermediate said two ends of said frame so as to be offset with respect to direct access to said circuit breaker operating means in said frame, and additional venting means extending laterally from said header for completely cooling the vented exhaust gases.

2,362,799
METHOD OF AND APPARATUS FOR REMOVING AIR FROM THE HEAD SPACES OF FILLED CANS
John M. Boyd, La Verne E. Clifcorn, and Gordon T. Peterson, Chicago, Ill., assignors to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application June 25, 1943, Serial No. 492,298
12 Claims. (Cl. 226—68)



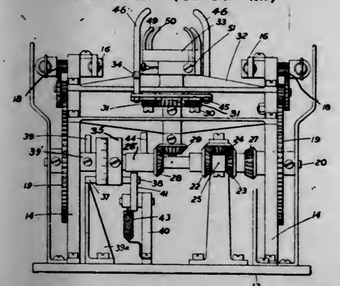
1. In apparatus of the character described, means for supporting an open filled container, and means providing at least three ports disposed in a common horizontal plane and in equi-distant widely spaced relation at a level a short distance above the open top of a filled container on said supporting means for directing an air displacing fluid medium radially inwardly and horizontally in individual jets which mutually contact centrally over said container and by said mutual contact are diverted downwardly into the container and then outwardly over the fill in the container, the wide spaces intervening said ports providing freedom for egress of air and the air displacing fluid from the container head space without the setting up of turbulent counter currents of fluid in said head space.

2,362,800
DISPLAY DEVICE
Samuel I. Burd and Martin M. Burd, Melrose Park, Pa.
Application March 7, 1944, Serial No. 525,456
2 Claims. (Cl. 35—56)



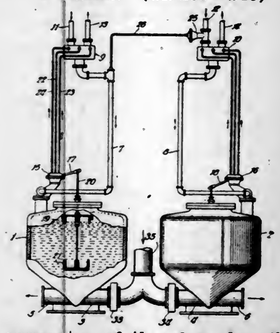
1. A ladies' stocking display device comprising a vertically-disposed board, a form simulating the leg of a person in sitting position carried by one side of said board and adapted to have a stocking drawn thereover, said form including vertically-disposed calf, knee, and ankle portions, and substantially horizontally-disposed foot and lower thigh portions, the foot portion of said form terminating in advance of the toe portion of the stocking, whereby the toe portion of said stocking is unsupported by said form, a motor carried by the opposite side of said board, a flexible shaft operatively connected to said motor and projecting through said board, said shaft extending through and being bent to conform to the shape of said form, a bearing carried by the foot portion of said form for supporting the free end of said shaft, a pair of juxtaposed separable members adapted to support the toe portion of the stocking, a cam rotatable by said shaft and disposed between said members, a spring normally biasing said members against the opposite sides of said cam, said members and said cam being so constructed and arranged that, in one position of said cam, said members and said cam fill, but do not expand, the toe of said stocking, and in another position of said cam, said members are separated so as to expand said toe portion.

2,362,801
APPARATUS FOR JOINING PIECES OF YARN
Clement Joseph Charnock, Manchester, England
Application April 2, 1942, Serial No. 437,427
In Great Britain April 7, 1941
6 Claims. (Cl. 57—22)



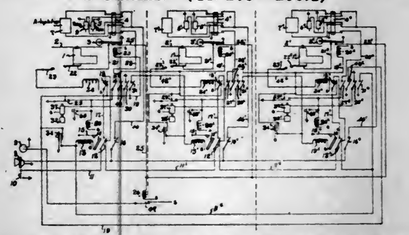
1. In a thread splicing machine, the combination with a pair of longitudinally slotted spindles each adapted to support and clamp a thread, means supporting said spindles in axial alignment with each other for rotation around a common axis, a support between said spindles for those sections of threads to be twisted together, mechanism common to both of said spindles for revolving them in unison, first in one direction and then in the opposite direction, and mechanism adjustable to predetermine the number of revolutions that each spindle will make.

2,362,802
CONTROL OF DUPLEX PNEUMATIC SEWAGE EJECTORS
Emil J. Ciabattari, Chicago, Ill., assignor to Yeomans Brothers Company, a corporation of Delaware
Application April 16, 1943, Serial No. 483,272
3 Claims. (Cl. 103—246)



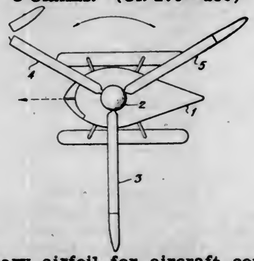
1. In apparatus of the class described, a pair of sewage receivers, means connected to said receivers for delivering sewage thereto, outlet conduits extending from said receivers, separate conduits for supplying air under pressure to said receivers to thereby effect discharge of sewage therefrom, valve means in each of said conduits controlled by the liquid level in the respective receivers, said valve means being operative to control the passage of air through said conduits into the respective receivers, and a normally open air pressure actuated valve in one of said air supply conduits and connected to the other of said air supply conduits so as to be closed by compressed air from said other conduit when air is admitted thereinto by said liquid level controlled valve.

2,362,803
CONTINUOUS SOUND RECORDING AND REPRODUCING SYSTEM
Henry P. Clausen, White Plains, N. Y., assignor to The Gray Manufacturing Company, Hartford, Conn., a corporation of Connecticut
Application September 25, 1942, Serial No. 459,661
2 Claims. (Cl. 179—100.4)



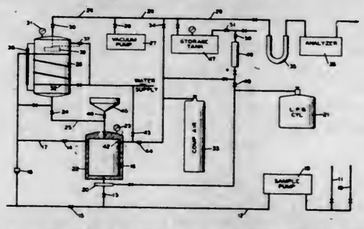
1. In a system of the type described, the combination comprising a plurality of machines for recording sounds on a record and reproducing sounds therefrom, control means interconnecting said machines and respectively controlled by said machines for causing during recording a machine in operation to start another machine near the end of the record of the former to overlap recording for a time interval and for interrupting reproduction of one machine near the end of its record and simultaneously initiating it from another machine.

2,362,804
ROTARY WING FOR AIRCRAFT
Ralph Cox, Jr., Pittsburgh, Pa.
Application December 15, 1943, Serial No. 514,340
8 Claims. (Cl. 170—159)



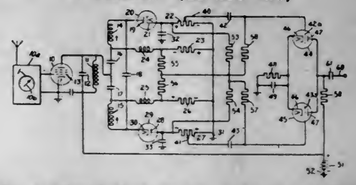
1. A rotary airfoil for aircraft comprising a body portion having a root end and a separable tip portion at the opposite end, said tip portion being secured to said body portion by relatively fragile means so as to provide a transversely extending zone of detachment at which said tip portion will be severed from said body portion upon a predetermined impact being delivered to said tip, a weight carried as a part of said body portion and movable longitudinally thereof, and restraining means holding said weight toward said root end and operable to release said weight for limited outward movement upon forceful detachment of said tip portion.

2,362,805
METHOD AND APPARATUS FOR DETECTING HYDROCARBONS
Richard L. Doan, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application June 17, 1940, Serial No. 341,031
5 Claims. (Cl. 23—232)



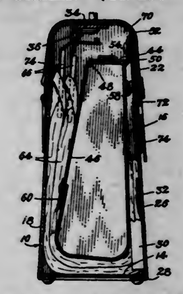
1. A method of treating drilling fluid comprising confining a sample of the drilling fluid in a closed vessel, heating the sample in the vessel to a temperature above the boiling point of the same whereby a superatmospheric pressure in the vessel results, flashing the heated drilling fluid under pressure into a lower pressure zone, cooling the vaporous effluent of the flashing step sufficiently to condense water vapor present, adding an oxygen containing gas to the remaining vaporous effluent to form a mixture, and passing the mixture to a combustion zone to measure the combustible content.

2,362,806
FREQUENCY MODULATION RECEIVER
Robert B. Dome, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application April 27, 1943, Serial No. 484,718
16 Claims. (Cl. 250—20)



1. In a discriminator for electric oscillations, means for supplying a carrier wave signal modulated in frequency about a desired mean frequency, means including a pair of rectifier circuits for deriving from said carrier wave signal potentials having mean values varying oppositely and linearly in intensity within a predetermined range of frequencies with variation of said carrier frequency from said mean frequency and having peak values of intensity at the limits of said range, means including a pair of signal channels controlled by said signal potentials respectively, and means for reducing the transmission of one or the other of said channels when the mean value of the controlling signal potential attains an intensity in the region of its peak value.

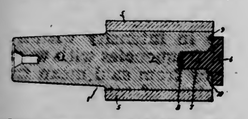
2,362,807
LUGGAGE
Emanuel Dresner, Chicago, Ill., assignor to Fannie Poster, Chicago, Ill.
Application November 22, 1943, Serial No. 511,241
5 Claims. (Cl. 190—41)



1. Luggage equipment comprising: in combination: an outer container having two hinged portions and shaped to rest on a horizontal support, such as a floor, with one section vertical and the other section opened to a horizontal position; means near the top of the vertical section for suspending the ends of garments with the body of each garment extending downwardly and then laterally across the opened horizontal portion; an inner container smaller than the other container; hinged means for attaching the inner container to the free edge of the opened section whereby the inner container may be laid gently over the remote ends of the suspended garments and then folded to closed position together with said opened section; the lower end of said inner container being of a size adapted, when moved into closed position, to displace and press against the nights of the suspended garments; said hinged connection for supporting said inner container

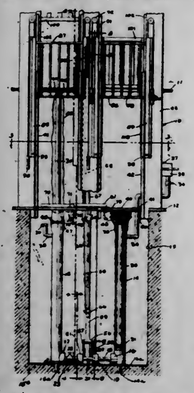
being offset from the center of gravity of said inner container in a direction away from the suspended ends of said garments whereby said inner container tends by gravity to press gently against the free ends of the garments after the outer container has been closed; said inner container being tapered with its upper end smaller than its lower end, whereby the face of the said inner container opposite the suspended ends of the garments lies at an acute angle to the opposed outer container wall, and thus affords additional clearance adjacent the shoulder portions of said suspended garments.

2,362,808
PLUG GAUGE
George E. Durgin, South Lynnfield, Mass., assignor to General Electric Company, a corporation of New York
Application May 19, 1943, Serial No. 487,604
3 Claims. (Cl. 33—178)



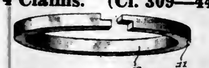
1. In a plug gauge consisting of a main body portion and hard wear-resistant inserts on the surface thereof, the outer end of said body portion having an opening therein and a plug member of softer material than said body portion secured in said opening, said member being provided with a shoulder portion engaging and extending beyond the outer end surface of said gauge.

2,362,809
ELEVATOR
Ernest Eugene Evans, Riverside, Calif., assignor of one-third to Roy Everett Evans and one-third to Lloyd Alfred Evans, both of Riverside, Calif.
Application September 18, 1943, Serial No. 502,920
10 Claims. (Cl. 187—28)



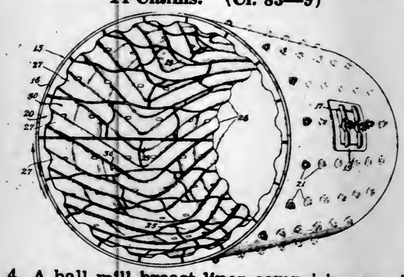
1. In an apparatus for lowering boxes from one level to another, a pair of spaced, vertically arranged cylinders, a plunger arranged in each cylinder, a box receiving platform mounted on each plunger, conduit means connecting the cylinders, a valve controlling passage of fluid through the conduit, manual means to open the valve and means operated by a box on the platform for moving the valve to closed position.

2,362,810
PISTON RING AND METHOD OF MAKING SAME
Warren H. Farr, Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania
Application November 16, 1938, Serial No. 240,676
4 Claims. (Cl. 309—44)



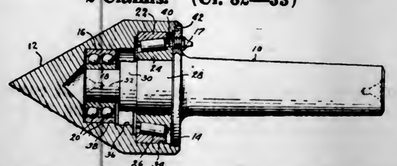
1. A piston ring having concentric radially inner and outer faces, said entire inner face and the material adjacent thereto being hardened, said entire outer face and the material adjacent thereto being substantially unhardened, the line of demarcation between said hardened and unhardened material extending throughout the ring and being eccentric to said faces whereby the radial thickness of said hardened material varies throughout the ring.

2,362,811
BALL MILL LINER
Louis A. Fitzgerald, Republic, Wash.
Application January 29, 1942, Serial No. 428,639
14 Claims. (Cl. 83—9)



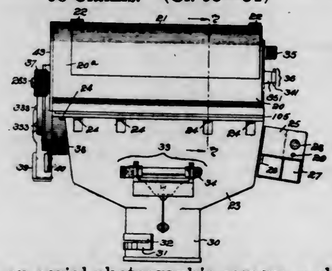
4. A ball mill breast liner comprising a grinding surface formed with a continuous series of alternate continuous ribs and grooves extending inwardly from the liner ends in a herringbone pattern, the convergences of the ribs being at substantially the longitudinal center of the liner, said ribs and grooves being adapted for guiding the grinding balls of the mill toward said center as an incident to rotation of the liner with said convergences trailing.

2,362,812
LIVE CENTER
Charles J. Fouchey, Ecorse, Mich.
Application March 16, 1944, Serial No. 526,677
2 Claims. (Cl. 82—33)



2. A live center comprising, in combination, a shank member, a hollow center member received over the end of the shank, an axial thrust bearing assembly mounted upon the shank spaced from its end and supporting the center for rotation thereupon, said bearing assembly having its inner race axially abutting at its inner end the shank member and at its outer end spaced axially from the center member providing a clearance therebetween, said bearing assembly having its outer race axially abutting at its outer end the center member, said shank having a clearance axially rearwardly of the inner end of the outer race of said bearing assembly permitting axial shifting of said outer race with the center relative to the shank and the inner race of said bearing assembly and transmitting axial thrust from the center member through the bearing assembly upon the shank member, a radial thrust bearing assembly mounted upon the shank adjacent to its end supporting the center for rotation thereupon and taking the radial thrust of the center member upon the shank member, said shank member provided with an axial clearance axially adjacent to the rear end of the radial thrust bearing assembly and between said member and assembly permitting said center member and bearing assembly to shift and telescope inwardly upon the shank member as permitted by said clearance to take up for wear of the axial thrust bearing assembly.

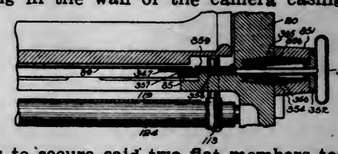
2,362,813
PHOTOGRAPHIC CAMERA PARTICULARLY ADAPTED FOR AERIAL PHOTOGRAPHY
Archie H. Gorey, Louis D. Nadel, and Edson S. Hineline, Rochester, N. Y., assignors to The Folmer Graflex Corporation, Rochester, N. Y., a corporation of Delaware
Application April 1, 1942, Serial No. 437,240
98 Claims. (Cl. 95—34)



2. In an aerial photographic camera, a shutter, supporting means for a film supply spool, supporting means for a film take-up spool, film feeding means for advancing film for exposure, shutter rewinding means, shutter release means, and means having a manually operable member cooperating through the shutter rewinding means and with the film feeding means and also with the shutter release means rendering it impossible to make a second operation of the manually operable member of the shutter release means until the shutter has been rewound by the shutter rewinding means and the film has been advanced for ensuing exposure.

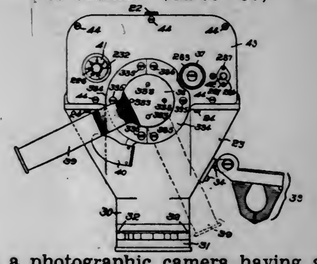
2,362,814
PHOTOGRAPHIC EXPOSURE IDENTIFICATION MEANS, PARTICULARLY FOR AERIAL CAMERAS
Archie H. Gorey, Louis D. Nadel, and Edson S. Hineline, Rochester, N. Y., assignors to The Folmer Graflex Corporation, Rochester, N. Y., a corporation of Delaware
Original application April 1, 1942, Serial No. 437,240. Divided and this application April 8, 1943, Serial No. 482,236
5 Claims. (Cl. 95—1.1)

1. Means for photographically recording data on the exposure area of a sensitized surface at the time of exposure, including a substantially flat stencil or tab holder insertable through an opening in the wall of the camera casing closely adjacent the path of the sensitized surface, said stencil or tab holder consisting of a sheet metal member bent into general T-shaped form to present a handle and two protruding, flat, parallel members, which latter are insertable through said opening in the wall of the camera casing, and



means to secure said two flat members together with space between the forward portions of said two members to receive removably a stencil or tab of translucent material, together with means for bringing the sensitized surface and a face of the stencil or tab into contact, after tab insertion, to provide a clear, unblurred record on said sensitized surface.

2,362,815
SHUTTER CURTAIN MECHANISM, PARTICULARLY FOR AERIAL CAMERAS
Archie H. Gorey, Louis D. Nadel, and Edson S. Hineline, Rochester, N. Y., assignors to The Folmer Graflex Corporation, Rochester, N. Y., a corporation of Delaware
Original application April 1, 1942, Serial No. 437,240. Divided and this application April 10, 1943, Serial No. 482,590
80 Claims. (Cl. 95—57)



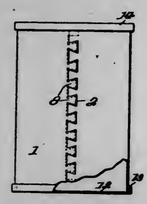
1. In a photographic camera having a single focal-plane shutter having different sized openings therein and means including a to and fro movable member for rewinding the same, and also including a shutter rewind gear 156, means cooperating with said gear for selecting a different sized shutter opening, a main driving gear 211 and driving gearing for said driving gear 211 including a ratchet wheel 215 co-axial with gear 211 and driven therewith, a gear 218 co-axial with and driving said gear 211, a pawl engaging said ratchet wheel 215 to prevent movement of said gear 211 in one direction, a gear 302 constituting the outer free running member of an overrunning clutch and meshing with gear 218, and a cooperating driving clutch member 303 co-axial with gear 302 and permitting winding movement of the shutter in the direction of turning movement of said gear 302, the manually operable shutter handle or operating member 39 mounted exteriorly of the camera casing and constituting said to and fro movable member for imparting winding movement to the shutter rewinding means, and means rendering it impossible to make a second operation of such manually operable shutter handle or operating member until after the shutter curtain has completed an exposure run.

2,362,816
ELECTRICAL DISCHARGE DEVICE
David Harker, Alplaus, N. Y., assignor to General Electric Company, a corporation of New York
Application April 15, 1943, Serial No. 483,157
6 Claims. (Cl. 250—142)



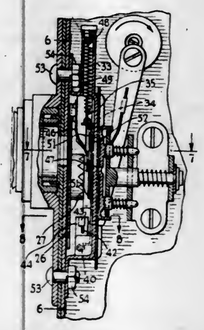
1. An electron discharge device comprising an envelope adapted to function as an anode, a non-thermionic cathode enclosed thereby, means for insulating said electrodes from one another, a charge of gas at a pressure in the range of about 1 to 100 microns contained in said envelope and filling the space between said electrodes, the geometry and spacing of said electrodes being favorable to the operation of a self-perpetuating unidirectional gas ionization discharge therebetween which is constricted into a fine beam, and a tubular extension for said envelope so aligned that said beam discharge will traverse said extension.

2,362,817
METHOD OF MAKING SHEET METAL CONTAINERS
John Haycock, Larchmont, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application September 28, 1942, Serial No. 459,983
1 Claim. (Cl. 113—120)



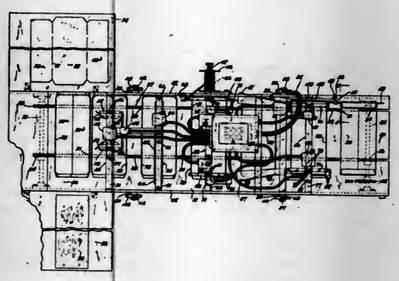
The method of making a side seam for a sheet metal can body comprising cutting one edge of the body blank so as to provide spaced projecting portions along the edge of the blank which projecting portions are wider at the free ends thereof than at the portion joining the body blank, cutting the other edge of the body blank so as to provide recesses spaced the same as the projections, all edges of the projections and recesses being cut edges, said projections and recesses being shaped so that when the projections are inserted in the recesses the edges of the projections will make intimate contact with the edges of the recesses, curving the projecting portions transversely of the center line thereof so as to reduce the over-all area of the projections to facilitate the insertion of the same in the respective recesses of the other edge portion of the blank placing said curved portions while the edges are freshly cut and free from oxidation in said recesses, bumping the seam so as to straighten out the curvature of the projecting portions and bring said cut edges thereof into intimate contact with the cut edges of the recesses and immediately metal bonding the side seams for hermetically uniting the contacting edges.

2,362,818
COLOR FILTER FOR MOVING PICTURE DEVICES
Benjamin W. Herzka, New York, N. Y.
Application July 15, 1943, Serial No. 494,790
9 Claims. (Cl. 88—16.4)



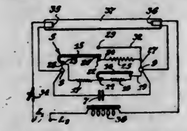
1. The combination with a lens and shutter of a film support, a filter-bearing frame between the support and lens, two transparent differently colored areas in the filter, a claw for feeding a film intermittently across said support, means connected to said claw for moving the frame with the film at alternate movements of the claw, and a spring for returning said frame to its initial position between alternate movements of the claw.

2,362,819
PACKAGE WRAPPING MACHINE
Claude E. Hinchey, Weyauwega, Wis.
Application January 28, 1942, Serial No. 428,526
5 Claims. (Cl. 93—2)



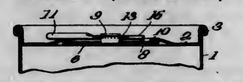
1. A package wrapping machine comprising, a table having an elongated flat top, a super structure spanning said top and vertically, reciprocably mounted on portions of the table, a package conveyor movable along said table top, clutch controlled means for steppedly advancing the conveyor, means including revoluble cams for reciprocating the super structure, a motor operatively connected with both the conveyor advancing means and the reciprocating means for operating the same, and a single lever controlling operation of the conveyor advancing means and the reciprocating means at proper intervals and in a desired sequence, the conveyor advancing means including a delayed action mechanism.

2,362,820
THERMAL RELAY FOR STARTING FLUORESCENT LAMPS
Charles H. Hodgkins, Fairfield, Conn., assignor to The Bryant Electric Company, Bridgeport, Conn., a corporation of Connecticut
Application December 16, 1942, Serial No. 469,198
3 Claims. (Cl. 200—122)



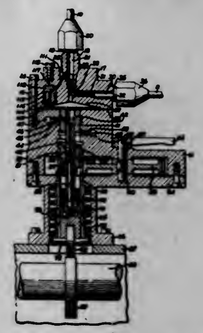
1. A relay for starting an electric discharge lamp from a source of electrical energy comprising a base, a heat-responsive element carried by said base, an electic heater disposed in heat transfer relation to said heat-responsive element for causing movement of the latter upon the flow of current through said heater, circuit-controlling means operable in response to movement of said heat-responsive element upon the application of approximately line voltage to said heater to interrupt the circuit to said lamp and to said heater and cause the initiation of a discharge in said lamp, a second electric heater operably connected in the circuit with said lamp upon initial movement of said heat-responsive element and operable upon the application of lamp-operating voltage thereto to heat said heat-responsive element sufficiently to maintain the latter in the position to which it is initially moved, and said second electric heater being operable upon the application of approximately line voltage thereto in the event a discharge is not initiated in said lamp to move said heat-responsive element and cause said circuit-controlling means to momentarily complete a circuit to said lamp independently of either of said electric heaters, and a normally short-circuited third electric heater adapted to be connected in series with said second electric heater upon the application of approximately line voltage to the latter for a predetermined period of time due to said lamp becoming defective and operable to reduce current flow through said second electric heater to cause the latter to maintain said heat-responsive element substantially in the position to which it was initially moved until replacement of the defective lamp.

2,362,821
KEY OPENING SHEET METAL CONTAINER
William W. Hodgson, Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application June 11, 1942, Serial No. 446,650
1 Claim. (Cl. 220—52)



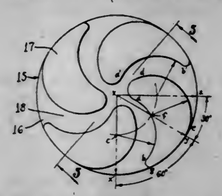
A sheet metal key opening container including a closure end having a depression formed therein, a metal key attaching disk located in said depression, the wall surrounding the depression being bent inwardly so as to overlie and secure the disk permanently to the closure end, a key having a slot therethrough for opening the container placed so that the slot in the key overlies said disk, said disk having a member struck up therefrom extending through the slot in the key and bent upon itself so as to overlie a portion of the key for securing the key to the sheet metal disk.

2,362,822
FUEL INJECTION PUMP
Jesse E. Houser, William A. Hancock, and Lewis T. Rowe, Dayton, Ohio, assignors to The Dayton Liquid Meter Co., Dayton, Ohio, a corporation of Ohio
Original application June 22, 1940, Serial No. 341,840. Divided and this application May 9, 1941, Serial No. 392,696
12 Claims. (Cl. 299—107.2)



1. In a fuel injection pumping means for use with an injection device, said pumping means having a piston, a discharge check valve and means for relieving pressure between the piston and said discharge check valve after a predetermined movement of the piston on its discharge stroke, means for preventing drip at the injection device, said drip preventing means including a diaphragm having its sides communicating respectively with the inlet and outlet sides of the check valve.

2,362,823
BASE BLOCK FOR CRUCIBLES OR THE LIKE
George T. Hubbell, West Haven, Conn., assignor to American Crucible Company, Shelton, Conn., a corporation of Delaware
Application December 10, 1942, Serial No. 468,533
4 Claims. (Cl. 263—11)



1. A base block for supporting crucibles or the like in the heating chamber of a furnace, comprising a circular base portion having upstanding spaced supporting members on one face thereof, each of said members extending from a point adjacent the center of the base portion to a point adjacent the periphery thereof, and said members being correspondingly curved adjacent their outer ends to direct a flame around the outer ends of said members when said flame is directed around the block in one direction and to cause the flame to enter the spaces between said members when the flame is directed around the block in the opposite direction, said block being adapted to rest freely on the floor of the heating chamber and being reversible in position to rest either on the base portion or on said members.

2,362,824
ANKLE SUPPORT FOR BOOTS
Melville G. Hueston, Toronto, Ontario, Canada
Application February 24, 1944, Serial No. 523,640
8 Claims. (Cl. 36—8.5)



1. In an ankle support for a boot having an upper for fitting about the ankle of a foot, said ankle support comprising a stiffening member exteriorly applied to the upper and extending upwardly from the back of the heel portion to a point above the ankle portion, the portion of the stiffening member medially of its width being secured to the upper along its length and the sides of the stiffening member extending freely outwardly.

2,362,825
REFRACTORY MATERIAL AND METHOD OF MAKING
Otis Hutchins, Niagara Falls, N. Y., assignor to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
No Drawing. Application February 1, 1941, Serial No. 377,020
3 Claims. (Cl. 106—65)

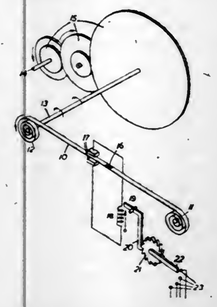
1. A method of making a refractory mullite material having a low glass content which comprises fusing a mixture of silica and calcined bauxite in approximately the alumina-silica ratio of 72 parts by weight of alumina to 28 parts by weight of silica in an electric furnace until the amount of fused material is greater than 5000 pounds by weight, and slowly cooling the fused mass over a period of at least six hours to form a solidified fused mass of mullite refractory material containing less than 10% glass, the macrostructure of said mass being predominantly large needle-like mullite crystals lying with their long axes substantially parallel to one another.

2,362,826
PROCESS OF PRODUCING DROPOUT HALF-TONE NEGATIVES
Arthur L. Huttkay, Newark, N. J.
Application August 25, 1942, Serial No. 455,984
7 Claims. (Cl. 95—5)



1. A process of producing on a light-sensitive photographic material from an original drawing having high-light and tone sections a drop-out half-tone negative having opaque portions corresponding to said high-light sections and half-tone portions corresponding to said tone sections, said process comprising the steps of coating the sheet on which said original drawing is made with diluted sodium thiosulphate, painting the tone sections of said drawing with a coloring solution containing uranium nitrate in addition to the paint for creating the shades of said tone sections, thereafter photographing the thus prepared original drawing successively through a half-tone screen and without interposing said screen on said light-sensitive photographic material and also placing, before, between or after said photographic steps, a highly light-reflecting, preferably white, sheet, in front of said drawings and photographing said sheet through said half-tone screen in order to obtain screening dots also in the dark areas of the half-tone portions of the drop-out half-tone negative.

2,362,827
AUTOMATIC CONTROL FOR TORPEDOES
Hans Samuel Joachim, London, England
Application June 23, 1943, Serial No. 491,972
In Great Britain January 11, 1943
6 Claims. (Cl. 114—21)

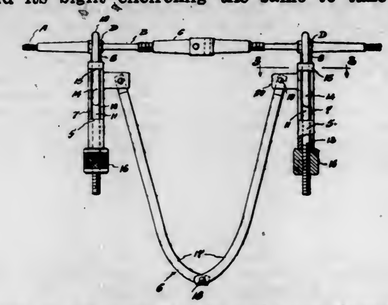


1. In a system for automatically controlling a power propelled craft during its course of travel, the combination upon said craft of signal transmitting apparatus including a signal-carrier consisting of elongated, flexible material, a reel for coiling said carrier thereupon, means for rotating said reel at a speed proportional to the speed at which the craft is driven, said carrier having a plurality of code-signals thereon, signal responsive pick-up means disposed adjacent the path of movement of said carrier onto said reel and so as to receive said code-signals passing in succession thereby, a relay energized in accordance with and common to all the code-signals received by said pick-up means, a plurality of pilot devices each adapted to respond to a particular one of said code-signals and effect a particular control influence of said craft, and code selector means interposed between said relay and said pilot devices for determining which of said pilot devices is to respond.

2,362,828
CABLE HOLDER
Emil G. P. Kading and Donald H. Vye, Toronto, Ontario, Canada
Application March 31, 1943, Serial No. 481,326
2 Claims. (Cl. 81—13)

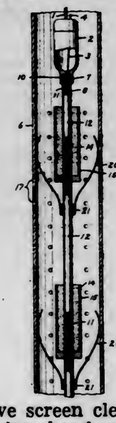
1. In a tool for holding cable ends of a turnbuckle connection, an extensile element for spanning the turnbuckle connection and having spreadable parts, gripping members connected individually to the spreadable parts, comprising a tubular stock cut away intermediate of its length to form a guideway, a jaw rigid with an end of the stock, a movable jaw disposed outwardly of said jaw, a round shank carrying said movable jaw having a part of its length slidable in said guideway and in the bore of the stock, said shank also having a part of its length offset outwardly of the guideway and alongside of the first mentioned jaw to support the movable jaw, a U-shaped keeper mounted on the stock having

side portions flanking the offset part of the shank and its bight encircling the same to take the



stress on the movable jaw, and a nut threadedly engaged with the shank and shouldered on the stock for adjusting the movable jaw.

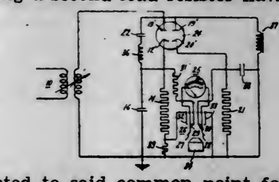
2,362,829
EXPLOSIVE SCREEN CLEANER
Myron M. Kinley, Houston, Tex.
Application August 18, 1941, Serial No. 407,340
6 Claims. (Cl. 102—21.8)



1. An explosive screen cleaner assembly comprising a lowering head, a tube of frangible material attached to said head, alternate units of an explosive and blasting caps arranged end to end within said tube, a plurality of frangible containers surrounding said tube and secured thereto in spaced relation, guiding springs extending outwardly from said tube to engage surrounding cylindrical walls to guide the assembly centrally of such walls, and means for igniting the explosive in the tube proximate the lowering head to discharge said caps and the explosive in the containers whereby detonations at a plurality of spaced points are created.

2,362,830
MODULATION MEASURING APPARATUS
Halsey W. Kline, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application November 23, 1942, Serial No. 466,613
4 Claims. (Cl. 179—171.5)

1. An apparatus for measuring the degree of modulation of a modulated carrier voltage comprising a source of modulated carrier waves having one terminal connected to a common point of predetermined fixed potential, means including a first load resistor having one end connected to said common point for rectifying said carrier wave to obtain a unidirectional voltage having an alternating component and a mean value, means including a second load resistor having one end

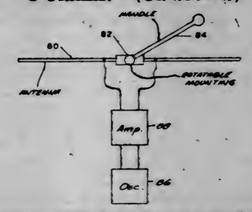


connected to said common point for rectifying said alternating component of voltage to obtain a second unidirectional voltage, and a direct current indicating instrument having a single coil connected to measure the difference of said second unidirectional voltage and said mean value of said first unidirectional voltage.

2,362,831
ELASTIC FLUID TURBINE
Hans Kraft, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application August 20, 1943, Serial No. 499,369
5 Claims. (Cl. 253—76)

1. Elastic fluid turbine comprising a casing, a plurality of diaphragms supported in the casing, a rotor having bucket wheels associated with the diaphragms, each diaphragm having a plurality of circumferentially spaced partitions, an outer ring secured to the outer ends of the partitions, and means for removing moisture from the surfaces of the partitions comprising channels formed in the partitions and extending through the exit edges thereof and means to induce a suction in said channels to induce moisture on the partitions to enter said channels.

2,362,832
REMOTE-CONTROL APPARATUS EMPLOYING POLARIZED ELECTROMAGNETIC RADIATION
Edwin H. Land, Cambridge, Mass., assignor to Polaroid Corporation, Dover, Del., a corporation of Delaware
Application September 16, 1940, Serial No. 357,035
3 Claims. (Cl. 250—2)



1. A remote control system comprising, in combination, means providing a source of polarized radio frequency waves, means for simultaneously projecting said waves in a predetermined path

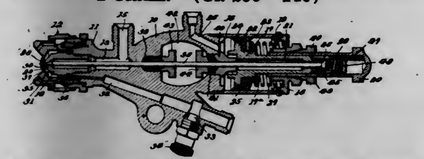
and effecting predetermined variation of the polarization properties of said waves, a plurality of means sensitive to said variations and positioned in the path of said waves in such manner that one of said sensitive means has less than maximum sensitivity to polarized radiation to which the other of said sensitive means has maximum sensitivity, and interpreting means operatively coupled with said sensitive means for maintaining the output of said sensitive means in balance, said interpreting means being responsive to uneven activation of said sensitive means.

2,362,833
CHIMNEY CONSTRUCTION
Frank G. Landwehr, Detroit, Mich.
Application February 16, 1944, Serial No. 522,649
6 Claims. (Cl. 72—90)



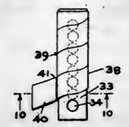
1. In combination with a pitched roof, a masonry chimney comprising a substantially rectangular major portion upwardly extending toward said roof and having two of its exterior faces substantially parallel to the pitch of the roof, a substantially rectangular minor portion intersecting and upwardly extending from the roof and having an approximate forty-five degree divergency of its exterior faces to those of the major portion, and a portion interconnecting said major and minor portions, and having its exterior faces substantially registered at their bottoms and tops with those of the major and minor portions and inclined to afford such registration.

2,362,834
SPRAY GUN
Ralph A. Larson, Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application August 29, 1941, Serial No. 408,881
1 Claim. (Cl. 299—140)



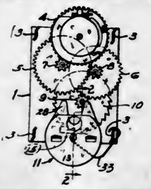
A spray gun comprising a body having a coating material discharge passage at one end thereof, a valve seat surrounding said passage, a piston cylinder carried by the opposite end of said body and in axial alignment with said valve seat, a needle valve directly engageable with said valve seat for controlling the flow of coating material and having a shank portion extending into said cylinder, a piston in said cylinder and movable in one direction under the influence of fluid pressure for opening said valve and movable in the opposite direction for closing said valve, a relatively heavy spring disposed in said cylinder and directly engaging the piston for moving said piston in a valve closing direction, said piston having a centrally located sleeve extending away from said valve seat and through which said shank portion extends, a head at the end of said shank portion adapted normally to be engaged by said piston sleeve for opening said valve, a cap member carried by said sleeve for closing the end thereof and providing an internal chamber, a relatively light cushioning spring interposed between said head and said cap member and effective for normally and yieldably holding the shank head against the piston sleeve to move therewith toward and from the valve seat and for cushioning the force of impact between the valve and the valve seat in order to prevent damage thereto when the piston is moved in a valve closing direction by action of said relatively heavy spring.

2,362,835
DISPENSER
Elma M. Lauer, New York, N. Y.
Application February 19, 1941, Serial No. 379,604
2 Claims. (Cl. 206—42)



1. A dispenser comprising a cylindrical body having a plurality of pockets formed therein, each of said pockets forming a cylindrical chamber extending inwardly from the surface of said body, and a strip of material forming a seal for all said pockets wound about said body and surrounding the same along the major axis thereof and adapted to be removed therefrom to successively uncover said pockets therein.

2,362,836
CLOCK BALANCE WHEEL
Paul J. McCullough, St. Louis, Mo., assignor to Joseph Pavelka, St. Louis, Mo.
Application April 11, 1942, Serial No. 438,583
15 Claims. (Cl. 58—117)

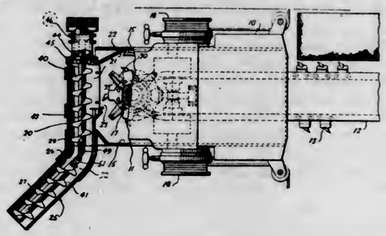


1. In a clock escapement device including a scape wheel, a balance wheel comprising a disc, a pallet structure consisting of a U of spring wire with its crossbar positioned at one side of the disc and with its legs extending through the disc and projecting from the opposite side thereof to yieldingly engage the scape wheel, and means holding the crossbar tightly against the adjacent side of the disc to secure the lower ends of the legs to the disc.

2,362,837
SLACK OR CUTTINGS REMOVING DEVICE FOR KERF-CUTTING MACHINES
William T. McCullough, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application November 5, 1942, Serial No. 464,594
4 Claims. (Cl. 262—30)

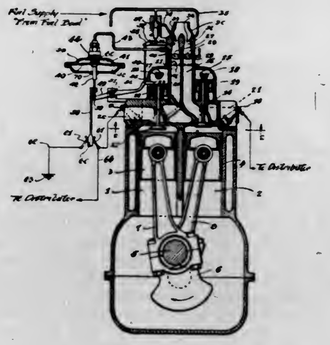
1. In combination with a kerf-cutting machine having a frame, a cutter chain, a cutter bar for said chain having a portion extending through a cuttings discharge passage in said frame, a drive member for said chain adjacent the rear

end of said passage, a cuttings discharge device including a horizontally disposed casing in cuttings receiving relation at the rear end of said passage and having a screw conveyer element therein, a rotary sweep element mounted in said passage concentric with and below said chain



drive member, including a plurality of propelling arms extending outwardly beyond the reach of said cutter chain into close proximity with said screw element to feed the cuttings directly to the latter, and means for driving said rotary sweep element in the same direction as said chain drive member.

2,362,838
INTERNAL-COMBUSTION ENGINE
Marion Mallory, Detroit, Mich.
Application December 31, 1942, Serial No. 470,765
11 Claims. (Cl. 123—52)

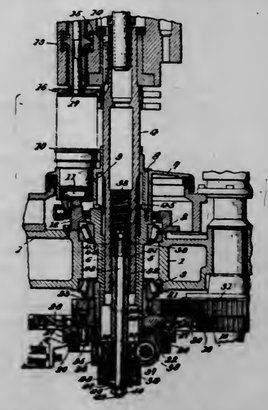


9. An internal combustion engine comprising at least one power unit which consists of a plurality of cylinders, a piston for each cylinder, intake and exhaust ports for each cylinder, separate intake passageways for each of said intake ports, a throttle valve for each of said intake passageways, the throttle valves for each power unit being arranged to open and close in unison, valves for controlling said ports, ignition means for firing the compressed charge in each cylinder, the cylinders of each power unit being arranged to charge, compress, fire and exhaust approximately simultaneously, and means including a suction operated device connected into the intake passageway for one of said cylinders on the engine side of the throttle valve for opening the exhaust valve and shutting off the source of fuel for one of the cylinders of said power unit whenever the manifold vacuum is less than a predetermined value.

2,362,839
SOUND DEADENING BITUMINOUS CEMENT
Henri M. Marc, Cincinnati, Ohio, assignor to The Philip Carey Manufacturing Company, a corporation of Ohio
No Drawing. Application August 2, 1940, Serial No. 350,100
17 Claims. (Cl. 106—282)

2. A sound deadening coating composition comprising about 20 per cent to 35 per cent by weight of a blend of two air-blown asphalts, one of said asphalts being an air-blown, highly refined but uncracked, petroleum residuum having a softening point of about 220° F. and the other of said asphalts being an air-blown, cracked petroleum residuum having a softening point of about 200° F., about 35 per cent to 55 per cent of a mixture of fine asbestos fiber and fine granular material, the ratio by weight of asbestos fiber to granular material being in the range from 1.2 to 4.0, and a petroleum solvent.

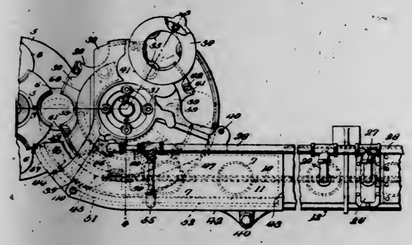
2,362,840
CONTAINER SEALING MACHINE
Ralph M. Mero, Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application July 30, 1942, Serial No. 452,956
6 Claims. (Cl. 113—24)



1. In a machine for sealing cans, means for supporting a can, means for supporting a can end in cooperative position relative to a supported can, two interengaging screw-threaded adjusting means connected to said can supporting means and to said can end supporting means respectively for variably spacing said two supporting means from each other, screw-threaded locking means rotatable in unison with and movable axially with respect to one of said screw-threaded adjusting means and having threaded connection with the other of said screw-threaded adjusting means, and releasable means including a manipulatable element positioned to be accessible at a point remote from said screw-threaded locking means and being adjustable during engagement of said screw-threaded adjusting means with each other and during engagement of said screw-threaded locking means with said other of said screw-threaded adjusting means for selectively exerting a force urging said screw-threaded locking means axially with respect to said one of said screw-threaded adjusting means to effect binding between the threads of said two

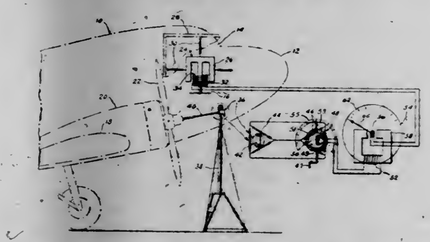
screw-threaded adjusting means or for discontinuing the exertion of said force to thereby discontinue substantially completely the binding between the threads of said screw threaded adjusting means.

2,362,841
FILLED CONTAINER STEAMING APPARATUS AND METHOD
Herbert L. Minaker, Syracuse, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application May 13, 1942, Serial No. 442,811
14 Claims. (Cl. 226—82)



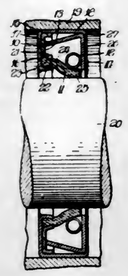
1. In apparatus of the character described, means including a rotary turret for simultaneously conveying filled containers and covers therefor having curled edge portions with the covers disposed above and aligned with the containers, cover holding ledges upstanding from the turret and rotatable therewith and engageable under the inner curled edge portions of the covers for holding them against free radial movement due to centrifugal force, a stationary frame plate, and means on the frame plate providing an arcuate steam jetting slot directed toward the head spaces in passing containers and disposed closely adjacent and concentrically within the path of travel of said ledges, said ledges having steam slots therein registering with said arcuate slot and through which steam is directed from the stationary arcuate slot into the moving container head spaces for displacing air therefrom.

2,362,842
PROPELLER BALANCING MECHANISM
Robert K. Mueller, Erie, Pa., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application April 29, 1941, Serial No. 390,897
3 Claims. (Cl. 73—66)



1. In apparatus for balancing a rotating body including a device for producing a series of electric current impulses when subjected to vibration caused by unbalance of said rotating body, a multi-phase generator driven in timed relation with and located adjacent to said rotating body for producing another series of current impulses when rotated with said rotating body, and a two coil measuring device for indicating the in phase product of said two series of current impulses; control means remote from said rotating body and said generator for shifting the angular relationship between the output of said generator and said rotating body comprising a manually adjustable phase shifting transformer spaced from said rotating body and said generator and having a multi-phase portion electrically connected with said generator and a manually rotatable single-phase portion electrically connected with the field coil of said measuring device, and means for feeding said vibration induced current impulses to said measuring device.

2,362,843
OIL SEAL
Harry L. Northup, Chicago, Ill., assignor to Chicago Rawhide Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application December 22, 1938, Serial No. 247,154
4 Claims. (Cl. 288—3)



1. A self-contained sealing unit of the type described, comprising a centrally apertured sheet metal cup for pressed fit insertion within a housing about a centrally located shaft, which cup is provided about the aperture in the bottom thereof with an integrally formed reentrant flange, a narrow somewhat conical band of flexible packing material, one edge of which is slightly larger than the other and is sleeved over the reentrant flange, an axially opening annular channel member which opens axially of the cup in the direction of projection of said reentrant flange and which is positioned against the bottom of the cup between the rim of the latter and the larger edge of the band of packing material in radially clamped engagement with such edge, and a second cup which is provided with a rim having an edge of substantially reduced diameter positioned within the channel member in axially clamped engagement with the bottom of the latter.

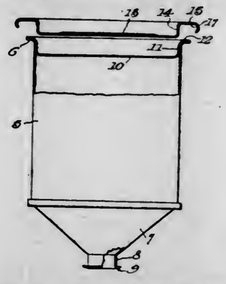
2,362,844
MECHANICAL LOADING AND CONVEYING OF LOOSE MATERIAL
Tage Georg Nyborg, Worcester, England, assignor of one-half to The Mining Engineering Company Limited, Worcester, England
Application September 4, 1943, Serial No. 501,313
In Great Britain July 1, 1942
3 Claims. (Cl. 198—220)

1. A loading unit including a telescopic base, a reciprocating feed section superimposed relative to and movably supported on the base, an enlarged section at the operative end of the base, a shovel slidable relative to the enlarged section and having one end thereof overlying and discharging onto the feed section, power means on



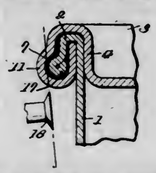
the enlarged section connected to the shovel for reciprocating the shovel and base, and manually controlled means for shortening or lengthening the unit for initially positioning the shovel, said means in part being operable for laterally shifting the shovel end of the unit.

2,362,845
CONTAINER STRUCTURE
Frank J. O'Brien, Pelham, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application June 20, 1941, Serial No. 399,016
2 Claims. (Cl. 220—82)



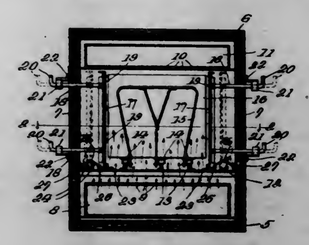
1. A container having a large area open bottom end closed by a foreign matter excluding transparent end member adhered to said container and through which the interior of the container can be inspected with facility prior to filling, and a bottom end closure intended to ultimately seal the container and temporarily applied thereto over said transparent end member prior to filling of the container, said transparent end member being cupped a distance into the container bottom end, and said end closure including a depressed portion removably receivable in and contacting the cupped portion of the transparent end member in a manner for sustaining the cupped condition thereof.

2,362,846
SHEET METAL CONTAINER
Frank J. O'Brien, Pelham, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application September 26, 1941, Serial No. 412,512
1 Claim. (Cl. 220—67)



A sheet metal container comprising a body portion having an outwardly extending flange at the end thereof, a closure end having a depression therein providing a vertical wall fitting within the can body and a portion extending over and rolled into a double seam with the flange of the can body, a sealing compound disposed within the double seam and providing a hermetic seal for said seam, a fiber gasket disposed within the double seam between the outer face of the body flange and the inner face of the outer wall of the double seam for separating the faces of the outer wall from the flange of the body and positioning the same to facilitate the cutting of the outer wall through the space provided by the fiber gasket for releasing the closure end from the container body, said flange on the body portion being bent back upon itself prior to the rolling of the parts into the double seam, thereby to form an outwardly bulge in the rolled seam effective to additionally facilitate cutting of the outer wall through the space provided by said gasket, said fiber gasket also extending between the bent-back portion of the body flange and the inner face of the outer wall of the double seam.

2,362,847
BAFFLE WALL STRUCTURE FOR SHEET DRYING OR BAKING OVENS
James H. O'Neil, Syracuse, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application August 24, 1942, Serial No. 455,963
12 Claims. (Cl. 34—150)

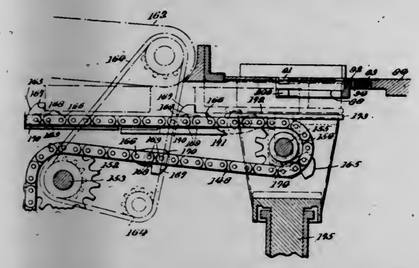


1. In an oven structure of the character described wherein are provided means including chamber flanking walls defining a longitudinal chamber, means for conveying sheets through the chamber and holding them disposed uprightly and transversely of the chamber in generally parallel spaced relation, means for directing treating air across the path of travel of the sheets, baffle wall structures coextensive at least in depth with the depth of the uprightly travelling sheets and supported uprightly in the chamber in close generally parallel proximity to and beside edge portions of said uprightly travelling sheets, and means closing the spaces intervening the baffle wall structures and said chamber flanking walls so as to cause the treating air to pass through between the sheets and not short circuit about edge portions thereof.

2,362,848
CAN CLOSING MACHINE
Paul E. Pearson, Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application September 19, 1940, Serial No. 357,459
6 Claims. (Cl. 113—115)

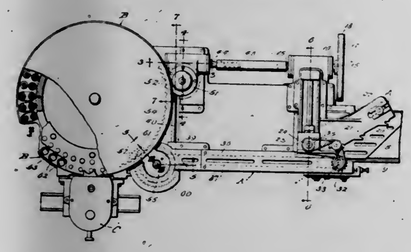
1. In a can closing machine, an indexed turret having pockets in its periphery, means for supporting can covers in the pockets of said turret, and means for feeding filled cans into the turret

pockets beneath said covers and including a feed chain, equidistantly spaced feeder lugs pivotally mounted on said chain and movable into and out of effective feeding relation to the filled cans, and track members directly engaged by said lugs and normally effective for holding the lugs in position for feeding engagement with the filled cans and including lug release portions so spaced with



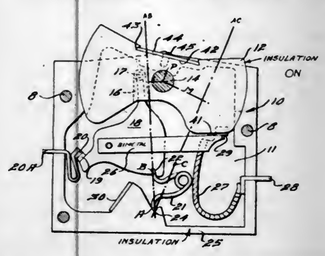
relation to the turret as to cause the lugs to move out of feeding contact with filled cans as they become seated in the turret pockets, said lugs having apertures therein and said chain having pins projecting into the apertures and of lesser diameter than said apertures so as to be freely movable in said apertures and yet effective to limit pivotal movement of said lugs.

2,362,849
CROWN CAP CONVEYER
Paul E. Pearson and Carl E. Magnus, Chicago, Ill., assignors to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Original application March 6, 1941, Serial No. 382,056, now Patent No. 2,326,675, dated August 10, 1943. Divided and this application March 8, 1943, Serial No. 478,412
2 Claims. (Cl. 198—20)



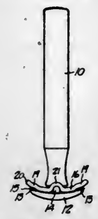
1. In crown cap conveyer means, a wide conveyer belt on which caps are fed side by side, a second conveyer belt having a flight disposed transversely over said wide belt for intercepting caps fed by said wide belt and moving them laterally over said wide belt to one side thereof, a narrow belt disposed to receive caps fed laterally on said wide belt and convey them single file away from said wide belt, and a diverter wall extending continuously and diagonally across the full width of the wide belt in advance of said second conveyer flight and a distance thereabove slightly greater than the thickness of a crown cap thereby to be effective to directly contact and strip off laterally any caps being conveyed by the wide belt in superposed relation.

2,362,850
MULTIPOLAR CIRCUIT BREAKER
Elwood T. Platz, Detroit, Mich., assignor to Bulldog Electric Products Company, Detroit, Mich., a corporation of West Virginia
Application March 8, 1943, Serial No. 478,351
22 Claims. (Cl. 200—116)



17. A multipolar circuit breaker comprising a pivotally mounted carrier, a plurality of independent contactors independently pivoted thereon and also independently interlatched therewith, and a plurality of independent biasing springs independently engaging and biasing the contactors, each spring being arranged to bias its own contactor and the carrier interlatched therewith and the remaining contactors interlatched with the carrier, when the latches hold, in a circuit closing direction, and, when its latch releases, to bias its own contactor, and the carrier, and the remaining contactors still latched to the carrier, in an opposite or circuit opening direction, each spring, on release of its latch, first biasing its contactor to move relative to the carrier in the circuit opening direction, and then crossing the pivotal mounting of the carrier, and then biasing the carrier in the circuit opening direction, thereby to shift the springs of the remaining contactors out of the position wherein they exert circuit closing bias and into a position wherein they exert circuit opening bias, these then biasing the other contactors, as well as the carrier, to move in the circuit opening direction, the carrier being manually accessible so as to be shifted, with its springs and its contactors latched thereto, to shift the springs across the contactor pivots whereby the contactors move to and from circuit opening and closing positions.

2,362,851
SAFETY RAZOR
Joseph F. C. Przybysz, South Bend, Ind.
Application January 7, 1944, Serial No. 517,384
8 Claims. (Cl. 30—70)



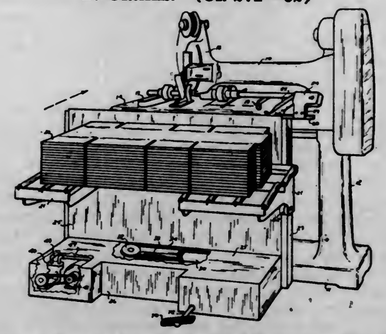
3. In a razor, the combination with an outer curved blade-engaging plate and a handle detachably secured thereto, of an inner blade-engaging plate clamped between said outer blade and handle and including a central blade-engaging portion of substantially the same curvature and width as said outer plate and an integral U-shaped laterally projecting guard whose leg portions at the corners of said plate are bent relative to said central portion in inwardly spaced relation to the side edges of said central portion.

2,362,852
PORTABLE CONTAINER
Daniel E. Spaulding, Syracuse, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application August 13, 1942, Serial No. 454,697
2 Claims. (Cl. 220—92)



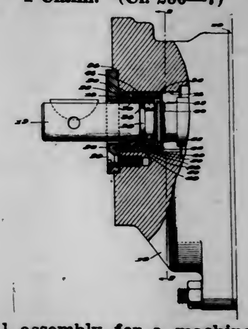
1. The combination with a container having a side wall, a top wall, and an outside seam connection between said walls, said connection projecting outwardly beyond said side wall, and said top wall being disposed below the top of said seam to provide a depression surrounded by said seam; of a bail type carrying means comprising two bail anchors secured to said container at opposite sides thereof respectively, and a bail hinged at its opposite ends to said anchors, each of said anchors comprising two attaching portions respectively engaging the bottom, outside, top, and inside faces of said seam at points spaced circumferentially of said seam, one of said attaching portions having extended therefrom a horizontal portion disposed within said depression and in contact with the inside face of said seam, and the other of said attaching portions having extending therefrom a horizontal portion projecting away from said inside face of the seam, said two horizontal portions merging in an eye substantially in a plane radial with respect to the container, opposite ends of said bail respectively being looped through the anchor eyes.

2,362,853
LIFT DEVICE
William R. Spiller and John F. Haunty, Dayton, Ohio, assignors to Harris-Seybold-Potter Company, Cleveland, Ohio, a corporation of Delaware
Application April 6, 1942, Serial No. 437,754
17 Claims. (Cl. 271—62)



17. In a lift device of the character described which comprises a lift table for receiving a pile of sheets, a hydraulic motor for raising said lift table as the sheets are fed from the top of the pile, said sheets being folded upon themselves as they are fed from the top of the pile, a feeler arm for engaging the top of said pile at the portion of the sheet to be folded and sensing the level thereof, means for mounting said feeler arm providing for withdrawal thereof from the vertical projection of the pile in response to preliminary folding movement of the portion of the sheet being folded, and means for controlling the operation of said motor in response to said feeler arm to maintain a substantially constant level of the top of said pile.

2,362,854
ROTARY SEAL ASSEMBLY
William T. Stephens, Cleveland, Ohio, assignor to Hydraulic Control Engineering Company, Cleveland, Ohio, a corporation of Ohio
Application December 4, 1942, Serial No. 467,889
1 Claim. (Cl. 286—7)

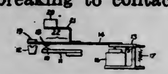


In a seal assembly for a machine having a rotating shaft extending through a wall of a housing, a seal seat member loosely fitting on the shaft and within the wall of the housing, said seat member having a peripheral groove therein of rectangular cross section, a rubber-like seal ring of circular cross-sectional area with a diameter greater than either dimension of said groove disposed within the peripheral groove of the seat member and bearing against the housing to resist relative rotation, a seal sleeve extending over the shaft, said seat member and said sleeve having contacting and relatively rotating seal faces, said shaft having a peripheral groove opposite the said sleeve of rectangular cross-section, a rubber-like seal ring of circular cross-sectional area with a diameter greater than either dimension of said groove disposed within the peripheral groove of the shaft and arranged to bind the said sleeve thereto, means keying the sleeve against rotation relative to the shaft, an abutment engaging the keying means and a spring compressed between the abutment and the sleeve to force the relatively rotating seal faces together.

2,362,855
ELECTRIC SWITCH
Allen G. Stimson, Marblehead, Mass., assignor to General Electric Company, a corporation of New York
Application November 22, 1941, Serial No. 420,107
10 Claims. (Cl. 200—166)

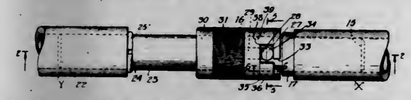
9. An electric contact making and breaking device comprising cooperating switch contacts, a contact arm movably mounted at one end to control one of said contacts, an inertia member having a substantial mass in relation to the mass of said arm, means including resilient means be-

tween said inertia member and said arm for mounting said inertia member upon said arm for appreciable free arcuate movement with respect to said arm, and means for simultaneously moving said contact arm and said inertia member from contact breaking to contact making posi-



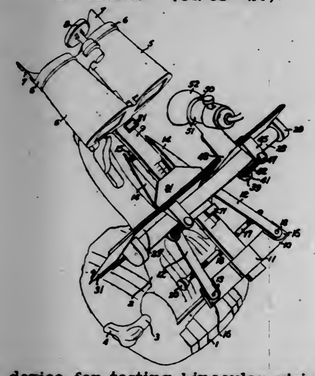
tions, said resilient means permitting continued movement of said inertia member relative to said arm after said contacts are engaged thereby to convert the kinetic energy of said member and said arm into elastic strain having no substantial tendency to reopen said contacts.

2,362,856
COAXIAL COUPLING
Kenith G. Strunk, East Orange, and Roger S. Barr, Denville, N. J., assignors to Breeze Corporations, Inc., Newark, N. J., a corporation of New Jersey
Application January 15, 1943, Serial No. 472,530
9 Claims. (Cl. 287—104)



1. A co-axial coupling having laterally intersecting end elements capable of one being completely passed laterally through the other, releasable means to retain said elements in engagement, said means including an elongated nib on one element, a sleeve movable on the other element and having a bayonet slot to engage the end portion of said nib, and a spring clasp mounted circumjacently on said sleeve to lock said nib within the bayonet slot when said elements are in engagement.

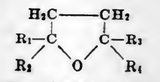
2,362,857
STEREODISPARATOR
Samuel Renshaw, Columbus, Ohio, assignor to The Ohio State University Research Foundation, Columbus, Ohio, a corporation of Ohio
Application December 22, 1941, Serial No. 424,001
15 Claims. (Cl. 88—20)



1. A device for testing binocular vision comprising an attachment for a standard optical instrument, said attachment including a support on which is slidably mounted a picture holder carrying a pair of spaced pictures, said pictures representing the stereoscopic complements of one another and adapted to be viewed through said optical instrument, and means on the support coacting with said holder and said pictures for automatically and simultaneously moving said pictures with respect to one another when said holder is moved along said support, said last-named means including means for moving the pictures longitudinally of the line of sight and for simultaneously moving them transversely away from or toward each other as they are moved respectively away from or toward the viewer in a longitudinal direction.

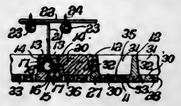
2,362,858
SOLVENTS FOR ORGANIC FILM-FORMING MATERIALS
Walter Reppe and Otto Hecht, Ludwigshafen-on-the-Rhine, and Fritz Oschatz, Mannheim, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application May 17, 1941, Serial No. 393,929. In Germany February 18, 1938
5 Claims. (Cl. 260—29)

1. A composition of matter comprising an organic film-forming resinous formaldehyde condensation product dissolved in a compound of the formula



wherein R_1, R_2, R_3 and R_4 each represent a substituent selected from the group consisting of hydrogen and methyl.

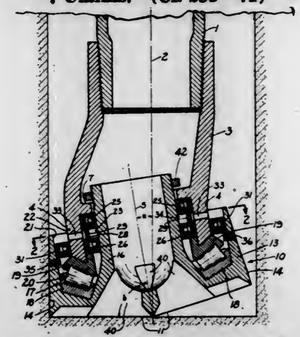
2,362,859
ACOUSTICAL BUILDING ELEMENT
Maurice C. Rosenblatt, Philadelphia, Pa.
Application December 31, 1940, Serial No. 372,555
3 Claims. (Cl. 72—18)



1. An acoustic tile comprising an integral monolithic structure having a rigid facing portion defined by an outer and an intermediate surface and having a plurality of substantially evenly spaced apertures extending in relatively perpendicular rows from one surface to the other in such number and even distribution throughout the portion as to transmit substantially all sound energy incident upon the portion to the interior of the structure, a plurality of rigid ribs arranged in a grid and each merging integrally into the intermediate surface of the facing portion and having its outer free end lying in an inner surface plane parallel to the outer surface and common to all ribs, each rib having a base thinner than and being disposed in the spacing between adjacent rows of apertures and out of registry with all of said apertures while maintaining the eveness of the pattern of distribution of said apertures, each rib tapering inwardly to an edge appreciably thinner than the base thereof and of a length from said intermediate surface more than three times the thickness of said rib base, adjacent ribs being spaced apart a distance far greater than the spacing between rows of apertures so that mutually intersecting ribs in the grid, form with enclosed areas of facing portion

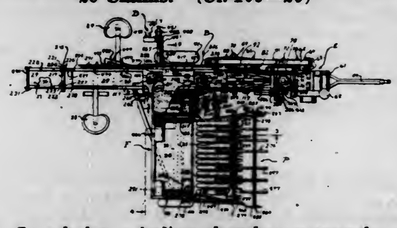
containing a plurality of apertures, a plurality of resonating inwardly flared chambers, a plurality of batts of sound-absorbing material disposed in the respective chambers and the whole so constructed and arranged that sound energy entering the plurality of apertures is reflected and refracted therein and by and between said material and said ribs to such degree that a high absorption of energy is attained by said chamber without undue depth of sound absorbing material.

2,362,860
EARTH BORING ROCK BIT
Allen M. Rossman, Wilmette, Ill.
Application December 22, 1941, Serial No. 423,979
7 Claims. (Cl. 255—71)



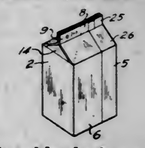
1. A rotary bit and bearing assembly for earth boring drills comprising a cutter, a rotatable bit head terminating adjacent the cutter, a thrust bearing between the cutter and the head, gasketing means between the head and the cutter on one side of the bearing, gasketing means between the head and the cutter on the opposite side of the bearing whereby both of the gasketing means seal the bearing, and means for equalizing the pressure on the side of each gasketing means outwardly of the bearing.

2,362,861
BALER
Stanley D. Russell, Racine, Wis., assignor to J. I. Case Company, Racine, Wis., a corporation
Application April 19, 1941, Serial No. 389,396
20 Claims. (Cl. 100—20)



1. In a baler, a baling chamber, means for dividing material being compressed in the chamber including a slotter finger positioned to be inserted into the chamber to provide a pathway for a binding element for binding a bale formed in said chamber, holding means for supporting the finger and adapted to insert the finger into the chamber to be baled into and to move therealong with the material being baled, a trip connected to control the holding means for predetermining the time of insertion of the finger, and means associated with the baling chamber for loosening the finger from the compressed material incident to its movement therewith, preparatory to reinsertion of said finger in the chamber.

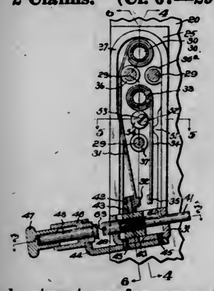
2,362,862
PAPER CONTAINER FOR FLUID
Melvin H. Sidebotham, Newton, Mass., assignor of one-half to Harlow M. Russell, Chelsea, Mass.
Application July 15, 1942, Serial No. 451,028
5 Claims. (Cl. 229—37)



1. A rectangular blank for paper containers having crease lines and recesses fashioned therein, comprising, three longitudinal crease lines substantially parallel with opposite longitudinal margins, the first longitudinal crease line lying in close proximity to one of the longitudinal margins, the second longitudinal crease line defining the division between the top of side wall sections and the bottom of top closure sections; four parallel crease lines lying transversely of the blank and intersecting the longitudinal crease lines, the first, second, third and fourth transverse crease lines being spaced to define five wall sections, each having an integral top closure section at one end; a crease line extending diagonally from the intersection of the second longitudinal crease line with the first transverse crease line to a point on the first longitudinal crease line between the first transverse crease line and the adjacent transverse edge of the blank; a crease line extending from the adjacent longitudinal edge of the blank to the junction point of the crease line, last above described, with the first longitudinal crease line; a crease line extending diagonally from the intersection of the second longitudinal crease line with the first transverse crease line to a point on the first longitudinal crease line midway between the first and second transverse crease line; a creased line extending diagonally from the intersection of the second longitudinal crease line with the second transverse crease line to a point on the first longitudinal crease line midway between the first and second transverse crease lines; a crease line extending from the first longitudinal crease line at a point midway between the first and second transverse crease lines to the center of a recess at the adjacent edge of the blank between the first and second transverse crease lines; a crease line extending diagonally from the intersection of the second longitudinal crease line with the second transverse crease line to a point on the first longitudinal crease line midway between the second and third transverse crease lines; a crease line extending from a point on the first longitudinal crease line, midway between the second and third transverse crease lines, to the adjacent edge of the blank; a crease line extending diagonally from the intersection of the second longitudinal crease line with the third transverse creased line to a point on the first longitudinal crease line midway between the third and fourth transverse crease lines; a crease line extending diagonally from the intersection of the second longitudinal crease line with the fourth transverse crease line to a point on the first longitudinal crease line midway between the third and fourth transverse crease lines; a crease line extending from a midpoint on the first longi-

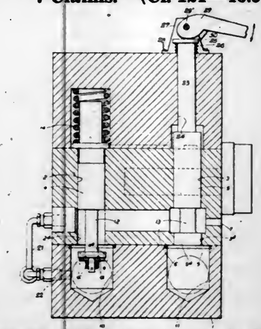
tudinal creased line, between the third and fourth transverse crease line, to the adjacent edge of the blank.

2,362,863
PHOTOFLASH SYNCHRONIZING DEVICE
Joseph A. Sprague, Honeoye Falls, and Benjamin D. Chamberlin, Rochester, N. Y., assignors to The Folmer Graflex Corporation, Rochester, N. Y., a corporation of Delaware
Application November 18, 1942, Serial No. 465,954
2 Claims. (Cl. 67—29)



1. A switch structure for operating a photographic shutter-release member, comprising a housing shaped so as to be attachable flatwise, lengthwise to the face of the lens board of a camera closely adjacent the shutter thereof in operable proximity to the shutter release member; said housing comprising a plate-like base member **25** attachable flatwise to the face of such lens board, and a lower box-like member **27** positionable flatwise against said base member and also an upper cover-like member **28** receivable upon said lower member **27**; screw-like means **29** for securing said upper and lower members **27, 28** in position upon said base member **25**; said members **27, 28** having tubular contact plug members **30, 33** positioned transversely therein to receive electrical wiring plugs; an elongated spring-arm contact member **31** of an electric circuit mounted in said housing upon said contact plug member **30** and extending lengthwise of and within the lower member **27** of the housing; a second co-acting, elongated, spring-arm, contact member **34** mounted in said housing upon said contact plug member **33** and extending lengthwise of and within said housing member **27** in general parallelism with said member **31**, said spring-arm contact members **31, 34** having contact points **32, 35** at their free end portions in proximity to each other; the said housing at the end thereof nearest the terminal points of said spring-arm contact members having a box-like portion **38**; a slide member **40** mounted in said box-like portion **38** for sliding movement therein transverse to the lengthwise extent of said housing members **27, 28** and having a laterally-extending contact-operating pin-like member **42** to engage said spring-arm contact member **31**, thereby to move the same into engagement with said spring-arm contact member **34**; a shutter release member operating rod **41** threaded for lengthwise adjustment in and extending lengthwise through said slide member **40** into proximity to the shutter release member of the shutter; means for imparting lengthwise operating movement to said operating rod **41** and to the slide member **40** wherein the said rod **41** is mounted, thereby to close the contacts of said spring-arm contact members **31, 34**; and means for adjusting the time at which said spring-arm contact members **31, 34** make electrical contact, such means including a stop formation in the housing member **27** engaging the outer face of the spring-arm contact member **34** between the ends thereof, a rotatably adjustable eccentric part **54** mounted in said housing member **27** in position to contact with the opposite face of the said spring-like contact member **34** so as to flex the same against said stop formation, and thereby to vary the time at which said contact members **31, 34** make electrical contact.

2,362,864
CONTROL VALVE FOR HYDRAULIC PRESSES
John Maurice Towler, Yorkshire, England
Application March 30, 1942, Serial No. 436,823
In Great Britain March 7, 1941
7 Claims. (Cl. 121—46.5)

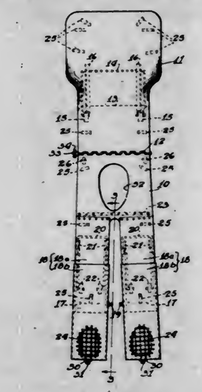


5. A valve mechanism for controlling the flow of pressure liquid to and from a hydraulic cylinder, comprising a housing having a bore, an inlet and an outlet respectively connected to a source of pressure liquid supply and to the hydraulic cylinder, passages connecting said inlet and said outlet to said bore to provide a communication between said inlet and said outlet for the flow of the pressure liquid to the cylinder, a plunger slidable in said bore and movable to a position for closing said communication, through the bore, in response to a predetermined increase in the pressure of the liquid, a non-return valve carried by said plunger for permitting continued flow of the pressure liquid to the cylinder when the plunger moves to its closed position; said non-return valve automatically moving to a closed position to interrupt the supply of pressure liquid to the cylinder when the desired maximum pressure is attained therein, and a passage of restricted area to permit the pressure liquid to escape slowly from the hydraulic cylinder past the plunger and the non-return valve to exhaust while said plunger and said non-return valve are in their closed position.

2,362,865
MANUFACTURE OF AROMATIC ESTERS
Sager Tryon, Elmhurst, and William S. Benedict, New York, N. Y., assignors to General Chemical Company, New York, N. Y., a corporation of New York
Application July 18, 1941, Serial No. 402,964
18 Claims. (Cl. 260—463)

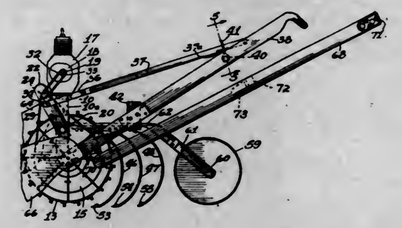
1. The process for the manufacture of a diaryl carbonate, which comprises reacting phosgene with at least one phenol containing as a promoting agent an amphoteric metal phenate in an amount corresponding to not more than 0.2 equivalent weight of the metal per phenoxy radical weight present.

2,362,866
UNIVERSAL SPLINT
Charles B. Ulrich, Jamestown, N. Y.
Application October 8, 1942, Serial No. 461,284
5 Claims. (Cl. 128—85)



1. A splint structure including in combination a substantially flat base plate of sheet material for supporting a patient, said base plate having rigid leg extensions projecting from one of its ends and substantially in the plane of said base plate, leg supports of flat sheet material flexibly connected with said base plate and projecting therefrom over said leg extensions, each of said leg supports being rigid and restricted to substantially a single plane and having a length to support the entire extended leg and foot of a patient, each of said leg extensions being substantially shorter than the corresponding leg support, and means independently supporting each of said leg supports from the corresponding leg extension, each of said leg supports including two interengaging sections of flat sheet material longitudinally movable relatively to each other in substantially the same plane to adjust the length of the leg support, and means holding said sections in desired adjustment.

2,362,867
CULTIVATOR
Charles B. Ulrich, Jamestown, N. Y.
Application May 15, 1943, Serial No. 487,097
6 Claims. (Cl. 97—168)



1. In a walking cultivator having supporting wheels and guiding handles, the combination of a bent metal bar comprising an inverted U-shaped main frame having downwardly extending side legs supported by the wheels of the cultivator and for connection with the handles of the cultivator, said legs being outside of said wheels, the mid-portion of said U-shaped frame being higher than and extending over said wheels laterally of the cultivator, and a sub-frame including bent metal bars carried by said main frame between said wheels and providing a cultivator bar support between said wheels and in a horizontally disposed plane below the tops of said wheels, said sub-frame comprising two side sections laterally spaced from each other and rigidly secured to said main frame and a removable mid-section for bridging the space between said side sections, and readily removable devices connecting said mid-section with said side sections, whereby with said mid-section connected with said side sections a continuous support for cultivator bars is provided between said wheels and having a vertical plant clearance from the bottom of said sub-frame to the ground and with said mid-section removed a central vertical and increased plant clearance is provided from the mid-portion of said U-shaped main frame to the ground.

2,362,868
BLOWER WHEEL BLADE CONSTRUCTION
Walter L. Upson, Litchfield, Conn., assignor to The Torrington Manufacturing Co., Torrington, Conn., a corporation of Connecticut
Application May 18, 1943, Serial No. 487,455
10 Claims. (Cl. 230—134)

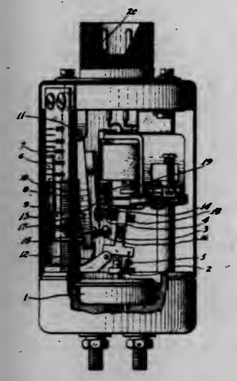


1. In a centrifugal wheel of the general type described, a plate provided with a plurality of integral, peripherally projecting strips; each of said strips being folded along a line substantially corresponding to the outer margin of the plate and further folded along a line lying substantially at an acute angle to the margin of the plate, with each of said strips, when formed, projecting at substantially a right angle to the plane of the plate, and a further wheel element assembled in supporting relation to the free ends of the strips, whereby the strips serve as blades bridging said element and the plate.

2,362,869
ELECTRICAL SWITCH
Kenneth L. Wade, New York, N. Y., assignor to Baker & Co. Inc., Newark, N. J., a corporation of New Jersey
Application January 20, 1944, Serial No. 519,043
5 Claims. (Cl. 200—83)

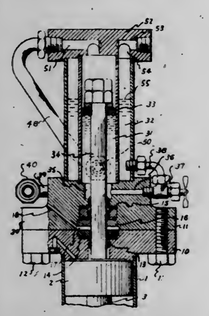
1. In a switch of the class described, in combination, a pressure sensitive device that is deflected by variations in pressure, means for imparting a proportionate displacement to one electrical contact of the switch, means for setting the relative position of the other electrical contact of the switch so that the two will engage to close an electrical circuit when the pressure operating the switch reaches a predetermined value, said setting means comprising a bar that is rotatively mounted at one of its ends and carries the settable contact near its other end, a setting element movable in a direction substantially parallel to the length of the bar and an adjusting member carried by said setting element, said adjusting member being in slidable contact with

the bar and movable in a direction substantially perpendicular to the length of the bar, whereby



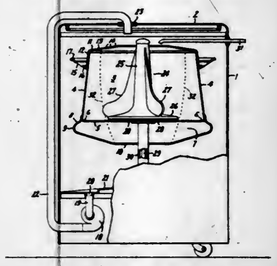
the bar and settable contact are angularly displaced by movements of either the setting element or the adjusting member.

2,362,870
FEED CONTROL
Loyd A. Ward, Jackson, Mich., assignor to Tomkins-Johnson Company, Jackson, Mich., a corporation of Michigan
Application December 6, 1940, Serial No. 368,781
7 Claims. (Cl. 188—94)



1. A device of the character described for controlling the rate of movement of a resiliently moved member, comprising a hydraulic cylinder, a cooperating piston arranged for movement in said cylinder, a rigid connection between said piston and said member, whereby said member moves said piston, a jacket about said cylinder defining therewith a reservoir for hydraulic fluid, hydraulic fluid passages between said cylinder and reservoir for maintaining hydraulic fluid on both sides of said piston at all positions thereof and hydraulic fluid passages for controlling the rate of movement of said piston and through it the rate of movement of said member, and means for directing the pressure of compressed air on the hydraulic fluid in said reservoir to force the hydraulic fluid into said cylinder and to maintain the hydraulic fluid in said cylinder under pressure to reduce the size of air or the like bubbles therein.

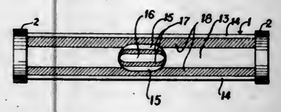
2,362,871
WASHING MACHINE AND METHOD
George W. Wardwell, Jr., Nichols, Conn., assignor to General Electric Company, a corporation of New York
Application February 21, 1940, Serial No. 320,057
3 Claims. (Cl. 8—158)



1. In a washing machine, a rotatable tub for receiving clothes to be rinsed and centrifugally dried having side walls provided with centrifugal discharge openings in the region of greatest diameter, walls on the tub extending radially inward of said discharge openings for retaining an annular layer of liquid on said side walls during extracting and for providing a chamber outside the tub and radially outward of said discharge openings for receiving liquid discharged from said openings, and a continuously open drain for the tub and chamber radially inward of said annular layer of liquid through which liquid in the tub and chamber drains when the tub is stationary.

3. The method of operating a washing machine having a spinner basket with walls for retaining an annular layer of liquid in the basket during centrifuging, said walls including a chamber having a part radially outside the basket and having a drain for the chamber radially inward of said part, which comprises charging the basket with clothes, adding rinse liquid and rotating the basket at a speed sufficient to centrifugally fill the chamber with liquid and to hold the clothes and liquid in an annular layer in the basket by centrifugal force, retarding the basket to drain the chamber, and then rotating the basket to centrifugally discharge into the chamber the liquid remaining in the clothes.

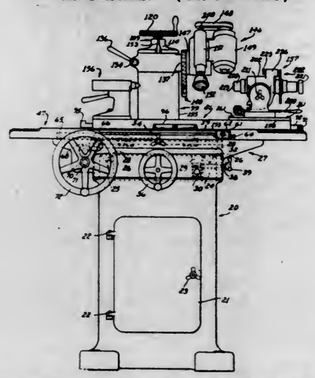
2,362,872
SPIRIT DEVICE
Lawrence T. Weagle, Oakmont, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application March 6, 1943, Serial No. 478,299
2 Claims. (Cl. 33—211)



1. A spirit level comprising an elongated container closed at opposite ends, a liquid partially filling said container leaving a bubble volume therein, a luminescent material coating one side of, extending lengthwise of, and visible through said container, a pair of opaque guide lines extending lengthwise of said container, said guide lines being sufficiently separated to provide elongated images thereof visible along the entire

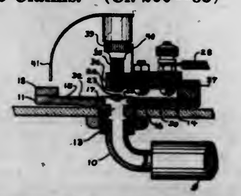
length of said container and separate images in said bubble volume, said luminescent material being visible between said separate images and between each of said separate images and said elongated images.

2,362,873
GRINDING MACHINE
Walter G. Wessman, Bridgeport, Conn.
Application February 2, 1940, Serial No. 317,000
32 Claims. (Cl. 51—123)



1. In a grinding machine, a base having a guideway therein, a support, a guide block on said support and entering said guideway for guiding movement of the support on the base, means for moving the support on the base, a bar rigid with said support, a clamping block on said base and having an opening through which said bar passes, said clamping block split from one edge through said opening, means for forcing together the split portions of said clamping block to have the latter grip the bar and secure it and the support against movement on the base, and said clamping block split in its portion at the top side of said bar whereby as said split portions are forced toward one another the guide block is forced into the guideway.

2,362,874
DIAPHRAGM SWITCH
George G. Wiley, Chicago, Ill., assignor to Streeter Amet Company, Chicago, Ill.
Original application February 19, 1940, Serial No. 319,667. Divided and this application September 18, 1942, Serial No. 459,947
5 Claims. (Cl. 200—83)



1. In a high speed counter a switch device responsive to short pneumatic impulses of varying intensity comprising in combination a housing, a substantially flat diaphragm in said housing of such light weight as to be moved by faint impulses, a passage in said housing to direct said impulses against said diaphragm, stationary and movable electrical contacts having a small contact gap between 0.004 and 0.009 of an inch, the movable contact being moved by said diaphragm, said stationary contact being adjustable toward and away from said movable contact, a support in said housing to prevent deflection of said diaphragm away from said stationary contact, said housing having a seat for loosely holding said diaphragm and leaving the margins thereof free so as not to cause permanent distortion of said diaphragm, thereby making it possible to maintain a uniform but small contact gap.

2,362,875
CASTING PROCEDURE
Eric H. Zahn, Pound Ridge, N. Y., assignor to Austenal Laboratories, Inc., New York, N. Y., a corporation of New York
Application June 3, 1943, Serial No. 489,425
3 Claims. (Cl. 22—200)



3. The method of making an article having a fine bore therein of a high-melting-point metallic alloy which is castable but too hard for drilling, which consists in casting the alloy in a refractory mold in which a drawn quartz filament is mounted in predetermined position to define the fine bore ultimately desired, and thereafter removing said filament from the casting by subjecting it to the dissolving action of a material which is unreactive toward said alloy, the high melting point of said quartz filament and its inherent strength and resistivity to heat shock serving to maintain the filament intact during the casting procedure, whereby the desired bore is accurately produced in the resultant article.

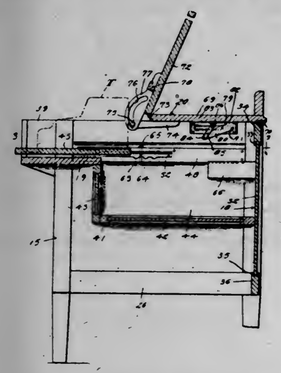
2,362,876
COATING COMPOSITION AND PROCESS FOR PREPARING THE SAME
Ladislaus Balassa, Flint, Mich., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 2, 1942, Serial No. 441,547
3 Claims. (Cl. 106—172)

1. The process of preparing paints, enamels and the like containing a pigment which forms a soft, readily redispersible sediment on standing which comprises mixing a solution of ethyl cellulose having an ethoxy content between about 43.5 and 50% with a coating composition containing a pigment, an oleoresinous film-forming agent and an organic solvent in which the said film-forming agent is dispersible but with which the said ethyl cellulose is incompatible thereby causing the said ethyl cellulose to be precipitated in situ in the form of a flocculent curd, said curd being present in amount between about .1 and 4% of the solids present.

2,362,877
TYPEWRITER DESK
William J. Bargen, Waukegan, Ill.
Application March 26, 1943, Serial No. 480,691
10 Claims. (Cl. 312—29)

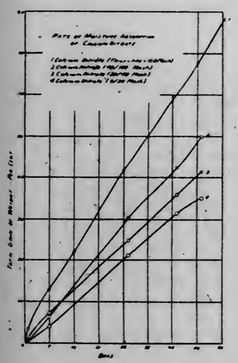
5. A desk comprising a body formed of opposite side walls, a rear wall, a top hinged to said rear wall, a horizontal wall secured between said side walls adjacent the upper portions thereof and projecting forwardly of said side walls, side wall extensions secured to the opposite sides of said

horizontal wall and extending upwardly therefrom, a pair of horizontal rails secured to the



inner sides of said side walls, a base board between said rails, and means pivotally and slidably supporting said base board between said rails.

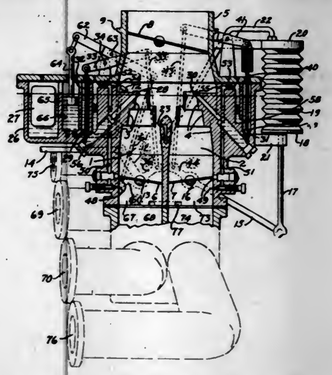
2,362,878
EXPLOSIVE
Leavitt N. Bent, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
Application August 20, 1941, Serial No. 407,512
10 Claims. (Cl. 52—11)



1. A blasting explosive comprising an admixture containing a liquid explosive nitric ester, a carbonaceous material, and calcium nitrate, said calcium nitrate characterized by being granular, free-flowing particles of a size that substantially all particles will be retained on a 100-mesh screen.

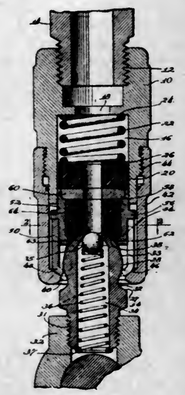
2,362,879
CARBURETOR
George M. Bicknell, St. Louis, Mo., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware
Application February 3, 1943, Serial No. 474,583
12 Claims. (Cl. 123—127)

1. In an internal combustion engine having a plurality of cylinder groups, separate intake conduits for supplying fuel mixture to said groups, a manually operated throttle valve for controlling one of said conduits, a throttle valve for another of said conduits, means responsive to the velocity



of flow through the manually controlled conduit for controlling the throttle in the other conduit, and a cross passage connecting said conduits posterior to said throttle valves.

2,362,880
COUPLER
Thomas Arthur Campbell, Chicago, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application October 24, 1942, Serial No. 463,158
1 Claim. (Cl. 285—169)



In a coupler of the class described, the combination of a tubular shell, a piston slidable in said shell and exposed to lubricant pressure, a spring for urging said piston in one direction, a deformable tubular sealing gasket movable with said piston, said sealing gasket adapted to be engaged by a head of lubricant receiving fitting to form a lubricant-tight seal therewith, a rigid housing enclosing said sealing gasket, said housing having an annular lower end engaging said gasket and limiting penetration of a fitting head into said housing, and gripping means for pulling a fitting head into said housing and against said lower end to effect sufficient distortion of said gasket to provide a seal.

2,362,881
APPARATUS FOR COATING TEXTILE HOSE
Duncan Edward Garmar Canney and Mark Balkin, Bentham, Lancaster, England, assignors to The Sillick Holding Company Limited, Newcastle-upon-Tyne, England
Application February 9, 1942, Serial No. 430,149
In Great Britain February 10, 1941
4 Claims. (Cl. 91—30)

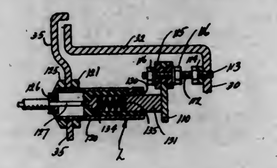


1. A device for applying a uniform coating agent to a normally flattened textile hose, which comprises a hollow, rearwardly open cylindrical plug for expanding the hose to rounded form, said plug constituting a container for the sealing agent, a thin circular spreader plate mounted immediately in rear of the plug with its plane at right angles to the axis of said plug, and spacing means connecting the plug and plate and maintaining the plate in positive alignment with the plug to define between them a narrow circumferential gap for egress of sealing agent contained in the plug, the radius of said plate being slightly smaller than the radius of said plug.

2,362,882
DETERGENT AND METHOD OF PRODUCTION
William F. Carson, Jr., Brunswick, Ga., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 18, 1942, Serial No. 451,507
2 Claims. (Cl. 260—105)

1. A salt selected from the group consisting of alkali metal, ammonium, and amine salts of a sulfation product of a pentaerythritol ester of a hydrogenated rosin, said ester having at least one free hydroxyl group in the molecule.

2,362,883
TIRE PRESSURE INDICATING SYSTEM
William Evan Cecil, High Point, N. C.
Application February 15, 1941, Serial No. 379,140
2 Claims. (Cl. 200—58)

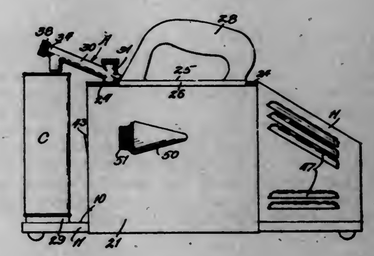


1. In an air pressure signalling system for pneumatic tires of vehicle wheels, the combination of a casing having a chamber therein, a flexible diaphragm located in said casing chamber so as to provide an air pressure compartment at one side thereof and a second compartment at the opposite side thereof, means for admitting air pressure to said air pressure compartment, adjustable spring means normally urging said diaphragm towards the air pressure compartment, said spring means being located in the said mentioned second compartment, and a pair of contacts in said second compartment one of which is fixedly carried by the casing and the other of which is connected for movement with said diaphragm whereby it will engage the first mentioned contact when the pressure falls below a predetermined amount.

2,362,884
PROCESS OF MAKING ALUMINUM COATED PAPER
John W. Clark, Westbrook, Maine, assignor to S. D. Warren Company, Boston, Mass., a corporation of Massachusetts
No Drawing. Application April 9, 1941, Serial No. 387,778
1 Claim. (Cl. 117—71)

Process of making an aluminum coated paper product simulating aluminum foil, which comprises coating a paper base with a mineral coating composition and calendering the coated paper base, applying to and spreading over the mineral coated and calendered paper base a layer of aqueous aluminum powder-containing coating composition containing substantially greaseless aluminum powder, a wetting agent for dispersing the aluminum powder and a water-dispersible protein adhesive, the weight ratio of adhesive to aluminum being from 15 to 35 parts adhesive to 100 parts aluminum, the layer of aluminum coating composition being of a thickness to add, when dried, from 1 to not more than 5 pounds of the adhesive-aluminum composition per ream to the weight of the paper, drying the coating, moistening the surface of the dried aluminum coated paper, and severely supercalendering the latter.

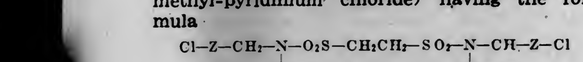
2,362,885
ATOMIZING APPARATUS
Llewellynn J. Clark and William F. Goosmann, Grand Rapids, Mich., assignors to The Tanglefoot Company, Grand Rapids, Mich., a corporation of Michigan
Application September 14, 1942, Serial No. 458,226
9 Claims. (Cl. 299—87)



1. A unitary atomizing structure comprising a horizontal boiler having flue passageway therethrough, a blow torch located to direct flame under pressure through said flue passageway for the generation of steam in said boiler, a support for a container of liquid to be atomized, a nozzle element having connection with the boiler outlet and connection with the interior of the container, through which nozzle element the steam flows under pressure to draw fluid out of said container for atomizing and spraying thereof, and means for directing the heat outflow from said flue passageway against said nozzle element for direct heating thereof.

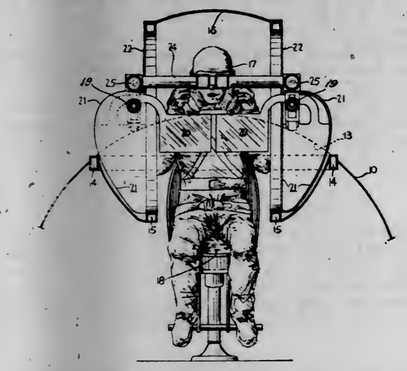
2,362,886
DISULPHONAMIDES HAVING QUATERNARY AMMONIUM SALT GROUPS
Donald Drake Coffman and John Carl Sauer, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 1, 1940, Serial No. 349,253
1 Claim. (Cl. 260—295)

Ethane-1,2-bis - (N - octadecylsulphonamidomethyl-pyridinium chloride) having the formula



wherein the Z's are pyridinium radicals attached through nitrogen to the remainder of the molecule.

2,362,887
GUN TURRET
Alfred Corte, Glendale, Calif., assignor, by mesne assignments, to Lockheed Aircraft Corporation, a corporation of California
Application May 16, 1940, Serial No. 335,482
14 Claims. (Cl. 89—37.5)

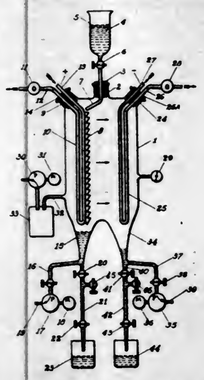


1. In combination a gun mount having at least two guns spaced apart and connected to be aimed in unison, an optical sight therefor, comprising a binocular telescope mounted in alignment with said guns to move as a unit therewith, said binocular telescope having its objectives each adjacent to and aligned with one of said guns to provide a wide base line for sighting past relatively near obstacles in the direct field of view and constrained to move with its respective gun during all aiming movements thereof.

2,362,888
METHOD FOR THE PRODUCTION OF A RESINOUS MATERIAL
Richard F. B. Cox, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 9, 1942, Serial No. 442,365
2 Claims. (Cl. 260—97)

1. The method of producing a resinous material which comprises heating a reaction mixture consisting of a rosin ester, an alkaline earth metal, and an inert solvent at a temperature of between about 80° C. and about 200° C. for a period of from about 0.5 hour to about 8 hours.

2,362,889
DISTILLATION DEVICE AND PROCESS
William Austin Darrah, Chicago, Ill.
Application February 5, 1942, Serial No. 429,624
5 Claims. (Cl. 202—52)

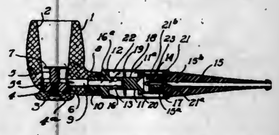


5. The process of accelerating molecular distillation by causing a flow of molecules to be torn from the surface of the flowing electrode and travel under the acceleration of a direct current electrical field through an evacuated space from an area of smaller radius of curvature, from a warm portion of liquid being distilled to an area of larger radius of curvature on a colder zone of distillate.

2,362,890
VISCOUS HYDROCARBON OILS
Melvin A. Dietrich, Claymont, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 22, 1942, Serial No. 462,991
19 Claims. (Cl. 252—47)

1. A viscous hydrocarbon oil having incorporated therein a small proportion, sufficient in amount to substantially inhibit absorption of oxygen by the oil, of an aliphatic amine salt of thiocyanic acid.

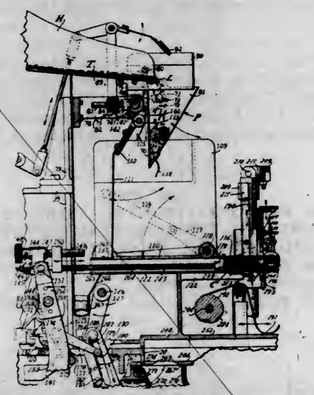
2,362,891
SMOKER'S PIPE
Milton S. Dunkelberger, Dayton, Ohio, assignor to The American Display Company, Dayton, Ohio, a corporation of Ohio
Application April 26, 1940, Serial No. 331,862
2 Claims. (Cl. 131—210)



1. In a smoking device of the class described including a bowl terminating in a stub stem-like portion, said bowl being provided with a tobacco chamber and a passage from the chamber through the stem-like portion, said stem-like portion terminating in a socket portion, and a mouthpiece provided with a longitudinal passage, the combination including a connecting unit having one end provided with a cylindrical portion engaging the socket in the stem-like portion, said connecting unit being provided with a plurality

of peripherally disposed annular channels, two of which are separated by a washer-like baffle portion, and a sleeve overlying the connecting unit so as to form a covering for the channels to form smoke cooling chambers, the ends of the connecting unit being provided with passages, one of which registers with the passage in the stem-like portion, the other communicating with the passage in the mouthpiece, said passages extending into and from separate smoke cooling chambers so as to cause the smoke to flow through a tortuous path in passing from the bowl to the mouthpiece.

2,362,892
CIGAR BUNCH FORMING MECHANISM
James P. Durning, St. Albans, N. Y., assignor to International Cigar Machinery Company, a corporation of New Jersey
Original application March 1, 1938, Serial No. 193,244. Divided and this application June 17, 1942, Serial No. 447,320
3 Claims. (Cl. 131—44)



1. In a cigar machine provided with a weighing device, and means for feeding tobacco to said device, a charge compression chamber positioned to receive tobacco from said device, plunger means movable in said chamber between inner and outer limits of movement for compressing charges of tobacco to a predetermined density, a pivoted trap door normally closing said chamber against uncontrolled introduction of tobacco from said device into said chamber, means for moving said trap door to open said chamber for introduction of tobacco thereinto and to coact with said device for discharging a weighed charge of tobacco from said device, a distributing plate operable substantially simultaneously with said trap door for distributing tobacco in said chamber, a suction waste receiving duct adjacent the rear of said chamber, and means operating when said plunger means is located at its outer limit of movement for intermittently applying suction in said duct to draw off waste particles from the rear of said chamber.

2,362,893
SOLDER
George Durst, Attleboro, Mass., assignor to Metals & Controls Corporation, Attleboro, Mass., a corporation of Massachusetts
Application April 4, 1942, Serial No. 437,659
2 Claims. (Cl. 29—180)

1. A composite metal solder composed of a plurality of separate metal constituents, one of said constituents being selected from the group consisting of silver, and alloys of silver containing: zinc approximately 5–25%, cadmium approximately 5–25%, copper not substantially in excess of 30%, and tin not substantially in excess of 10%, said constituent being not substantially thicker than .005 of an inch, and another of said constituents being selected from the group con-

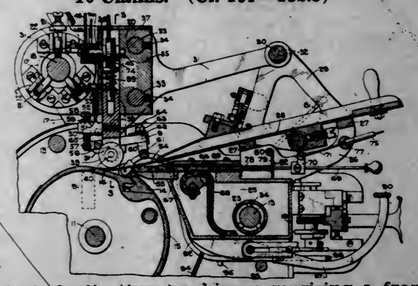


sisting of tin, cadmium, and alloys thereof containing: antimony not substantially in excess of 15%, lead not substantially in excess of 10%, bismuth not substantially in excess of 10%, and zinc not substantially in excess of 50%, said alloys containing not substantially less than 50% of at least one metal selected from the group consisting of tin and cadmium; said other constituent constituting approximately 8–35% by weight of the solder.

2,362,894
WETTING-OUT COMPOSITIONS
Albert K. Epstein and Morris Katzman, Chicago, Ill., assignors to The Emulsol Corporation, Chicago, Ill., a corporation of Illinois
No Drawing. Original application September 9, 1938, Serial No. 229,094. Divided and this application March 12, 1941, Serial No. 382,931
6 Claims. (Cl. 252—356)

3. Wetting-out compositions comprising a member selected from the group consisting of caprylic acid mono-esters of triethanolamine and salts thereof, and including a lesser proportion of a fatty acid partial ester of a member selected from the group consisting of glycerol and glycols, the fatty acid radical of said partial ester containing from 6 to 18 carbon atoms.

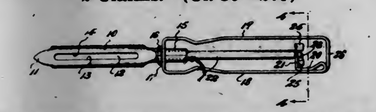
2,362,895
DUPLICATING MACHINE
Frank Ronald Ford, Sparkbrook, Birmingham, England
Application December 11, 1941, Serial No. 422,501
In Great Britain July 23, 1941
10 Claims. (Cl. 101—132.5)



9. A duplicating machine comprising a frame in which is mounted a cylinder having means for attaching a master sheet thereto, a guide carried by the frame, said guide being parallel to the cylinder axis, a carriage mounted on and movable along the guide, a box associated and moving with said carriage, a plurality of stems slidably mounted in said box, a pressure roller for cooperating with the cylinder mounted on each stem, springs associated with said box tending to move each of said rollers away from the cylinder, a cam in said box for each of said stems for displacing it towards the cylinder, a tray on said carriage for copy sheets, a plurality of moistening members on the carriage individually mov-

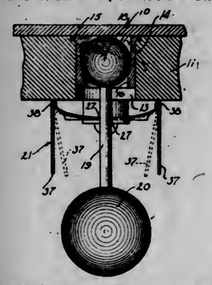
able into and out of an operative position, motion transmitting, and means connecting each of said cams with a moistening member means in said box for each of said stems for displacing it towards the cylinder, said carriage being in two parts pivoted together, one part carrying the moistening means and the tray, and the other part including the box and the parts associated therewith.

2,362,896
VEGETABLE PEELER
Homer Gamache, Newark, N. J., assignor of one-half to James V. Finaldi, Newark, N. J.
Application January 13, 1944, Serial No. 518,077
2 Claims. (Cl. 30—279)



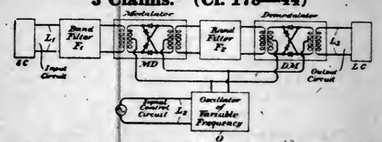
1. A vegetable peeler comprising a blade body having a journal means extending axially from its rear end, said journal means terminating in an angularly bent stop arm, a handle member comprising a strip of material doubled upon itself to provide a transverse front end bearing portion and laterally spaced longitudinal side portions extending rearwardly therefrom, an end part of one of said side portions being inwardly doubled back upon itself to provide a bracket extension, said bracket extension terminating in a transversely disposed internal bearing portion, said blade body journal means being journaled in and between said front end and internal bearing portions, and said internal bearing portion having stop lugs angularly extending therefrom respectively adjacent opposite sides of the axis of said blade body journal means and disposed in the path of movement of said stop arm, whereby to limit swinging movements of the latter and thus to limit oscillation of said blade body about its axis.

2,362,897
SIGNAL APPARATUS
Fred W. Gehring, Villa Park, Ill.
Application April 2, 1942, Serial No. 437,346
2 Claims. (Cl. 200—52)



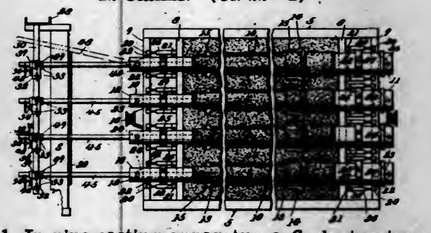
1. In a theft alarm system of the character using a universally mounted pendulum depending from a surface of an assembly to which the system is attached, an apertured contact member mounted on said surface for releasable adjusting movement thereacross and in a position whereby the aperture receives a universally depending portion of the pendulum, said contact member having an arcuate cross section and protuberances for engaging said surface with spring engagement and means for distorting the arcuate cross section of said contact member to temporarily withdraw said protuberances from engagement with said surface to afford free movement thereof over said surface.

2,362,898
SIGNAL TRANSMISSION SYSTEM
George W. Gilman, Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 18, 1942, Serial No. 435,235
3 Claims. (Cl. 178—44)



1. A signal transmission system for transmitting a frequency band having its width varied in accordance with signals, comprising a source of alternating current, a source of signals, means for varying the frequency of said alternating current in accordance with said signals, a source supplying a substantially continuous band of frequencies having a predetermined constant width, and means responsive to changes in the frequency of said alternating current to vary proportionally the instantaneous width of the band of frequencies.

2,362,899
MEANS FOR POSITIONING CORE BARS IN HORIZONTAL PIPE CASTING APPARATUS
John Elijah Goates, Provo, Utah, assignor to Pacific States Cast Iron Pipe Co., Provo, Utah, a corporation of Nevada
Application June 5, 1943, Serial No. 489,822
12 Claims. (Cl. 22—1)

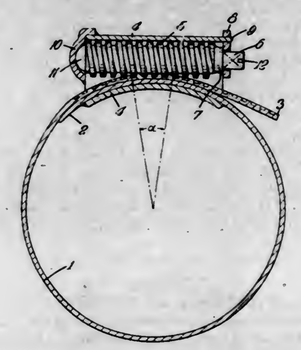


1. In pipe casting apparatus, a flask structure, means for supporting a hollow core in said flask structure in position for internally shaping pipe castings, said core being open at at least one end, a gauge lever engaged at one end internally in said core at a point intermediate the ends thereof and extending at its other end through and beyond the open end of the core, and means for indicating the degree of movement of said extended end of the lever to in turn indicate the degree of deflection of said core intermediate its ends.

2,362,900
PRODUCTION OF CELLULOSE ETHERS
Walter Henry Groombridge and John Downing, Spondon, near Derby, England
No Drawing. Application September 16, 1942, Serial No. 458,568. In Great Britain September 11, 1941
4 Claims. (Cl. 260—231)

1. Process for the production of cellulose ethers, which comprises treating cellulose with an aqueous solution of alkali containing an amount of alkali greater than that which is molecularly equivalent to the cellulose, removing the alkali in excess of a substantially 1:1 molecular ratio relative to the cellulose, adding an azeotroping inert liquid to the mixture and azeotropically distilling off the water present from the alkali-treated cellulose, separating the azeotroping liquid from the water and returning the azeotroping liquid to the treated cellulose, introducing an etherifying agent therein in a chemically equivalent proportion to the alkali present, heating the reaction mixture until substantially all the etherifying agent has reacted, adding additional aqueous alkali to the reaction mixture in a substantially 1:1 molecular ratio relative to the cellulose, azeotropically distilling off the water, separating the azeotroping liquid from the water and returning the azeotroping liquid to the reaction mixture, adding a further chemically equivalent proportion of etherifying agent thereto relative to the alkali present, heating the reaction mixture until substantially all of said etherifying agent has reacted, and repeating said sequence of operations for at least two more reaction stages.

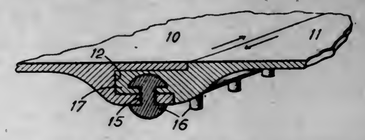
2,362,901
CLIP FOR HOSES AND THE LIKE
Robert Cuthbert Scott Jamie, Pathlow, near Stratford-on-Avon, England
Application February 25, 1943, Serial No. 477,063
In Great Britain August 19, 1942
7 Claims. (Cl. 24—19)



1. In a clip for tightening a circular metal band having an underlapping end and a transversely slotted overlapping end, the combination comprising a housing, a plate secured to the front end of said housing, a cap secured to the rear end of said housing, and a worm rotatably mounted in said housing between said plate and said cap, said worm having an annular bearing surface bearing against said plate.

2,362,902
LOCK JOINT
Astrid J. Jansen, Merrick, N. Y.
Application June 21, 1943, Serial No. 491,590
5 Claims. (Cl. 78—54)

1. In a joint for metal or other plates, a plate section having a thickened edge formed with a groove therein, the top groove flange being continuous with and in the same plane as the upper surface of the plate and the bottom groove flange lying parallel to said surface and having holes formed therein at spaced intervals along its length, a second plate having a thickened edge, a tongue projecting from said edge opposite said groove when the two plates lie in the same plane, shoulders above and below said tongue corresponding to and adapted to abut said groove



flanges, said tongue having a channel formed lengthwise in its under surface, ledges continuous with the under surface of said tongue and projecting into said channel from opposite sides thereof, and fastening means in said holes and channel.

2,362,903
EVAPORATOR
Melville Keim, Chicago, Ill.
Application March 20, 1944, Serial No. 527,317
5 Claims. (Cl. 299—20)

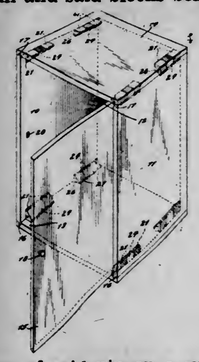


2. The combination with a container having a mouth, of an evaporating wick therein bent upon itself to form a loop for protrusion through said mouth, said wick being of a thickness somewhat greater than one-half the width of said mouth to cause the width of said loop to be greater than the width of said mouth and consequent compression of said loop by said mouth, whereby said loop will be securely held in various positions of adjustment and spaces provided at its sides for drainage into said container of liquids squeezed from said wick.

2,362,904
JOINT FOR DEMOUNTABLE FURNITURE
Ferdinand Kramer, Port Chester, N. Y., assignor to Allied Purchasing Corporation, New York, N. Y., a corporation of New York, Fred V. Gerstel, New York, N. Y., Ferdinand Kramer, Port Chester, N. Y., and Paul M. Mazur, New York, N. Y.
Application January 20, 1943, Serial No. 472,938
2 Claims. (Cl. 20—92)

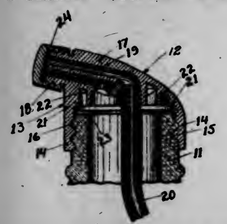
1. A rigid corner joint structure for adjacent sections of demountable furniture comprising a plurality of blocks located next to each other in the direction of the joint in full surface contact with the said sections and alternately secured thereto so as to provide a shoulder abutment, cylindrical bores in the said blocks extending parallel to the block edges, said bores being arranged in alternate eccentric relation, and a cylindrical dowel pin adapted to force said blocks

upon insertion into said bores into alinement, said dowel pin and said blocks being interlocked



upon insertion of said pin on a substantial part of their surface by oppositely directed pressure forces.

2,362,905
POUR-OUT CLOSURE
Orville E. Kuhlman, Kansas City, Mo., assignor to W. A. Sheaffer Pen Company, Fort Madison, Iowa, a corporation of Delaware
Application July 3, 1941, Serial No. 400,907
2 Claims. (Cl. 222—542)

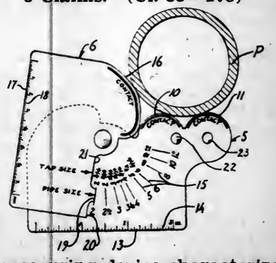


1. A pour-out closure for containers comprising a main body portion having a depending skirt with connecting means for detachable engagement with the neck of said container, said main body portion having a spout and an open-ended passage extending axially of said spout for discharging liquid from said container, a gasket disposed on the upper end of the neck of said container, a shoulder extending radially inwardly from said skirt for forcing said gasket against the top and adjacent the outer edge of the neck of said container, and an annulus spaced from said shoulder a distance less than the width of said neck for forcing said gasket against the top and adjacent the inner edge of the neck of said container, said shoulder and annulus tending to stretch the gasket across the top of said container neck and providing a double seal for said container.

2,362,906
PROCESS OF RECOVERING CITRIC ACID VALUES FROM CITRUS PRODUCTS
Herbert T. Leo and Clarence C. Taylor, Anaheim, Calif., assignors to Mutual Citrus Products Company, Anaheim, Calif., a corporation of California
No Drawing. Application February 25, 1943, Serial No. 477,166
10 Claims. (Cl. 260—535)

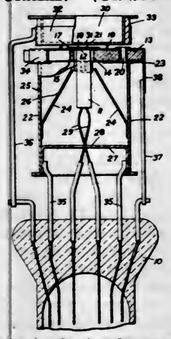
1. The process of recovering calcium citrate from a dilute acid aqueous solution containing not over about 2.75% of citric acid, which comprises adding to said solution at temperatures below 100° F. an alkaline reacting calcium compound to bring said solution to a pH between about 7.0 and 7.6, filtering to remove any insoluble matters present, heating the resulting filtrate until precipitation of calcium citrate occurs, and recovering said calcium citrate.

2,362,907
MEANS FOR MEASURING PIPE OR THE LIKE
Julius E. Levin, Chicago, Ill.
Application May 12, 1943, Serial No. 486,701
3 Claims. (Cl. 33—178)



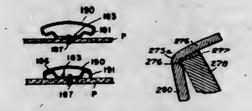
1. In a measuring device characterized by two elements disposed in relatively pivotal relation to each other, one of which elements has contacting means for engaging the arcuate or curved surface to be gauged and a scale made up of a plurality of measuring indicia while the other element is provided with indicating means on one edge thereof cooperating with the scale on the other of said elements and contacting means coacting with the contacting means on the other element to determine the position of the indicating means with respect to said scale, means associated with the indicating means for designating on the scale the specific one of the measuring indicia which corresponds to the setting of the indicating means with respect thereto, said designating means comprising a notched portion adjacent said indicating means.

2,362,908
CATHODE RAY TUBE
Gerhard Liebmann, Cambridge, England, assignor to Cathodeon Limited, Cambridge, England, a British company
Application November 10, 1943, Serial No. 509,745
In Great Britain November 2, 1942
16 Claims. (Cl. 250—162)



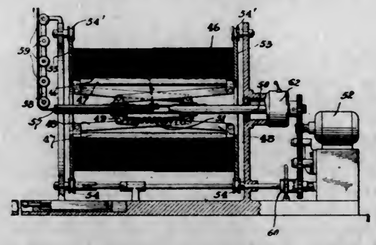
5. A modulating electrode assembly for a cathode ray tube, comprising a flat narrow metal spacer strip having a relatively large hole therethrough intermediate its ends, and a very thin metal disc constituting the modulating electrode proper having a flat face welded to one face of said strip so as to close said hole therein, said disc having a fine hole therethrough coaxial with said hole in said strip, said strip having an eyelet fixing hole therethrough near each of its ends.

2,362,909
METHOD OF APPLYING MOLDING STRIPS TO TRIM PANELS
Alvin C. Lind, and Alexander Carlin, Detroit, Mich., assignors to National Automotive Fibres, Inc., Detroit, Mich., a corporation of Delaware
Application September 22, 1941, Serial No. 411,940
2 Claims. (Cl. 153—1)



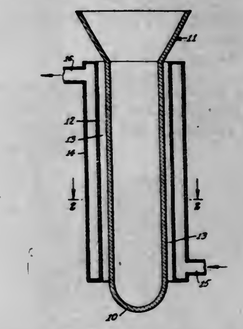
2. In the manufacture of molding strip assemblies, the steps of forming an elongated base strip with a substantially flat base and upwardly and outwardly extending flanges, forming an elongated cover strip for the base strip with a top portion, downwardly extending substantially parallel side portions, and forming longitudinally extending weakened areas in its inner surface at approximately the junction of the side portions with the top portion of the cover strip, placing the cover strip in opposed relation upon the base strip so that the side portions of the cover strip straddle the flanges of the base strip, then forcing the cover strip down upon the base strip until the weakened areas of the cover strip are disposed next to the outer edges of the flanges of the base strip, and then bending opposite side portions of the cover strip inwardly from said weakened areas underneath the flanges of the base strip to interlock the cover strip in opposed relation to the base strip and thereby form a hollow molding structure.

2,362,910
POWER TRANSMITTING MEANS
Zeno Littman, New York, N. Y.
Application September 10, 1941, Serial No. 410,321
15 Claims. (Cl. 254—176)



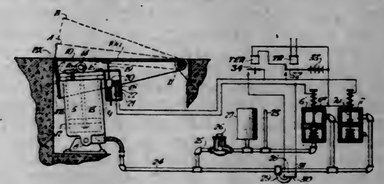
10. Means for driving a power transmitting endless cable forming a driving cable loop comprising in combination a cable core on which said driving cable is partly wound up in the form of a cable coil having an inner and an outer cylindrical coil surface, said core being composed of a series of freely rotatably arranged parallel rollers adapted to press against said inner cylindrical coil surface, thus supporting said coil, means combined with said core for guiding one cable end of said driving cable loop from said inner cylindrical coil surface, end walls arranged at the ends of said cylindrical coil co-axially with the same and being adapted to rotate said cable coil independently from the rotation of said cable core, thereby winding up the other cable end of said driving cable loop on said outer cylindrical coil surface, and driving means combined with said cable core and said end walls for rotating said core and said end walls at different speeds independently from each other.

2,362,911
LIQUID COOLING OF HIGH TEMPERATURE BODIES
Charles V. Litton, Redwood City, Calif., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application October 5, 1942, Serial No. 460,800
15 Claims. (Cl. 250—27.5)



1. An arrangement for cooling a hot body by a liquid, which comprises a plurality of fins disposed around said body having a temperature gradient thereacross, means for increasing the temperature gradient for said fins which comprises means for spraying water thereon in such volume that the water is immediately converted into steam, and further cooling means for said fins comprising tube means disposed about the edges thereof remote from said body through which a cooling liquid flows.

2,362,912
PROTECTIVE APPARATUS FOR HIGHWAY CROSSINGS
John W. Logan, Jr., Forest Hills, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application November 4, 1942, Serial No. 464,446
5 Claims. (Cl. 246—130)



1. In a protective system for a railway-highway grade crossing of the type wherein a retractable and projectable barrier is provided in the exit lane of the highway over which highway

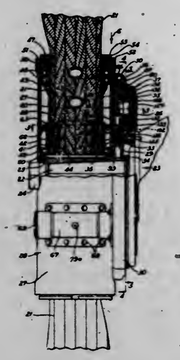
traffic operates when leaving the crossing and is disposed to bar the entrance of traffic into the crossing over the barrier, the combination with a source of relatively high fluid pressure, a fluid pressure motor operatively connected with said barrier, a first means governed by a train on said railway approaching said crossing for connecting said motor with said source, means operated by said barrier for disconnecting said motor from said source when said barrier reaches a predetermined height, timing means controlled by said first means, a fluid pressure operated switch, and means governed by said timing means for rendering said fluid pressure operated switch active to reconnect said motor with said source, said fluid pressure operated switch being adjusted to limit the supply of pressure from said source to said motor to such times as the pressure in the motor is below a predetermined pressure less than the pressure of the fluid supply.

2,362,913

ADJUSTABLE PITCH PROPELLER

Albert K. McLeod, Los Angeles, Calif., assignor to Aviation Patents, Inc., Los Angeles, Calif., a corporation of California

Application May 11, 1939, Serial No. 273,021
In Great Britain May 13, 1938
16 Claims. (Cl. 170—163)



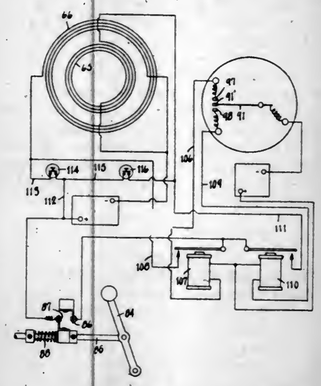
9. In an adjustable pitch propeller adapted to be coupled with the shaft of an engine, the combination of: a rotatable structure including a hub; a blade extending outward from said hub; means for pivotally securing said blade to said hub to turn about an axis of said blade; an outer gear comprising an internally-toothed gear ring concentric with the rotational axis of said hub; bearing means for journalling said outer gear for rotation about said rotational axis of said hub; an inner gear externally-toothed and concentric with the axis of rotation of said hub; bearing means for journalling said inner gear for rotation about said rotational axis of said hub; a pinion meshing with both said inner and outer gears; a pinion shaft carrying said pinion; means for journalling said pinion shaft relative to said rotatable structure to rotate about its own axis at a position spaced from the axis of rotation of said hub; means operatively connecting said pinion shaft to said propeller blade to turn same in proportion to the angular movement of said pinion; an annular armature for each of said gears; means for respectively mounting said armatures relative to said gears and including resilient means for biasing said armatures toward their respective gears; a braking ring disposed adjacent each armature but spaced very slightly therefrom when said resilient means retract said armatures but being contactable by said armatures in an annular zone of contact upon overcoming of the biasing force; and means for momentarily slapping either armature against its braking ring and for quickly releasing it thereby imparting a momentary retarding force to the gear associated therewith without stopping thereof, said means including an annular electromagnetic means associated respectively with each braking ring and means for momentarily and selectively energizing said electromagnetic means for a period of time insufficient to stop the corresponding armature and gear but sufficient to momentarily decelerate this gear with respect to the rotatable structure through a momentary slapping contact between the corresponding armature and braking ring, this momentary retardation being sufficient to slightly change the pitch of the propeller.

2,362,914

ADJUSTABLE PITCH PROPELLER MECHANISM FOR AIRPLANES

Albert Kenneth McLeod, Los Angeles, Calif., assignor to Aviation Patents, Inc., Los Angeles, Calif., a corporation of California

Continuation of application Serial No. 57,739, January 6, 1936. This application July 27, 1939, Serial No. 286,940
18 Claims. (Cl. 170—163)



1. In an adjustable pitch propeller adapted to be coupled with the shaft of an engine, the combination of: a rotatable member including a hub; a blade extending outward from said hub; means for pivotally securing said blade to said hub to turn about an axis of said blade; a pinion shaft extending parallel to the rotational axis of said hub; means for journalling said pinion shaft relative to said rotatable member; means for operatively connecting said pinion shaft and said blade to translate rotation of said pinion shaft into a turning of said blade to vary the pitch thereof; a pinion on said pinion shaft; an outer gear comprising a ring gear providing internal teeth meshing with said pinion; an inner gear providing external teeth meshing with said pinion; bearing means for said outer and inner gears; a pair of brake means for respectively retarding said inner and outer gears while said hub is rotating and including a pair of ring

armatures, means for yieldably attaching same respectively to said gears and a pair of electromagnetic means disposed respectively adjacent said ring armatures, said electromagnetic means including a ring of magnetic material of U-shape in cross section adjacent each ring armature and providing an annular winding space and a winding therein, each ring of magnetic material providing a braking surface contactable with the corresponding yieldably-secured armature when said winding is energized thereby applying a braking force to the corresponding gear to rotate said pinion; relay means providing sets of contacts; main circuits for respectively connecting said sets of contacts in circuit with said windings to energize same individually; a tachometer providing means movable in response to the rotational speed of said hub and a flexible switch blade driven thereby, said tachometer providing a movable part; a pair of contacts mounted on said movable part to be moved together relative to said flexible switch blade and disposed in the normal path of movement of said blade, said flexible switch blade flexing to pass one of said contacts in moving into and from an intermediate position therebetween in which it can electrically contact each of said contacts individually in response respectively to an increase and decrease in the rotational speed of said hub; circuits connecting said contacts and said flexible blade to said relay means to energize one of said windings when said flexible switch blade electrically engages one of said contacts and to energize the other of said windings when said flexible switch blade engages the other one of said contacts; and insulating means on that one of said contacts first reached by said flexible switch blade when the speed of said hub increases for preventing electrical contact therebetween until said switch blade assumes said intermediate position.

2,362,915

PROCESS FOR IMPROVING THE FASTNESS TO WASHING OF DYED CELLULOSIC TEXTILE MATERIALS

James Hutchison MacGregor, Bocking, Braintree, England, assignor to Courtaulds Limited, London, England, a British company

No Drawing. Application January 23, 1942, Serial No. 428,012. In Great Britain December 24, 1940
4 Claims. (Cl. 8—74)

1. The process of improving the fastness to washing of cellulosic textile materials dyed with direct cotton dyestuffs and imparting a soft silky handle thereto, by treating the dyed material with a solution containing a watersoluble condensate of formaldehyde with a substance selected from the group consisting of an arylguanidine, a guanidine salt of an aliphatic dicarboxylic acid and a guanidine salt of an alkyl ester of an aliphatic dicarboxylic acid, and then converting the soluble condensate into an insoluble condensate.

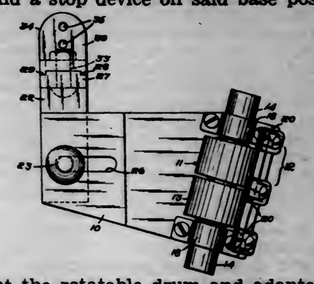
2,362,916

PICKER STICK CHECK

Frank P. Medeiros, Fall River, Mass., assignor of one-third to Antonio S. Aguiar, Swansea, and one-third to William Hunt, Fall River, Mass.

Application August 3, 1943, Serial No. 497,254
8 Claims. (Cl. 139—164)

1. A picker stick check, comprising a base, a roller assembly mounted thereon including a rotatable drum, said base having means for adjustably securing to a loom, whereby the rotatable drum is positioned to be impacted by the picker stick, and a stop device on said base positioned



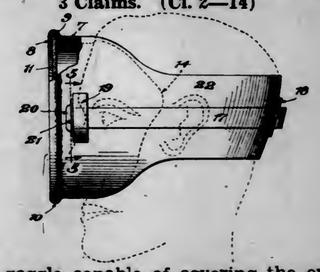
adjacent the rotatable drum and adapted to be impacted by the picker stick subsequent to the impacting of the rotatable drum.

2,362,917

UNDERWATER GOGGLE

Robert Malcom, Chicago, Ill., assignor to Chicago Eye Shield Company, a corporation of Illinois

Application June 30, 1941, Serial No. 400,472
3 Claims. (Cl. 2—14)



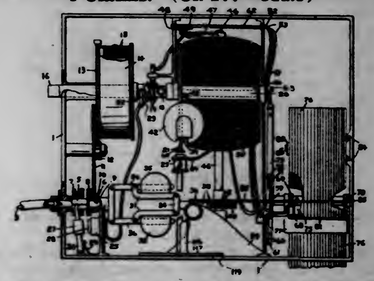
1. A goggle capable of covering the eyes and nose of a user, comprising a body formed of a curved wall of pliable self-form-sustaining material have a rear edge conformable to facial contour with substantially liquid tight seal therewith, a transparent pane at the front of said body, ear flaps extending rearwardly from sides of said body, and a headband connected with said body and overlapping said flaps to hold said body and flaps respectively against the face and ears of a user.

2,362,918

AUTOMATIC SAFETY CONTROL

Arthur Miller, Leavenworth County, Kans.

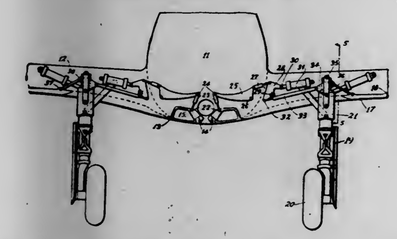
Application December 22, 1939, Serial No. 310,494
4 Claims. (Cl. 177—311.5)



4. In a conveyance speed announcer having a record of the human voice to announce the speed

of the conveyance, and means rotating said record and means limiting said record to one revolution, electrical releasing means controlled by the speed of the conveyance permitting said record to revolve to announce the speed of the conveyance, means operatively connected to and affected by the movement of said record to break the circuit of said releasing means, a second circuit and means connecting said second circuit operatively to and moved with said record, said second circuit releasing said record only when a change in speed of said vehicle has moved said means electrically first releasing said record, said record releasing means comprising contacts moved by said record rotating means alternately opening said first circuit after releasing said record and closing said second circuit to release said record when the speed of said conveyance has changed to faster or slower.

2,362,919
AIRCRAFT STRUCTURE
Robert Wendell Miller, Farmingdale, N. Y., assignor to Republic Aviation Corporation, a corporation of Delaware
Application November 21, 1941, Serial No. 420,008
8 Claims. (Cl. 244—102)

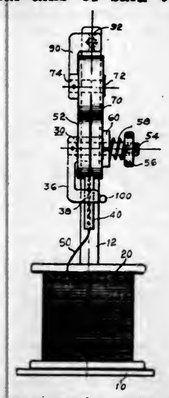


3. In an aircraft landing gear of the type including a leg and wheel retractable into a leg and wheel well: a fairing-group for normally covering the major area of said well both when the leg is fully protracted and when it is fully retracted, comprising a flap pivoted at the inboard end of said well and provided with means for maintaining it in closed position with the leg either protracted or retracted; a flap pivoted at the outboard end of said well and provided with means for maintaining it in closed position with the leg either protracted or retracted; and a common means for swinging both flaps open to clear the path of the leg and wheel upon the beginning of both retraction and protraction thereof.

8. In an aircraft having a landing gear retractable into a major component, said aircraft including a conduit having a movable section extending through the retraction path of the landing gear, a flap pivoted to said major component to lie in said path, said flap carrying the aforesaid movable section of said conduit that lies in said path.

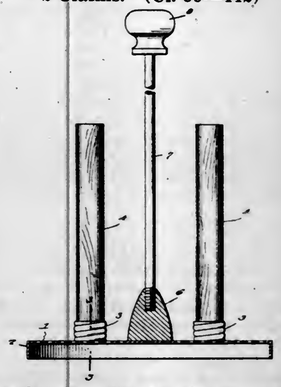
2,362,920
UNREELING DEVICE
Harry W. Moore, Dayton, Ohio
Application January 8, 1943, Serial No. 471,779
1 Claim. (Cl. 242—155)

An anti-kinking wire unreeling device for unreeling wire axially from a spool, said wire unreeling device including supporting means, a tubular member having the bore thereof aligned with the longitudinal axis of the spool and in short spaced relation therefrom, said tubular member being supported upon said supporting means, a pair of rollers the first of which is supported upon said supporting means and tangentially arranged with respect to the longitudinal axis of said tubular member, braking mechanism for the first roller, a bracket pivotally mounted upon said supporting means, the second roller being mounted upon said bracket, the axes of the two rollers being mounted in a plane parallel to the longitudinal axis of said tubular member,



tensioning means engaging said pivotally mounted bracket for causing said second roller to engage the first roller to exert a pressure upon the wire as it passes between the two rollers, guide means supported upon the bracket for guiding the wire as it leaves the second roller, and a rod mounted upon said supporting means in close proximity to the tubular member, the longitudinal axis of the rod extending in a direction normal to the longitudinal axis of the tubular member, said rod limiting whipping movements of the wire beyond the tubular member when the unreeling device suddenly stops.

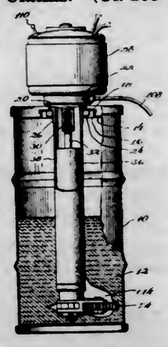
2,362,921
COOKING APPLIANCE
Agnes Palensky, Vermillion, S. Dak.
Application December 23, 1942, Serial No. 469,965
2 Claims. (Cl. 99—442)



1. A cooking appliance of the character described comprising a perforated circular base including a depending peripheral skirt, threaded

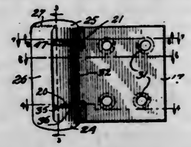
necks rising from the base, vertical removable food supporting members threadedly connected to said necks, a socket forming weight member mounted on the base for weighting the base down, a rod threadedly connected to said socket member and rising therefrom, and a handle mounted on the upper end portion of said rod.

2,362,922
ROTARY PUMP
George H. Palm, Chicago, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application October 16, 1942, Serial No. 462,223
6 Claims. (Cl. 103—5)



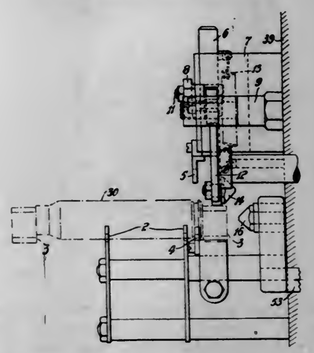
1. In a pump of the class described, the combination of a motor, a helicoid impeller driven thereby, a sleeve enclosing said impeller, a first gear driven by said impeller, a second gear meshing with said first gear and cooperating therewith to form priming means for said impeller, and supporting means for said second gear, said supporting means permitting said second gear to rotate about the axis of said first gear.

2,362,923
RATCHET HINGE FOR VEHICLE DOORS
Norman H. Pardoe, Lusby, Md.
Application December 9, 1941, Serial No. 422,289
6 Claims. (Cl. 16—141)



6. A ratchet hinge for vertically hung vehicle body doors comprising a first hinge member including spaced upper and lower axially aligned pintle bearings provided, in their confronting faces, each with two substantially V-shaped recesses radiating from the common axis of said bearings, and located substantially 45° apart, a second hinge member including a knuckle interposed between said pintle bearings, pintle means movably securing said first and second hinge members together including pintle ends extending into said pintle bearings, and disposed in non-projecting relationship wtih the upper outer surface of said upper pintle bearing and in non-projecting relationship with the outer surface of said lower pintle bearing, means causing said knuckle and pintle means to rotate together when said second hinge member is oscillated, and a ratchet means carried by each the upper portion and the lower portion of said knuckle, each ratchet means including a pawl for cooperation with the said V-shaped recesses of its adjacent pintle bearing; means carried by said knuckle for guiding at least one of said ratchet means for cooperation with its respective companion V-shaped recesses, said pawl being normally located, when the hinge is closed, at an angle of substantially 45° to the nearest of its respective companion V-shaped recesses.

2,362,924
APPARATUS FOR TESTING OR MEASURING SIZES OR DIMENSIONS
George Frederick Pembroke, Deptford, London, England, assignor to Molins Machine Company Limited, Deptford, London, England
Application March 26, 1942, Serial No. 436,370
In Great Britain March 18, 1941
3 Claims. (Cl. 33—178)

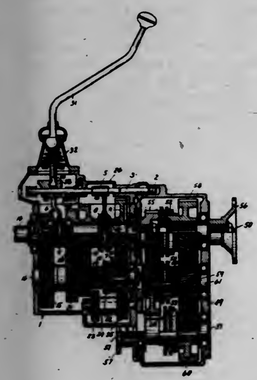


1. Measuring apparatus, comprising in combination, a reciprocable feeler member, a measurement transmitter member reciprocable in a fixed path transverse to that of said feeler member, each of said members being formed with a sloping surface, the said sloping surfaces cooperatively engaging to limit reciprocation of the members toward each other, each of said sloping surfaces forming with the direction of reciprocation of one of said members an angle which is complementary to the corresponding angle formed by the other of said sloping surfaces, at least one of said surfaces being convexly curved in planes normal to such direction of reciprocation, means to position the feeler member in contact with a work piece, and means operable subsequently to the said positioning of the feeler member for yieldably urging said transmitter member toward said feeler member, whereby said surfaces are caused to engage with a line contact and thereby the position assumed by the feeler member determines the extent of movement of the transmitter member in its fixed path through the co-action of said surfaces.

2,362,925
GEAR SHIFTING MECHANISM
Carl D. Peterson and Elmer J. Barth, Toledo, Ohio
Application September 30, 1942, Serial No. 460,224
11 Claims. (Cl. 74—477)

1. The combination of a main change-speed transmission gearing including shiftable elements

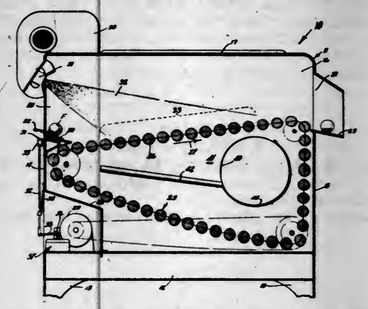
and shifting mechanism therefor including a plurality of selectively operable shift rods, and a transfer gearing including first and second tail shafts and gearing for driving the tail shafts from the main gearing through high and low gear ratios including shiftable elements operable to connect and disconnect the second tail shaft from drive with the first and for shifting the transfer gearing into high and low gear ratios in the transfer gearing, and shifting mechanism for the last shiftable element including a pair of individually operable shift rods, one operable to connect and disconnect the second tail shaft



from drive and the other to effect the shifting from high to low ratios and vice-versa, an interlock between one of the shift rods for the main gearing and the one shift rod for controlling the second tail shaft and operable to permit the shifting in of the shift rod controlling the second tail shaft only when the one shift rod for the main gearing is in a predetermined shifted position, and an additional interlock between the one of the shift rods for the main gearing and the shift rod of the transfer gearing compelling the shifting in of the element controlling the second tail shaft, when the shift rod for effecting low in the transfer box is shifted into low speed position.

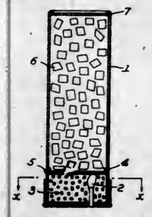
2,362,926
COATING SPRAY CONTROL
Howard L. Porch, Riverside, Calif., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application July 19, 1941, Serial No. 403,079
7 Claims. (Cl. 91—45)

1. In a machine for spraying coating material on fruit, the combination of: conveyor means for producing a flow of fruit along a given path; spray means for directing a spray of coating material onto said fruit in a given zone of said path; control means normally actuated by fruit approaching said zone and responsive to a cessation in the supply of fruit to said conveyor means to shut off said spray means; and delayed action means delaying said shutting off for a predetermined interval of time following said cessation, said interval being sufficient to permit the last of the fruit supplied to said conveyor means prior to said cessation to travel into said zone and receive an adequate coating of coating material directly from said spray means before said spray means is shut off, said control means also being



responsive to the recommencing of said supply of fruit to said conveyor means to turn on said spray means.

2,362,927
PROPELLENT FUEL ASSEMBLY
Carl D. Pratt, Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del., a corporation of Delaware
Application August 3, 1940, Serial No. 351,280
3 Claims. (Cl. 102—39)

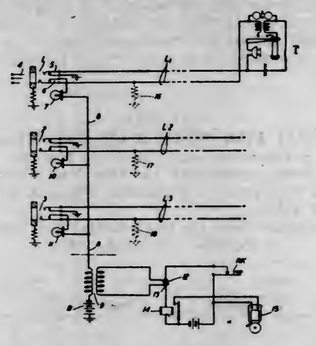


3. A projectile-free cartridge comprising a shell, a main charge therein consisting of relatively large grains of single base colloided nitrocellulose fuel, a relatively smaller ignition receiving charge therein consisting of relatively smaller grains of single base colloided nitrocellulose fuel, a combustible wad positioned between the said main and ignition receiving charges, a coating of flash composition on the side of said wad adjacent said ignition receiving charge, and an electric matchhead permanently associated with said shell and in direct flame communication with both said ignition receiving fuel charge and said combustible wad; the said combustible wad preventing an intermingling of the said two types of charges and assisting the said electric matchhead to initially ignite the said ignition receiving fuel charge.

2,362,928
ANNUNCIATOR SYSTEM
Neil Y. Priessman, Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 26, 1943, Serial No. 492,384
4 Claims. (Cl. 179—51)

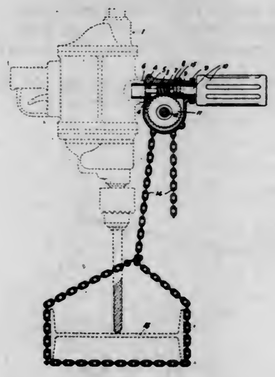
1. In a telephone system, a central office, a plurality of lines terminating thereat, a signal device in series with each line at said central office, a common source of current at said central office for energizing said signals, a night alarm relay at the central office, a circuit for said relay serially including a source of current and a resistance element having a negative temperature

coefficient, an electrical heater for raising the temperature of said negative temperature element and a transformer having a primary and a



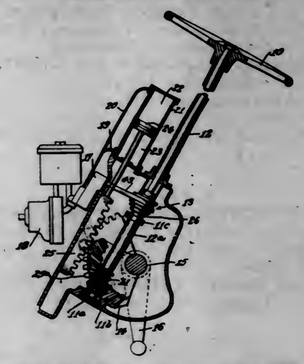
secondary winding and connected with its primary winding in series with said central office current source and its secondary winding connected to said electrical heater.

2,362,929
PRESSURE HANDLE FOR PNEUMATIC AND ELECTRIC PORTABLE DRILLS
J. Taliesin Richards, Wilkes-Barre, Pa.
Application December 19, 1941, Serial No. 423,675
3 Claims. (Cl. 77—14)



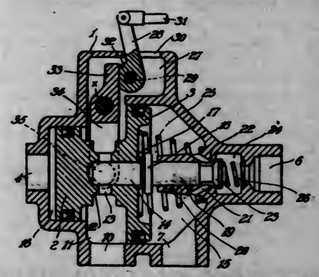
1. As a new product of manufacture, an alternatively usable handle structure for a portable drill of the class described, the same being in the form of an attachment and comprising an elongated tubular member constituting a bearing, said bearing also forming an adapter and having at its inner end means for detachable connection with the standard socket on one side of the portable drill, said tubular member being formed with a worm gear casing, said casing being provided with bearings, a worm gear mounted in said casing, said worm gear having stub axles journaled for rotation in the bearings in said casing, an anti-slipping chain winding drum fixedly mounted on one end of the stub axles, a sleeve mounted in said tubular bearing, a hand grip including a worm, said worm being mounted for rotation in said sleeve and being in mesh with said worm gear.

2,362,930
POWER ASSISTED STEERING GEAR
Azor D. Robbins, Glen Cove, N. Y., assignor to Mack Manufacturing Corporation, Long Island City, N. Y., a corporation of Delaware
Application September 15, 1943, Serial No. 502,421
4 Claims. (Cl. 180—79.2)



1. Steering mechanism comprising a steering shaft, a steering arm, a shaft section coaxial with the shaft and connected to operate the arm, a connection between the shaft and shaft section to permit a limited relative rotary motion therebetween, a bell crank lever pivoted to the shaft and to the shaft section and movable in response to relative movement of said shaft and said shaft section, a crank arm on the lever, a sleeve connected to said crank arm and slidable axially with respect to the shaft and shaft section upon movement of said lever, and power means responsive to movement of the sleeve to apply power to the arm.

2,362,931
MEANS FOR CONTROLLING BRAKES ON TRAILER VEHICLES
John Rodway, Lincoln, England
Application January 6, 1943, Serial No. 471,483
In Great Britain February 17, 1942
5 Claims. (Cl. 188—3)



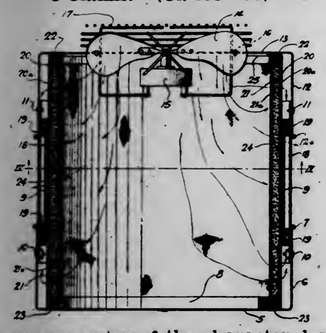
1. A device for controlling the brakes of a trailer vehicle, comprising a valve housing, means for connecting said valve housing to a source of pressure on a tractor vehicle and to trailer brake applying means respectively, a pair of pistons of differential areas mounted in said housing and having a connection between the central portions thereof, a spring actuated valve member, a seat for said valve member on one of said pistons and communicating with the atmosphere, a fixed seat for said valve member in said housing and communicating with the brake applying means, and manual means operable on

said pistons and valve member to cause application of the brakes when the trailer vehicle is loaded.

2,362,932
STABLE STEROL DERIVATIVES
Hans R. Rosenberg, Wilmington, Del., and Howard F. Carroll, Camden, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 2, 1942. Serial No. 449,516
4 Claims. (Cl. 260—397.2)

1. Crystalline addition compounds of 7-hydroxy sterols and an organic acid of two carbon atoms.

2,362,933
AIR CONDITIONING APPARATUS
Harold William Schaefer, Chicago, Ill., assignor to The Harry Alter Co., Chicago, Ill., a corporation of Illinois
Application March 8, 1941, Serial No. 382,325
8 Claims. (Cl. 183—36)

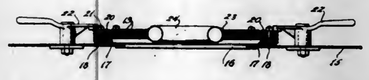


1. In an apparatus of the character described, a casing comprising a base member having an upstanding annular flange, spaced brackets secured to said flange having upwardly extending inwardly offset portions, a centrally apertured top member having a depending annular flange with its lower edge spaced from the upper edge of the first mentioned flange removably secured to the upper ends of said brackets in substantially the same vertical plane as the flange of the base member, a grille extending between the said flanges and secured between the inner faces thereof and said brackets, a motor driven fan carried by the top member and positioned in the aperture therein to draw air into the casing and discharge it therefrom through said grille, and a filter bed of odor-absorbing material extending lengthwise of the casing and positioned adjacent said brackets.

2,362,934
MASTIC FLOOR TILE COMPOSITIONS
Raymond F. Schlaanstine, Kennett Square, Pa., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 5, 1941, Serial No. 421,772
7 Claims. (Cl. 260—23)

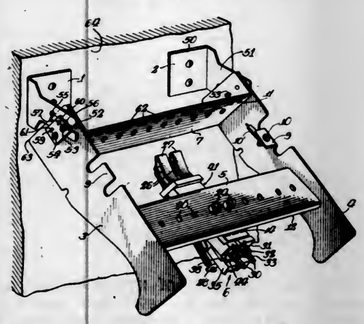
1. A mastic tile comprising essentially a binder selected from the group consisting of asphalts and coumarone-indene resins, asbestos fiber, and a plasticizer for the binder in an amount contributing a toughening effect, the said plasticizer consisting of between about 60% and about 95% by weight of a toughening plasticizer selected from the group consisting of gelled drying oils, pitches derived from vegetable oils, and pitches derived from animal fats and oils, and between about 40% and about 5% by weight of a material selected from the group consisting of liquid rosin esters and liquid hydrogenated rosin esters to improve the wetting power of the plasticizer for the fiber.

2,362,935
NECK SEAL FOR ARTIFICIAL RESPIRATORS
Ludwig Schlobohm and Alvin J. Farrar, Cleveland, Ohio, assignors to The Van Dorn Iron Works Company, Cleveland, Ohio, a corporation of Ohio
Application July 14, 1942, Serial No. 450,882
2 Claims. (Cl. 128—28)



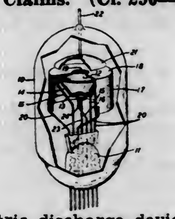
1. A neck seal for an artificial respirator comprising a pair of superposed flexible diaphragms mounted in the respirator having an opening therein, a flexible frame member secured between the pair of diaphragms and having a flange projecting into the opening in said diaphragms; and an elastic, hollow, ring-shaped tube seated in the flange projecting portion of the frame and adapted to be inflated to fit snugly around the neck of a patient.

2,362,936
SUBSTATION PROTECTOR
Roy M. Schultz, Chicago, Ill., assignor to Cook Electric Company, Chicago, Ill., a corporation of Illinois
Application April 18, 1942, Serial No. 439,490
20 Claims. (Cl. 200—115)



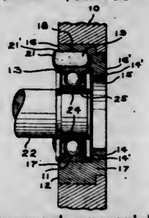
1. In a terminal box, a frame structure including a grounded conductor plate, a protector unit having protective devices and associated terminals accommodating incoming and outgoing conductor connections and a ground terminal, means for detachably connecting said protector unit to said conductor plate, said ground terminal being in electrical relation with said conductor plate, bracket means adapted to be secured to a supporting wall, there being means between said bracket means and said frame structure arranged and constructed to carry said frame structure in an upright position but being releasable to swing said frame structure to a downwardly tilted position.

2,362,937
ELECTRIC DISCHARGE DEVICE
William G. Shepherd, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 15, 1942, Serial No. 458,389
5 Claims. (Cl. 250—27.5)



1. An electric discharge device comprising an enclosing vessel having an ionizable medium therein, a hollow cathode within said vessel and having its inner surface electron emissive, an anode opposite one end of said cathode, a control electrode adjacent said cathode, and a deionization electrode immediately adjacent a portion of said inner surface remote from said one end of said cathode.

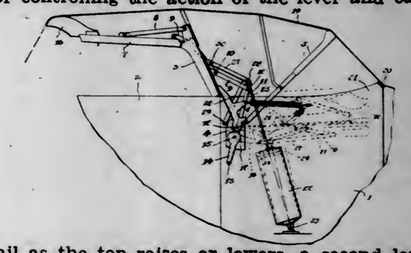
2,362,938
BEARING SUPPORT
Harold O. Short, Baltimore County, Md., assignor to The Black and Decker Manufacturing Company, a corporation of Maryland
Application June 9, 1944, Serial No. 539,491
4 Claims. (Cl. 308—184)



1. A bearing support comprising a supporting member, having a cavity adapted to receive the outer race of a bearing, whereby said outer race is free to slide in the cavity, said cavity having in its walls a hole parallel to the bearing axis and open at its side into said cavity, said opening being less than half the diameter of the hole, and extending substantially the entire axial length of said cavity in a direction parallel to its axis, and a rubber plug in said hole, and having a side portion elongated in parallelism with said axis and protruding through said opening into said cavity, said portion being engaged and compressed by the outer race to provide a resilient securing means for the outer race which is frictionally engaged by said projecting portion.

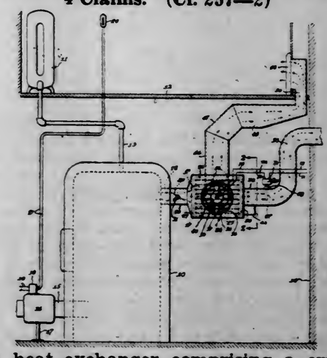
2,362,939
COLLAPSIBLE TOP
Emory Glenn Simpson, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application August 29, 1941, Serial No. 408,707
4 Claims. (Cl. 296—117)

1. In a collapsible top for an automotive vehicle, the combination of a main bow pivotally supported on the vehicle, a cant rail, a link pivotally connected at one end to the cant rail and the other end to the bow, a lever pivoted intermediate its ends to the main bow, a pivotal connection between one end of the lever and the cant rail whereby the cant rail is supported on the main bow by said lever and link, a control link pivotally connected to the other end of said lever for controlling the action of the lever and cant



rail as the top raises or lowers, a second lever pivotally supported by means of a fixed pivot on the vehicle body adjacent the pivoted end of the main bow, a pivotal connection between said second lever and control link, and means for swinging the said second lever downwardly and forwardly of the body as the top rises whereby the pivotal connection between the control link and second lever travels in an arcuate path.

2,362,940
CONTROL FOR FUEL ECONOMIZERS
Roy P. Skerritt, Detroit, Mich.
Application April 8, 1942, Serial No. 438,148
4 Claims. (Cl. 257—2)

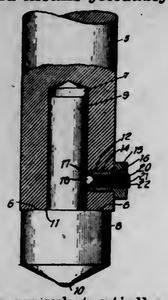


4. A heat exchanger comprising a cruciform casing having aligned flue inlet and outlet pipes, a series of relatively flat transversely extending tubes mounted in the casing between said flue inlet and outlet, header plates having openings for receiving said tubes, a blower within the casing and one of said header plates on the inlet side of the relatively flat transversely extending tubes for creating a forced draft of air through said tubes, a humidifier located within the casing between the other header plate and the outlet side of the relatively flat transversely extending tubes and a thermostatic switch mounted in the direct path of gases in the outlet flue passageway responsive to temperature changes therein for controlling said blower.

2,362,941
PENETRATOR CHUCK RETAINER
David F. Sklar, Brooklyn, N. Y., assignor to Wilson Mechanical Instrument Co., Inc., New York, N. Y., a corporation of New York
Application November 26, 1943, Serial No. 511,793
15 Claims. (Cl. 73—85)

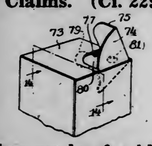
1. In combination, a hardness-tester penetrator supporting member having a flat face adapted

to be disposed to face a test piece; a carrier having a flat face disposable against said first named face and carrying a penetrator opposing the test piece; and means yieldably holding said



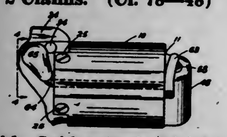
carrier with said faces substantially adjacent, and adapted and constructed to allow lateral movement of the carrier and to allow during penetration flat contact between said faces.

2,362,942
POUR SPOUT CARTON
Kenneth F. Spalding, Oak Park, Ill., assignor to F. Dorsey Montgomery, Chicago, Ill.
Application June 4, 1942, Serial No. 445,730
3 Claims. (Cl. 229—17)



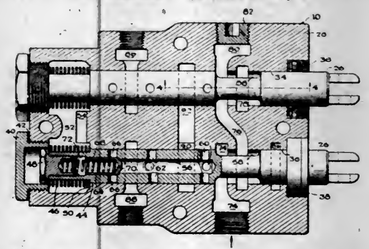
1. In a carton made of a blank including side walls and end flaps precreased and precut so as to form a pour spout closure for the carton, including an outer end flap having a removable area defined by a line of severance, and an inner flap adapted to underlap said outer flap, and formed with an open area generally in registering relation with said removable area, but with a marginal portion thereof extending beyond the line of severance of said outer flap so as to leave an open space beneath and along said line of severance when said end flaps are in folded position.

2,362,943
PORTABLE TOOL
Lloyd G. Speth, East Cleveland, Ohio, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio, a corporation of Ohio
Application March 22, 1941, Serial No. 384,675
2 Claims. (Cl. 78—48)



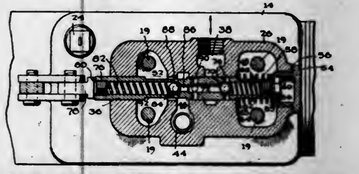
1. A portable fluid actuated tool including an elongated power housing forming a handle grip for the operator to hold the tool to the work, fluid pressure responsive means within said power housing, jaws extending longitudinally from the front end of said housing operable by said fluid pressure responsive means, a throttle valve slidable within the rear end wall of said housing, a manually operable trigger near the front end of said housing positioned to be operated comfortably by the thumb of the hand of the operator while normally holding the tool to the work, and means including a rod leading from said trigger along said housing to said throttle valve and rotatable by depressing said trigger for operating the throttle valve to actuate said fluid pressure responsive means.

2,362,944
CONTROL VALVE FOR HYDRAULIC SYSTEMS
William T. Stephens, Cleveland, Ohio, assignor to Hydraulic Control Engineering Company, Cleveland, Ohio, a corporation of Ohio
Application June 30, 1942, Serial No. 449,132
14 Claims. (Cl. 277—7)



1. A control valve for hydraulic mechanism, comprising a valve housing formed to provide a bore intersected by ports and passages; a valve plunger having a groove and a land portion arranged to cooperate with the ports and passages of the housing bore, said valve plunger being hollow and closed at both ends and having longitudinally separated lateral openings communicating between its hollow and the land surface; and a yielding check valve carried by the valve plunger and arranged normally to close off at least one of the lateral openings from the hollow, said openings including a group of openings inwardly of the check valve with respect to the valve plunger and progressively arranged longitudinally of the valve plunger in overlapping relation, for successive cooperation with one of said ports or passages.

2,362,945
HYDRAULIC CONTROL VALVE
William T. Stephens, Cleveland, Ohio, assignor to Hydraulic Control Engineering Company, Cleveland, Ohio, a corporation of Ohio
Application June 30, 1942, Serial No. 449,133
14 Claims. (Cl. 277—7)



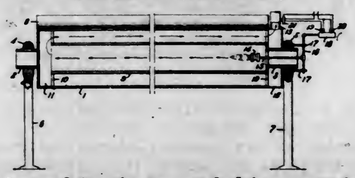
1. A hydraulic control valve comprising in combination, a reciprocable, hollow valve plunger, said valve plunger being formed to provide side delivery ports at three longitudinally spaced points; check valve means arranged within the valve plunger and adapted yieldingly to close one end inwardly of the side delivery port adjacent that end, relief valve means arranged within the valve plunger and adapted yieldingly to close the other end inwardly of the side delivery port adjacent that end; and a valve housing provided with a bore receiving the reciprocable hollow valve plunger and a plurality of passages including an inlet, discharge and outlet passage intersecting said bore in operative relation to the various side delivery ports of said valve plunger, and said housing and plunger being so constructed that said relief valve side ports are always in communication with said discharge passage.

2,362,946
SPRAY GUN
Harry C. Stockdale, Ravenna, Ohio, assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application July 31, 1940, Serial No. 348,749
1 Claim. (Cl. 299—117)



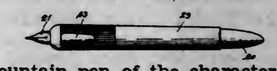
In a spray gun, the combination of: a primary tubular barrel; a secondary tubular barrel, the axis of which is offset from said primary barrel; adapter means connecting adjacent ends of said barrels; nozzle means provided in the free end of said secondary barrel; nozzle control means provided in said secondary barrel, said means including a rod for operating said control means; a stuffing box in said adapter means through which said rod passes; a rotary grip provided on said primary barrel, there being a helical thread provided on said grip; and means on the extending end of said rod for engaging with said thread to permit said rod to be shifted axially by the rotation of said sleeve for the purpose of actuating said nozzle control means.

2,362,947
DIRECT FIRED REVOLVING IRONER AND DRIER
Timothy J. Sullivan, Butte, Mont., assignor, by mesne assignments, to Red & White Laundry & Cleaning Company, Butte, Mont., a corporation of Montana
Application December 12, 1942, Serial No. 468,787
2 Claims. (Cl. 38—49)



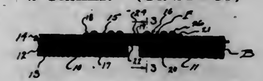
1. A revolving ironer and drier comprising a cylinder the outer surface of which provides an ironing surface, a tube concentrically supported within the cylinder by a plurality of spaced arms rigidly attached to the tube and cylinder whereby the tube and cylinder revolve together, said cylinder being closed at one end and one end of said tube being open and terminating short of said closed end of the cylinder to provide a chamber through which said tube communicates with the space between the tube and the cylinder, a flame producing burner positioned axially adjacent the other end of the tube, said burner being adapted to produce a flame which is small in diameter relative to the diameter of the tube and extends axially of said tube, a hollow trunnion supporting the end of the cylinder opposite said closed end and communicating with said tube, and means for discharging gas from the space between the tube and cylinder at the end opposite said closed end.

2,362,948
FOUNTAIN PEN
Walter Dorwin Teague, River Farm, and Walter Dorwin Teague, Jr., Alpine, N. J., and Stowe Myers and Douglas D. Andrews, New York, N. Y., assignors to W. A. Sheaffer Pen Company, Fort Madison, Iowa, a corporation of Delaware
Application November 24, 1943, Serial No. 511,524
14 Claims. (Cl. 120—49)



1. A fountain pen of the character described comprising a barrel having a writing point and fluid feeding mechanism extending from one end thereof, an outer open ended casing movable on said barrel selectively to house and to expose said writing point, a clip mounted on said casing adjacent the writing point end of said barrel and extensible from a position substantially within the confines of said casing to a position outside the confines thereof, and means in said open end actuated by said relative movement between said barrel and said casing to seal said open end when said writing point is housed.

2,362,949
V-BELT FASTENER
Charles W. Tingley, Milwaukee, and William P. Reilly, Menomonie Falls, Wis.
Application February 5, 1943, Serial No. 474,824
2 Claims. (Cl. 24—33)

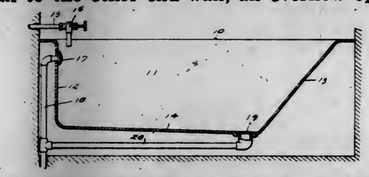


1. The combination with an end of a V-belt of the type having a wide outer face and a narrow inner face and a longitudinally extending reinforcement therein adjacent to said outer face and parallel therewith, of a section of a belt fastener for connection with said end of the belt including a U-shaped member having inner and outer leaves and a connecting hinge barrel, said belt end having a slit therein between said reinforcement and the narrow inner face of the belt, said slit being parallel with the reinforcement and disposed between the side faces of the belt and spaced therefrom, said inner leaf of the U-shaped member being disposed in said slit and the outer leaf being disposed in intimate contact with the outer face of the belt and said hinge barrel projecting beyond the belt end, and screws extending through the outer leaf and into the belt material and through the reinforcement and the inner leaf for drawing the inner leaf toward the outer leaf for compressing and clamping the belt material between said inner and outer leaves.

2,362,950
EASY CLEANING BATHTUB
Genevieve C. Vieyra, Gabbs, Nev.
Application September 2, 1943, Serial No. 500,963
2 Claims. (Cl. 4—173)

1. A bathtub of the class described having a foot end wall, an inclined end wall opposed there-

to, a bottom wall inclining from the foot end wall to the other end wall, an overflow opening



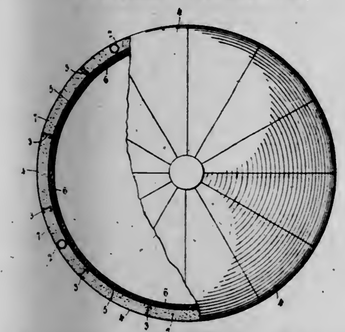
in the foot end wall, and a drainage fitting in the bottom wall adjacent its junction with the inclined wall.

2,362,951

PRESSURE-TIGHT CABIN FOR AIRCRAFT

Barnes Neville Wallis, Weybridge, England, assignor to Vickers-Armstrongs Limited, London, England

Application June 17, 1942, Serial No. 447,403
In Great Britain April 8, 1941
5 Claims. (Cl. 244—119)



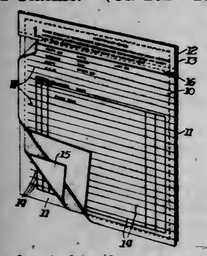
1. A pressure cabin for aircraft, comprising a structural frame, an airtight inner wall supported against said frame, said wall comprising a fabric woven from high tensile steel warps and textile weft threads, an outer envelope enclosing the whole, heat-insulating material filling the space between said inner wall and said envelope, and an interior layer of puncture-sealing material lining said inner wall.

2,362,952

MASTER SHEET BLANK MEANS

Lawrence A. Watkins, Hamilton, Ontario, Canada, assignor to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia

Application January 21, 1941, Serial No. 375,271
11 Claims. (Cl. 101—131)



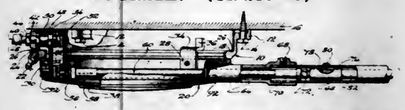
1. Master sheet blank means comprising in combination a carbon sheet, two master sheet blanks, and means for holding said master sheet blanks in operative position with respect to said carbon sheet so as to be adapted to receive copy alternatively therefrom, with one of the transversely extending edges of one blank arranged higher on the carbon sheet than the corresponding transversely extending edge of the other blank.

2,362,953

OVERHEAD LUBRICATING SUPPLY APPARATUS

Reuben Wedeberg, Chicago, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia

Application July 28, 1943, Serial No. 496,398
11 Claims. (Cl. 285—9)



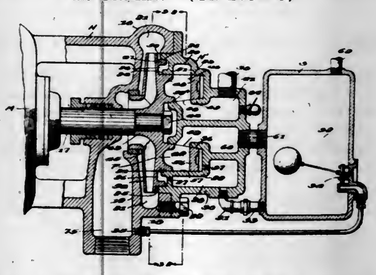
1. Overhead lubricating supply apparatus of the class described, comprising a base to be adapted to be attached to a ceiling of a garage or service station and having a fixed lubricant inlet adapted to be connected to a source of lubricant under pressure, a cover, means for mounting said cover for rotation on said base, a tubular part provided by said cover, a block slidably mounted in said tubular part, a flexible hose connecting said block with said inlet, and a discharge conduit connected to said block.

2,362,954

PUMP

Harold E. Adams, South Norwalk, Conn., assignor to Nash Engineering Company, South Norwalk, Conn., a corporation of Connecticut

Application August 2, 1940, Serial No. 349,953
22 Claims. (Cl. 103—6)



1. In a unitary centrifugal liquid pump and liquid ring gas compressor including a casing, a common unitary impeller therein adapted to handle liquid at one side of the pump-compressor and gas at another side of the pump-compressor, and means for creating and maintaining a liquid seal between said liquid and gas sides, at a pressure essentially that of the pressure in the discharge of the gas side.

2,362,955

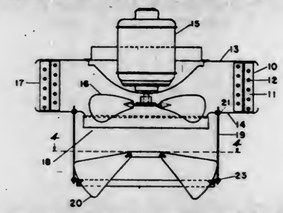
HEAT EXCHANGE UNIT

John D. Cantwell, Detroit, Mich., assignor to The Trane Company, La Crosse, Wis.

Application July 10, 1941, Serial No. 401,814
2 Claims. (Cl. 98—40)

1. An outlet for unit heaters comprising an inner hollow web and a larger outer web, movable

vanes attached to said webs, said vanes in a closed position forming the surface plane of a frustrum of a hollow cone, said vanes being pivotally attached to said webs as to allow movement of said vanes out of said plane, the said in-



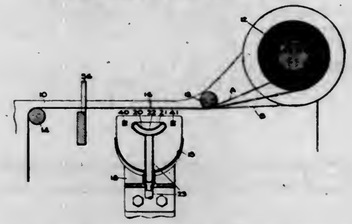
ner web being centrally positioned in the path of the discharge air of the unit heater and spaced closer to the unit heater than the said outer web, rods supporting and spacing the outer web from the unit heater.

2,362,956

STOP MEANS FOR TEXTILE MACHINES

Lawrence W. Griffis, Buffalo, N. Y., assignor to Van Raalte Company, Inc., New York, N. Y.

Application January 26, 1944, Serial No. 519,755
16 Claims. (Cl. 66—163)



1. Means for controlling textile machinery in response to thread failure, said means comprising an element disposed beneath a normal thread path, said element comprising a capillary upper surface adapted to be readily wet, means for continuously directing electrically conductive fluent liquid against said capillary surface element from its under side, trough means beneath said surface element to receive liquid discharging therefrom, said surface element comprising a terminal of an electric machine stopping circuit, and a second terminal of said circuit adjacent but spaced lengthwise of the thread path from said surface element, whereby a displaced thread contacting said surface element is wet by capillarity beyond said surface element and to said second terminal to close the machine stopping circuit.

2,362,957

SURGICAL BONE CLAMP

George S. Hackett, Canton, Ohio, assignor to Harry Herschel Leiter, Warsaw, Ind.

Application September 27, 1941, Serial No. 412,593
3 Claims. (Cl. 128—346)



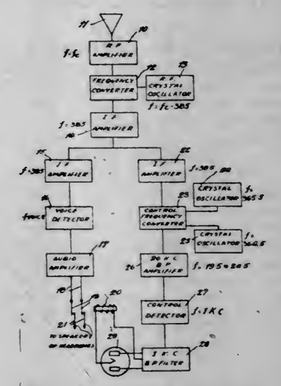
1. In a surgical bone clamp, a base member having at one end an upwardly curved bifurcated hook provided with an upturned arcuate cavity and at its other end a threaded lug, an arcuate web disposed between the tines of said hook providing a deflector, said hook having channels at its juncture with said member in the upper face thereof, a block longitudinally movable on said member provided with a pivoted jaw opposed to the hook and having limited pivotal movement thereon toward and from said hook the forward surfaces of said block and jaw affording a continuous bone-contacting face, and an operating threaded rod extending through said lug connected with said block for actuating the block.

2,362,958

RADIO RECEIVER SYSTEM

Peter C. Sandretto, Oak Park, Ill., assignor to United Air Lines, Inc., a corporation of Delaware

Application June 22, 1942, Serial No. 447,901
14 Claims. (Cl. 250—20)



1. In a radio receiver having a signal channel including an audio stage; the combination of means for rendering said receiver operative whenever, and only when, signal energy from a transmitter station is being received and regardless of existing static conditions, comprising; a control channel coupled to said signal channel for energization therefrom; means for heterodyning selected components of the signal energy in said control channel to produce heterodyne signals including a predetermined beat note in the audio frequency range; means in said control channel independent of said signal channel audio stage for sharply filtering said heterodyne signals to pass said audio beat note and substantially eliminate all other components including the static side bands thereof; and means for controlling the output circuit of said receiver to render said output circuit operative or inoperative in response to the presence or absence of said audio beat note at the output side of said filter means.

2,362,959

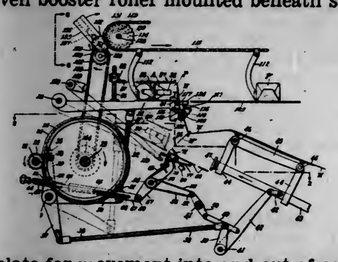
BREAD WRAPPING MACHINE

John A. Stein, Richmond Hill, and Leon V. Whipple, Floral Park, N. Y., assignors to American Machine and Foundry Company, a corporation of New Jersey

Application November 13, 1941, Serial No. 418,880
37 Claims. (Cl. 93—2)

1. In an article wrapping machine having an article infeed plate over which articles to be wrapped are moved, a lifter table movable to and from alignment with said plate, a roller mounted

beneath said table for movement therewith, and a driven booster roller mounted beneath said in-



feed plate for movement into and out of coaction with said first-named roller to hold the leading end of a wrapper depending therebetween.

2,362,960
COPOLYMERIZATION PRODUCT OF VINYL CHLORIDE AND VINYL FLUORIDE
Charles A. Thomas, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application May 8, 1941, Serial No. 392,497
5 Claims. (Cl. 260—86)

1. A process of preparing a polymerization product which comprises subjecting a mixture comprising vinyl fluoride and vinyl chloride to polymerization conditions, the amount of vinyl fluoride in said mixture being at least equal to 25% of the combined weights of the vinyl fluoride and the vinyl chloride, but not over an amount about equal to the amount of vinyl chloride.

2,362,961
PLASTIC COMPOSITIONS
William E. Welch, Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application November 1, 1940, Serial No. 363,812
6 Claims. (Cl. 260—3)

1. A composition of matter comprising a polyvinyl acetal resin and rubber in the proportion of 45 parts of polyvinyl acetal resin for every 50 parts of rubber.

2,362,962
LIFESAVING APPARATUS
George H. Bingham, Jr., Lincoln, Mass., assignor to Cambridge Rubber Company, Cambridge, Mass., a corporation of Massachusetts
Application September 3, 1943, Serial No. 501,100
11 Claims. (Cl. 9—20)



1. The combination of a suit adapted to trap a body of air and to hold it for a substantial period of time, an inflatable life preserver, and means connecting said life preserver with said suit for conducting air displaced from the suit into said life preserver to inflate the latter, said connecting means including a check valve permitting a substantially free flow of air from the suit into the life preserver but preventing a reverse flow.

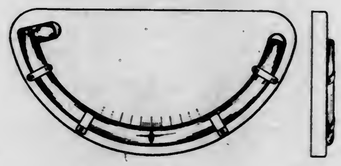
2,362,963
BARRIER JOINT OR TERMINATION FOR ELECTRIC POWER CABLES
Edwin Charles Lee, London, England, assignor to International Standard Electric Corporation, New York, N. Y.
Application May 15, 1941, Serial No. 393,564
In Great Britain June 25, 1940
8 Claims. (Cl. 174—23)

6. In an electric cable having a conductor within a sheath, a cable barrier comprising a rigid sleeve, a built-up mass of insulating tape around the conductor and swollen within the sleeve, and restraining means for holding said sleeve against the pressure from said swollen insulation within it.

DESIGNS

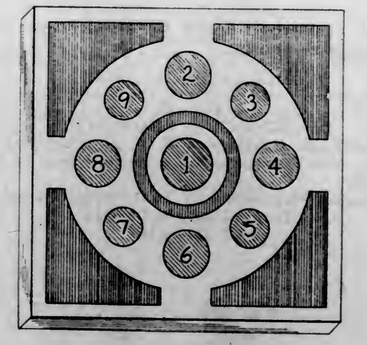
NOVEMBER 14, 1944

139,402
DESIGN FOR A CLINOMETER
John L. Chaney, Lake Geneva, Wis.
Application March 23, 1944, Serial No. 113,012
Term of patent 14 years
(Cl. D52—1)



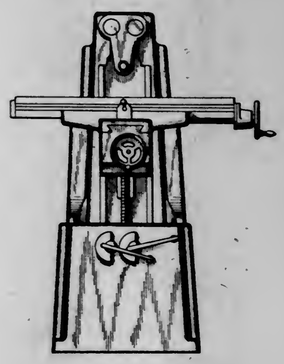
The ornamental design for a clinometer, substantially as shown and described.

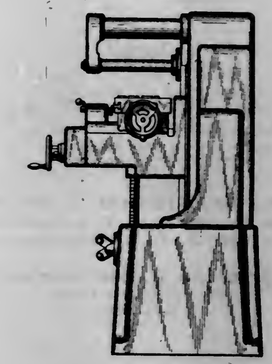
139,403
DESIGN FOR A TARGET GAME BOARD OR SIMILAR ARTICLE
Charles Harvey Churchill, Cortland, N. Y.
Application January 22, 1944, Serial No. 112,301
Term of patent 3½ years
(Cl. D34—5)

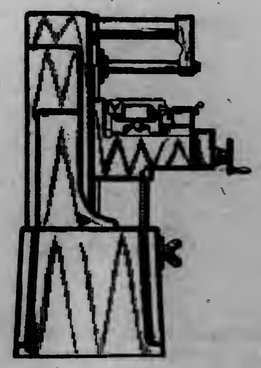


The ornamental design for a target game board or similar article, as shown and described.

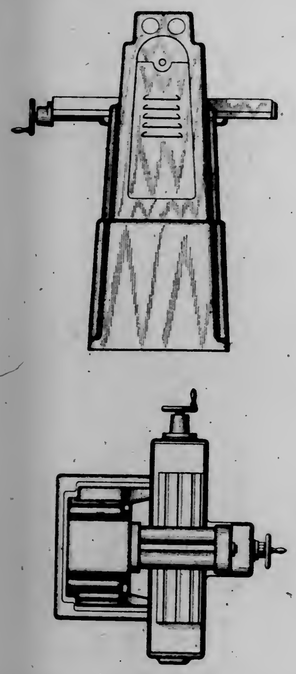
139,404
DESIGN FOR A MILLING MACHINE
Robert S. Condon, Rutland, Vt.
Application August 11, 1944, Serial No. 114,832
Term of patent 7 years
(Cl. D54—14)







139,404—Continued



The ornamental design for a milling machine, substantially as shown.

139,405
DESIGN FOR A SEPARABLE BROOCH
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application September 21, 1944, Serial No. 115,394
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a separable brooch, substantially as shown.

139,406
DESIGN FOR A SEPARABLE BROOCH
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application September 21, 1944, Serial No. 115,396
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a separable brooch, substantially as shown.

139,407
DESIGN FOR A BROOCH PIN
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application September 21, 1944, Serial No. 115,395
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch pin, substantially as shown.

139,408
DESIGN FOR A BROOCH PIN
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application September 21, 1944, Serial No. 115,397
Term of patent 7 years
(Cl. D45—19)



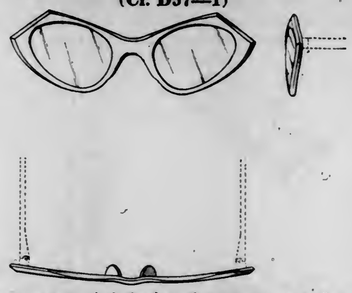
The ornamental design for a brooch pin, substantially as shown.

139,409
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application September 28, 1944, Serial No. 115,520
Term of patent 7 years
(Cl. D45—19)



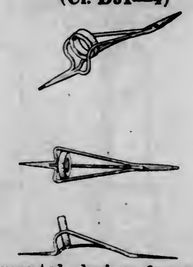
The ornamental design for a brooch or similar article, substantially as shown.

139,410
DESIGN FOR A SUN GOGGLE OR THE LIKE
Harry C. Richards, Morristown, N. J., assignor to Fosgood Corporation, Leominster, Mass., a corporation of Massachusetts
Application August 12, 1944, Serial No. 114,872
Term of patent 14 years
(Cl. D57—1)



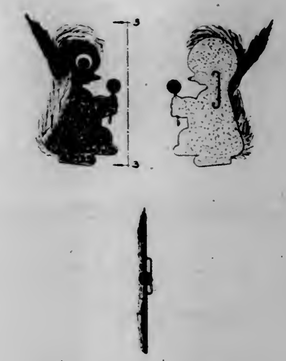
The ornamental design for a sun goggle or the like, substantially as shown and described.

139,411
DESIGN FOR A LINE GUIDE FOR FISHING RODS
William I. Treadway, Bristol, Conn., assignor to The Horton Manufacturing Company, Bristol, Conn., a corporation of Connecticut
Application August 15, 1944, Serial No. 114,890
Term of patent 14 years
(Cl. D31—4)



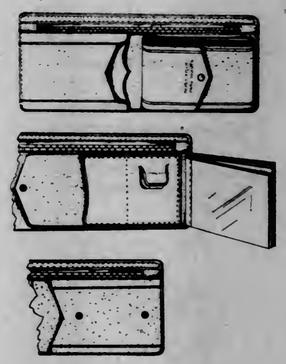
The ornamental design for a line guide for fishing rods, substantially as shown.

139,412
DESIGN FOR A PIN OR SIMILAR ARTICLE
Oscar Schreyer, New York, N. Y.
Application September 18, 1944, Serial No. 115,356
Term of patent 3½ years
(Cl. D45—19)



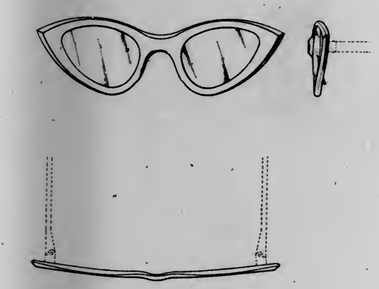
The ornamental design for a pin or similar article, as shown.

139,413
DESIGN FOR A COMBINED BILLFOLD, PASS HOLDER, AND KEY HOLDER
Samuel J. Smallman, New York, N. Y.
Application September 8, 1944, Serial No. 115,226
Term of patent 14 years
(Cl. D87—3)



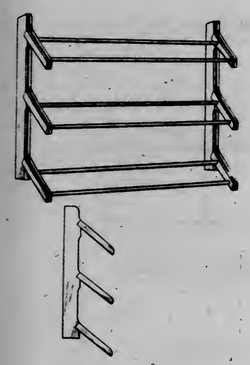
The ornamental design for a combined billfold, pass holder, and key holder, substantially as shown and described.

139,414
DESIGN FOR A SUN GOGGLE OR THE LIKE
Bernard Ulvad, Leominster, Mass., assignor to Fosgood Corporation, Leominster, Mass., a corporation of Massachusetts
Application August 12, 1944, Serial No. 114,873
Term of patent 14 years
(Cl. D57—1)



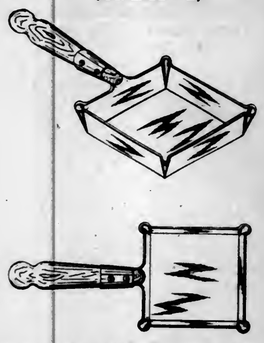
The ornamental design for a sun goggle or the like, substantially as shown and described.

139,415
DESIGN FOR A SHOE RACK
Stanley J. Brown, Elm Grove, Wis., assignor to Met-L-Top Tables Inc., Milwaukee, Wis., a corporation of Illinois
Application March 13, 1944, Serial No. 112,880
Term of patent 3½ years
(Cl. D80—9)



The ornamental design for a shoe rack, as shown.

139,416
DESIGN FOR A FRYING PAN
Helen D. Ekonomon, New York, N. Y.
Application August 18, 1944, Serial No. 114,929
Term of patent 14 years
(Cl. D44—1)



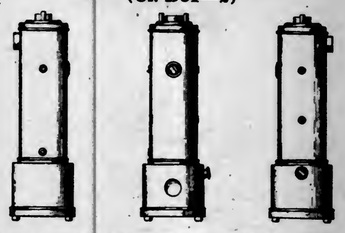
The ornamental design for a frying pan, as shown.

139,417
DESIGN FOR A COMBINED CIGARETTE, MATCH, BILL, AND COIN FOLD
Barbara Jean Glafke, New York, N. Y.
Application December 30, 1943, Serial No. 112,126
Term of patent 14 years
(Cl. D85—2)



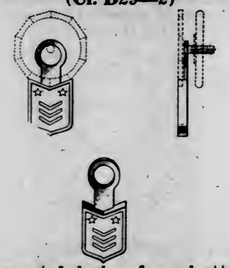
The ornamental design for a combined cigarette, match, bill, and coin fold, as shown.

139,418
DESIGN FOR AN OIL BURNER BOILER
John D. Landerman, Allston, Mass.
Application February 11, 1944, Serial No. 112,538
Term of patent 7 years
(Cl. D81—2)



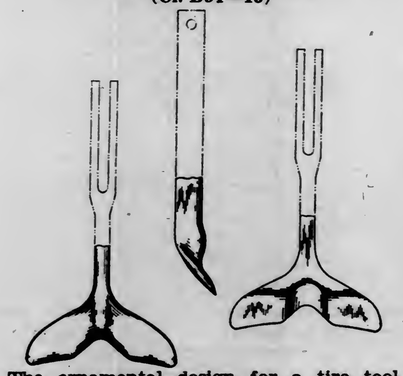
The ornamental design for an oil burner boiler, as shown.

139,419
DESIGN FOR A BUTTON
Roy Le Bourgeois, New Orleans, La.
Application April 10, 1944, Serial No. 113,208
Term of patent 14 years
(Cl. D29—2)



The ornamental design for a button, as shown and described.

139,420
DESIGN FOR A TIRE TOOL
John E. Lydle, Akron, Ohio, assignor to The Ken-Tool Manufacturing Company, Akron, Ohio, a corporation of Ohio
Application August 17, 1944, Serial No. 114,914
Term of patent 14 years
(Cl. D54—13)



The ornamental design for a tire tool, as shown.

139,421
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Frank Powell, Miami, Fla.
Application June 15, 1944, Serial No. 114,024
Term of patent 3½ years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

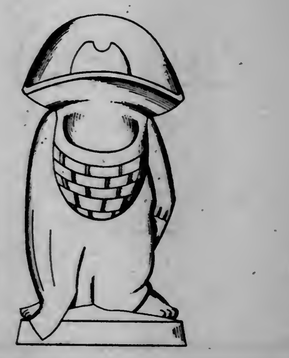
139,422
DESIGN FOR AN APPLIQUE INSIGNIA
Jesse Rafelman, Norfolk, Va.
Application August 25, 1944, Serial No. 115,030
Term of patent 14 years
(Cl. D3—9)



The ornamental design for an applique insignia, as shown.

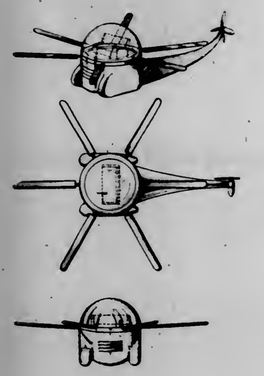
139,423
DESIGN FOR A FIGURINE
Allan Robinson, Boston, Mass.
Application February 5, 1944, Serial No. 112,456
Term of patent 3½ years
(Cl. D29—23)





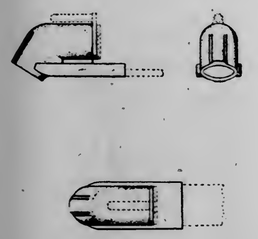
The ornamental design for a figurine, as shown.

139,424
DESIGN FOR A HELICOPTER
Mortimer F. Bates, Brooklyn, N. Y., assignor to Sperry Gyroscope Company, Inc., a corporation of New York
Application April 20, 1944, Serial No. 113,319
Term of patent 14 years
(Cl. D71—1)



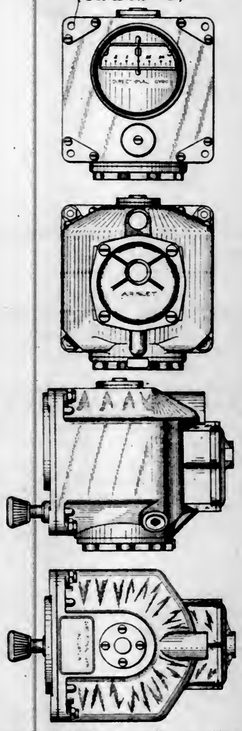
The ornamental design for a helicopter, as shown and described.

139,425
DESIGN FOR A DIAGNOSTIC INSTRUMENT HEAD
Charles A. Ellis, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application September 11, 1944, Serial No. 115,257
Term of patent 14 years
(Cl. D83—1)



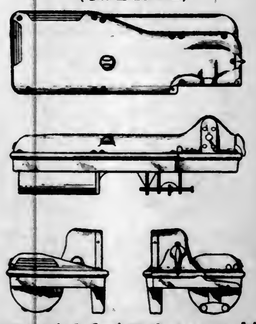
The ornamental design for a diagnostic instrument head, substantially as shown and described.

139,426
DESIGN FOR A DIRECTIONAL GYRO
Ralph M. Heintz, Cleveland, Ohio, assignor to Jack & Heintz, Inc., Bedford, Ohio, a corporation of Ohio
Application September 18, 1944, Serial No. 115,349
Term of patent 14 years
(Cl. D52—1)



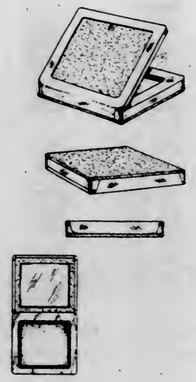
The ornamental design for a directional gyro, substantially as shown.

139,427
DESIGN FOR A COMBINED WASHER AND WRINGER DRIVE HOUSING
Merlin M. Jackson, San Jose, Calif.
Application April 10, 1944, Serial No. 113,198
Term of patent 14 years
(Cl. D49—1)



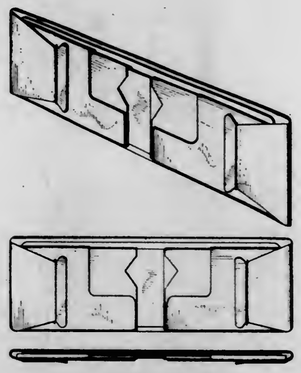
The ornamental design for a combined washer and wringer drive housing, substantially as shown.

139,428
DESIGN FOR A COMPACT
Harry Morris, Chicago, Ill.
Application August 11, 1944, Serial No. 114,815
Term of patent 7 years
(Cl. D86—10)



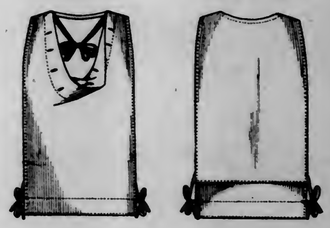
The ornamental design for a compact, substantially as shown.

139,429
DESIGN FOR A WALLET
Charles Meyers, New York, N. Y.
Substituted for abandoned application Serial No. 112,382, January 31, 1944. This application October 5, 1944, Serial No. 115,638
Term of patent 14 years
(Cl. D87—3)



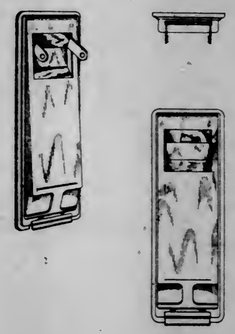
The ornamental design for a wallet, as shown and described.

139,430
DESIGN FOR A DICKEY OR SIMILAR ARTICLE
David Rothman, New York, N. Y.
Application September 1, 1944, Serial No. 115,162
Term of patent 3½ years
(Cl. D3—25)



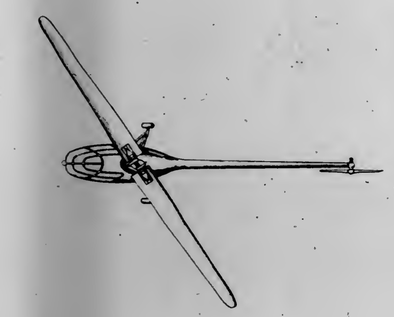
The ornamental design for a dickey or similar article, substantially as shown.

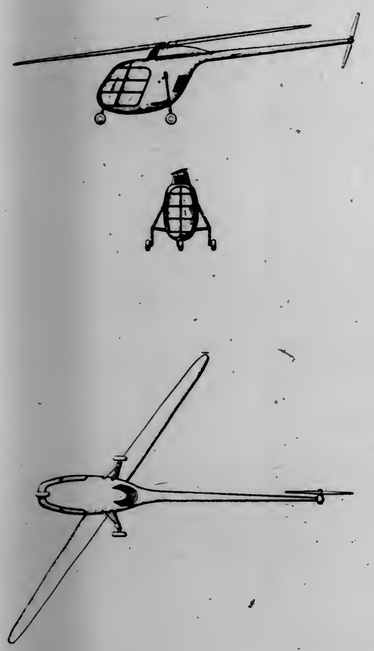
139,431
DESIGN FOR A WALL BRACKET FOR MEMORANDUM PAPER OR THE LIKE
Willis F. Sanford, Lakewood, Ohio
Application March 11, 1943, Serial No. 109,735
Term of patent 14 years
(Cl. D33—3)



The ornamental design for a wall bracket for memorandum paper or the like, substantially as shown.

139,432
DESIGN FOR A HELICOPTER
William B. Stout, Pontiac, Mich., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif., a corporation of Delaware
Application April 13, 1944, Serial No. 113,237
Term of patent 14 years
(Cl. D71—1)





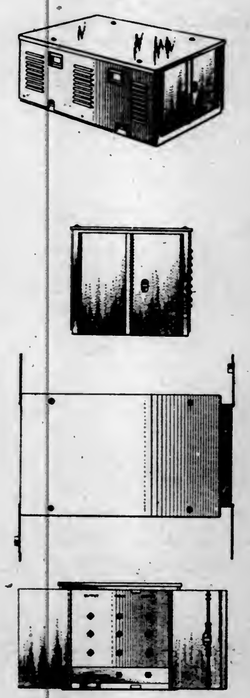
The ornamental design for a helicopter, substantially as shown.

139,433
DESIGN FOR A COMBINED PERFUME BOTTLE AND STOPPER OR SIMILAR ARTICLE
John D. Buckingham, Chicago, Ill., assignor to Lucien Lelong, Inc., Chicago, Ill., a corporation of Illinois
Application August 17, 1944, Serial No. 114,913
Term of patent 14 years
(Cl. D58—6)



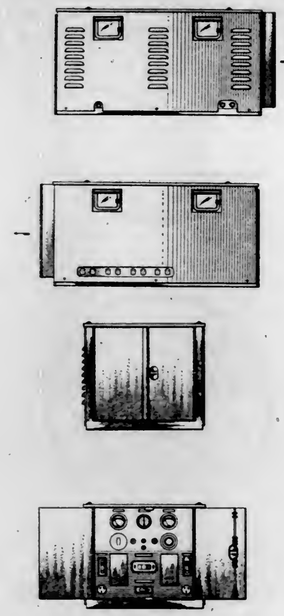
The ornamental design for a combined perfume bottle and stopper, or similar article, as shown.

139,434
DESIGN FOR A CUBICLE FOR ELECTRICAL CONTROL PANELS
Kibbey W. Couse, Newark, N. J.
Application May 9, 1944, Serial No. 113,528
Term of patent 14 years
(Cl. D26—5)

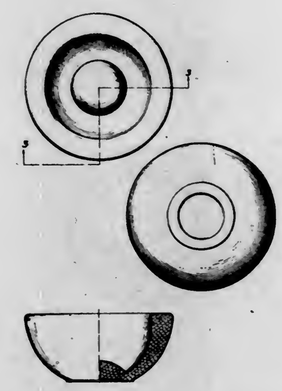


The ornamental design of a cubicle for electrical control panels, as shown.

139,434—Continued

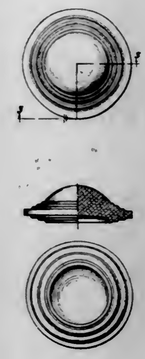


139,435
DESIGN FOR A COMBINED LENS AND ASH TRAY
George M. Cressaty, New York, N. Y.
Application August 23, 1944, Serial No. 114,991
Term of patent 14 years
(Cl. D48—1)



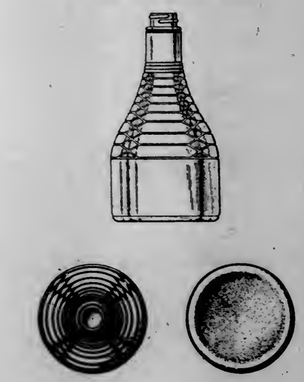
The ornamental design for a combined lens and ash tray, substantially as shown.

139,436
DESIGN FOR A LENS OR SIMILAR ARTICLE
George M. Cressaty, New York, N. Y.
Application August 23, 1944, Serial No. 114,993
Term of patent 14 years
(Cl. D48—1)



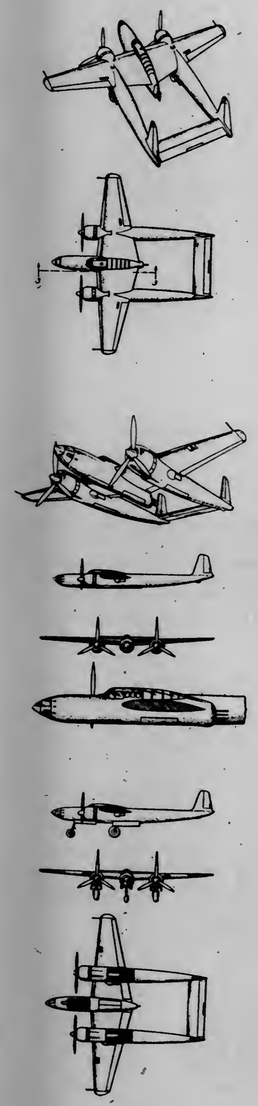
The ornamental design for a lens or similar article, substantially as shown.

139,437
DESIGN FOR A BOTTLE
Edwin W. Fuerst, Toledo, Ohio, assignor to Beatrice Creamery Company, Chicago, Ill., a corporation of Delaware
Application August 25, 1944, Serial No. 115,028
Term of patent 14 years
(Cl. D58—8)



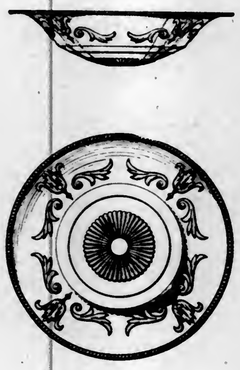
The ornamental design for a bottle, as shown.

139,438
DESIGN FOR AN AIRPLANE
Howard R. Hughes, Houston, Tex., Virginius E. Clark, Pacific Palisades, and Stanley A. Bell, Glendale, Calif., assignors to Hughes Tool Company, Houston, Tex., a corporation of Delaware
Application August 16, 1943, Serial No. 110,926
Term of patent 14 years
(Cl. D71—1)



The ornamental design for an airplane, substantially as shown.

139,439
DESIGN FOR A LIGHTING FIXTURE BOWL
Fred Knoblock, Waterbury, Conn.
Application May 17, 1944, Serial No. 113,634
Term of patent 14 years
(Cl. D48—16)



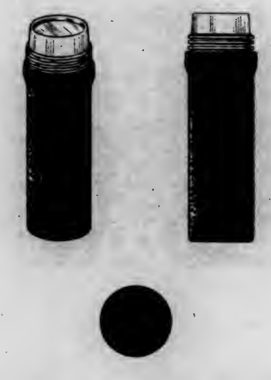
The ornamental design for a lighting fixture bowl, as shown.

139,440
DESIGN FOR A LIGHTING FIXTURE BOWL
Fred Knoblock, Waterbury, Conn.
Application May 17, 1944, Serial No. 113,635
Term of patent 14 years
(Cl. D48—16)



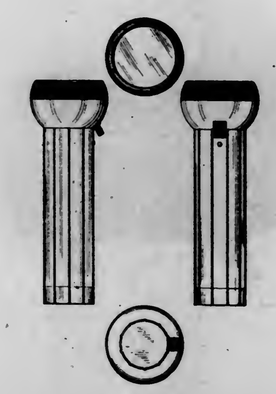
The ornamental design for a lighting fixture bowl, as shown.

139,441
DESIGN FOR A FLASHLIGHT OR LIKE ARTICLE
Joshua Gordon Lippincott, Scarsdale, N. Y., assignor to Guth, Stern & Co., Inc., a corporation of New York
Application June 2, 1944, Serial No. 113,839
Term of patent 14 years
(Cl. D48—24)



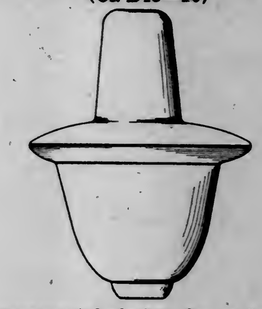
The ornamental design for a flashlight or like article, as shown.

139,442
DESIGN FOR A FLASHLIGHT OR LIKE ARTICLE
Joshua Gordon Lippincott, Scarsdale, N. Y., assignor to Guth, Stern & Co., Inc., a corporation of New York
Application June 2, 1944, Serial No. 113,840
Term of patent 7 years
(Cl. D48—24)



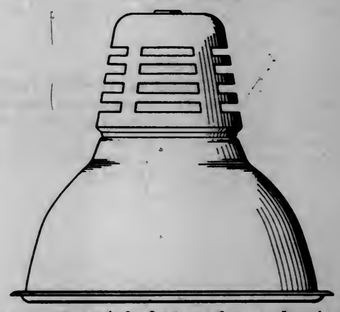
The ornamental design for a flashlight or like article, as shown.

139,443
DESIGN FOR A LUMINAIRE
Joshua Gordon Lippincott, Scarsdale, N. Y., assignor to Holophane Company, Inc., New York, N. Y., a corporation of Delaware
Application August 12, 1944, Serial No. 114,851
Term of patent 7 years
(Cl. D48—16)



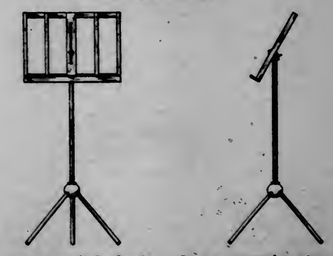
The ornamental design for a luminaire, as shown and described.

139,444
DESIGN FOR A LUMINAIRE
Joshua Gordon Lippincott, Scarsdale, N. Y., assignor to Holophane Company, Inc., New York, N. Y., a corporation of Delaware
Application August 12, 1944, Serial No. 114,852
Term of patent 7 years
(Cl. D48—16)



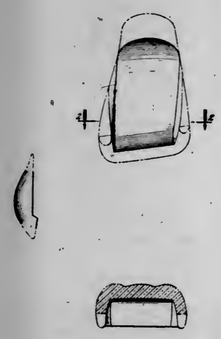
The ornamental design for a luminaire, as shown and described.

139,445
DESIGN FOR A MUSIC STAND
Herb C. Barger, Denver, Colo.
Application March 4, 1944, Serial No. 112,780
Term of patent 7 years
(Cl. D33—10)



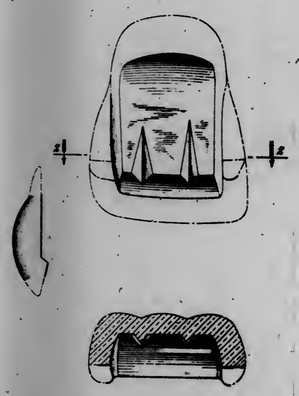
The ornamental design for a music stand, as shown.

139,446
DESIGN FOR AN ARTIFICIAL TOOTH FACING
Leo D. Brubaker, York, Pa., assignor to The Dentists' Supply Company of New York, New York, N. Y., a corporation of New York
Application October 20, 1943, Serial No. 111,428
Term of patent 14 years
(Cl. D24—1)



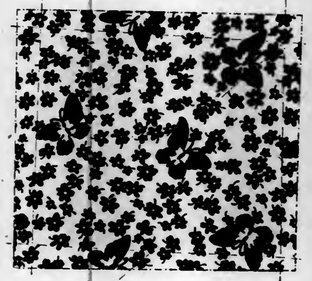
The ornamental design for an artificial tooth facing, substantially as shown and described.

139,447
DESIGN FOR AN ARTIFICIAL TOOTH FACING
Leo D. Brubaker, York, Pa., assignor to The Dentists' Supply Company of New York, New York, N. Y., a corporation of New York
Application October 20, 1943, Serial No. 111,427
Term of patent 14 years
(Cl. D24—1)



The ornamental design for an artificial tooth facing, substantially as shown and described.

139,448
DESIGN FOR A TEXTILE FABRIC
Marcel Christen, New York, N. Y.
Application September 12, 1944, Serial No. 115,277
Term of patent 3½ years
(Cl. D92—1)



The ornamental design for a textile fabric, substantially as shown and described.

139,449
DESIGN FOR A CRADLE
Fred H. Fink, New York, N. Y.
Application May 21, 1943, Serial No. 110,247
Term of patent 7 years
(Cl. D5—5)



The ornamental design for a cradle, as shown and described.

139,450
DESIGN FOR AN EMBROIDERED TRIMMING
John Goldfrank, New York, N. Y.
Application August 17, 1944, Serial No. 114,903
Term of patent 3½ years
(Cl. D92—1)



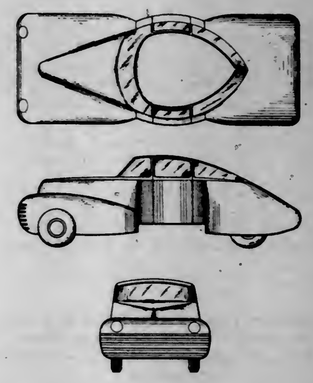
The ornamental design for an embroidered trimming, substantially as shown.

139,451
DESIGN FOR AN EMBROIDERED TRIMMING
John Goldfrank, New York, N. Y.
Application August 17, 1944, Serial No. 114,904
Term of patent 3½ years
(Cl. D92—1)



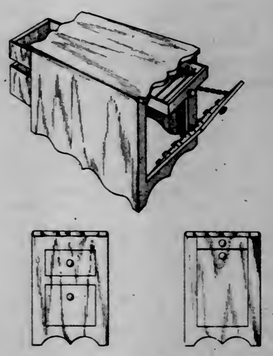
The ornamental design for an embroidered trimming, substantially as shown.

139,452
DESIGN FOR AN AUTOMOBILE
Leo J. O'Kane, Bayonne, N. J.
Application January 7, 1943, Serial No. 109,214
Term of patent 14 years
(Cl. D14—3)



The ornamental design for an automobile, as shown.

139,453
DESIGN FOR A SEWING CABINET
Louis T. Roberts, Pittsburg, Calif.
Application March 7, 1944, Serial No. 112,808
Term of patent 14 years
(Cl. D3—19)



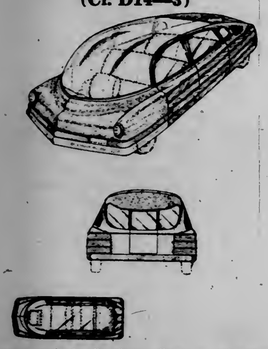
The ornamental design for a sewing cabinet, as shown and described.

139,454
DESIGN FOR A DRESS
Michael Gregory Stein, Brooklyn, N. Y., assignor to Meyer Schatzberg, doing business as Atlas Half Size Dress Co., New York, N. Y.
Application September 9, 1944, Serial No. 115,245
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, as shown.

139,455
DESIGN FOR A STATION WAGON
George W. Walker, Pleasant Ridge, Mich., assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich., a corporation
Application November 29, 1943, Serial No. 111,805
Term of patent 3½ years
(Cl. D14—3)



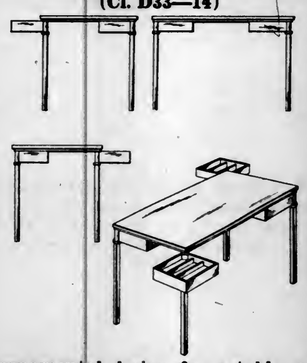
The ornamental design for a station wagon, substantially as shown.

139,456
DESIGN FOR A DRESS
Joset Walker, New York, N. Y.
Application July 24, 1944, Serial No. 114,527
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

139,457
DESIGN FOR A TABLE
Bruno R. Weill, Statesville, N. C., assignor to Thonet Brothers, Inc., New York, N. Y.
Application August 22, 1944, Serial No. 114,970
Term of patent 14 years
(Cl. D33—14)



The ornamental design for a table, as shown and described.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Accessories Mfg. Co. (See Pratt, Elbert H.)
Adam Hat Stores, Inc., New York, N. Y. Hats and caps for men. Serial No. 470,061; Nov. 14. Class 39.
Adams, Frances, Hats, New York, N. Y. Ladies' and misses' hats and hat frames. Serial No. 472,627; Nov. 14. Class 39.
Adjustable Clamp Company, Chicago, Ill. Hand, and screw clamps, and for lathe dogs. Serial No. 474,149; Nov. 4. Class 23.
Air Reduction Sales Company, New York, N. Y. Apparatus for mixing and proportioning gases. Serial No. 473,203; Nov. 14. Class 26.
Aristocrat Leather Products, Inc., New York, N. Y. Compact and vanity cases, cases for eyeglasses, etc. Serial No. 469,529; Nov. 14. Class 2.
Armstrong Cork Company, Lancaster, Pa. Bottle corks. Serial No. 473,928; Nov. 14. Class 50.
Artcraft Floral Company. (See Furlonge, James A. S.)
Ash Grove Lime & Portland Cement Company, Kansas City, Mo. Portland cement. Serial No. 471,383; Nov. 14. Class 12.
Associated Broadcasters, Inc., The, San Francisco, Calif. Automatic gain control electronic apparatus. Serial No. 473,406; Nov. 14. Class 21.
Atlas Plywood Corporation, Boston, Mass. Shipping cases. Serial No. 473,054; Nov. 14. Class 2.
Baer, Otto, Inc., Buffalo, N. Y. Finger rings. Serial No. 473,833; Nov. 14. Class 28.
Beaumart Co., New York, N. Y. Junior, misses' and ladies' dresses, skirts, blouses, etc. Serial No. 470,879; Nov. 14. Class 39.
Bendix Aviation Corporation, North Hollywood, Calif. Radio receiving sets. Serial No. 474,016; Nov. 14. Class 21.
Bernstein Brothers, Los Angeles, Calif. Piece goods of hand-screened print textile fabrics. Serial No. 473,306; Nov. 14. Class 42.
Black & Decker Electric Company, The, Kent, Ohio. Fractional horse power electrical motors. Serial No. 472,836; Nov. 14. Class 21.
Blackstone Plush Mills, Inc., Clinton, Mass. Pile fabrics. Serial No. 468,829; Nov. 14. Class 42.
Bradt, Charles C., doing business as Hub Distributing Company, Kansas City, Mo. Resilient, self-adjusting spring and wedging cone follower equipped threaded bolts. Serial No. 464,913; Nov. 14. Class 13.
Brunswick-Balke-Collender Company, The, Chicago, Ill. Electric foul detecting and indicating apparatus for bowling alleys. Serial No. 464,467; Nov. 14. Class 21.
Central Paper Company, Inc., Muskegon, Mich. Food protection papers. Serial No. 473,593; Nov. 14. Class 37.
Central Soya Company, Inc., Fort Wayne, Ind. Soy lecithin. Serial No. 470,066; Nov. 14. Class 6.
Cerro De Pasco Copper Corporation, New York, N. Y. Metal alloys. Serial No. 472,095; Nov. 14. Class 14.
Charles of the Ritz, Inc., New York, N. Y. Perfumes, toilet waters, dusting powder, etc. Serial No. 472,731; Nov. 14. Class 6.
Chase Watch Corp., New York, N. Y. Watches and watch movements. Serial No. 471,790; Nov. 14. Class 27.
Chemitex Products. (See Tutelman, Mark S.)
Chevette, Inc., New York, N. Y. Ladies', misses' and children's pajamas, nightgowns, etc. Serial No. 472,733; Nov. 14. Class 39.
Chicago Plastic Products Co., Inc., Chicago, Ill. Foot ointment. Serial No. 472,550; Nov. 14. Class 6.
Chromium Mining & Smelting Corporation, Limited, Sault Ste. Marie, Ontario, Canada, Exothermic metallurgical slag forming materials. Serial No. 458,327; Nov. 14. Class 1.
Ciba Company, Inc., New York, N. Y. Synthetic aldehyde triazine resins. Serial No. 472,936; Nov. 14. Class 1.
Cohen, Felix G., doing business as Subtropical Sales Co., Oakland, Calif. Fresh fruits. Serial No. 468,661; Nov. 14. Class 46.
Columbia Protektosite Co. Inc., Carlstadt, N. J. Plastic, toy tea sets. Serial No. 474,112; Nov. 14. Class 22.
Congoleum-Nairn Inc., Kearny, N. J. Impregnated or treated wide cotton webbing. Serial No. 470,173; Nov. 14. Class 42.
Crescent Bronze Powder Co., Chicago, Ill. Metallic paint pigments, bronze powder, aluminum powder, etc. Serial No. 472,941; Nov. 14. Class 16.
Crocker, Burbank & Co., Ass'cn., Fitchburg, Mass. Paper—namely, map paper and hanging paper. Serial No. 473,773; Nov. 14. Class 37.
Custom Products Company, Des Moines, Iowa. Writing paper and envelopes. Serial No. 473,141; Nov. 14. Class 37.
Day-Brite Lighting, Inc., St. Louis, Mo. Fluorescent lighting fixtures and parts thereof. Serial No. 470,069; Nov. 14. Class 21.
Dianafix Company. (See Kirschner, Alexander E.)
Dillon, D. C., & Company. (See Dillon, Daniel C., Jr.)
Dillon, Daniel C., Jr., doing business as D. C. Dillon & Company, Irvington, N. J. Safety razors. Serial No. 472,695; Nov. 14. Class 23.
Dixie Cotton Products Co., Opelika, Ala. Fishing lines. Serial No. 474,071; Nov. 14. Class 22.
Doc Food Product Company. (See Salanitro, Alfred A.)
Dominion Magnesium Limited, Toronto, Ontario, Canada. Magnesium metals and magnesium alloys. Serial No. 473,412; Nov. 14. Class 14.
Douglas, Charles B., doing business as Douglas Company, Charlotte, N. C. Faucet washers. Serial No. 473,882; Nov. 14. Class 35.
Douglas Company. (See Douglas, Charles B.)
Internal-combustion engine. Sleeve valve engine.
Excitement, Incorporated, Chicago, Ill. Perfumes, colognes, perfume sticks and cologn sachets. Serial No. 469,989; Nov. 14. Class 6.
Fairbanks, Morse & Co., Chicago, Ill. Refrigerator apparatus and industrial fluid coolers. Serial No. 463,749; Nov. 14. Class 31.
Firman Leather Goods Co., New York, N. Y. Fitted and unfitted, leather dressing cases, bill folds, change purses, etc. Serial No. 472,239; Nov. 14. Class 3.
Foss & Company. (See Foss, Louis.)
Foss, Louis, doing business as Foss & Company, Vineland, N. J. Chemical preparation for use in preserving and waterproofing wood, etc. Serial No. 472,773; Nov. 14. Class 6.
Foster, Charles H., New York, N. Y. Perfume. Serial No. 468,882; Nov. 14. Class 6.
Furlonge, James A. S., doing business as Artcraft Floral Company, Los Angeles, Calif. Crepe paper flocked with materials such as cotton, wool, or rayon. Serial No. 470,224; Nov. 14. Class 37.
General Dyestuff Corporation, New York, N. Y. Detergent preparations. Serial No. 471,475; Nov. 14. Class 4.
Ginsburg, Barnet, & Nat Abelson, Inc., New York, N. Y. Ladies' and misses' dresses. Serial No. 473,315; Nov. 14. Class 39.
Globe Chemical Company, The, St. Bernard, Ohio. Powdered cleaning compound. Serial No. 473,777; Nov. 14. Class 4.
Globe Roofing Products Co., Inc., Whiting, Ind. Asphalt insulation or backing board. Serial No. 472,849; Nov. 14. Class 12.
Goodwin Preserving Co., Louisville, Ky. Fruit jam. Serial No. 469,124; Nov. 14. Class 46.
Halaby, Samuel A., doing business as Samuel Halaby Company, Rochester, N. Y. Soap. Serial No. 462,769; Nov. 14. Class 4.
Halaby, Samuel, Company. (See Halaby, Samuel A.)
Haller, W. A., Company, Inc., Pittsburgh and Philadelphia, Pa. Potable, distilled spirituous beverages. Serial No. 468,285; Nov. 14. Class 49.
Helbros Watch Company, Inc., New York, N. Y. Watches, watch movements and watch cases. Serial No. 464,869; Nov. 14. Class 27.
Herbert Manufacturing Company, New York, N. Y. Piece goods of cotton, rayon, and mixtures of cotton and rayon. Serial No. 471,033; Nov. 14. Class 42.
Hit Parade, Inc., New York, N. Y. Games and toys. Serial No. 471,556; Nov. 14. Class 22.
Hoffmann-La Roche, Inc., Nutley, N. J. Vitamin preparations. Serial No. 472,777; Nov. 14. Class 6.
Holt, Frank J., doing business as Nutrition Products Company, Aurora, Ill. Medicine for calves in the nature of capsules. Serial No. 470,266; Nov. 14. Class 6.
Hooper, Wm. E., & Sons Co., Baltimore, Md. Cotton laundry pads, knitted cotton padding, cover cloth for laundry padding, etc. Serial No. 463,230; Nov. 14. Class 24.
Hub Distributing Company. (See Bradt, Charles C.)
Impell, Thomas, Cold Spring, N. Y. Scalp cleanser and hairdressing. Serial No. 473,062; Nov. 14. Class 6.
Jamison, Edward S., doing business as James Jamison Company, New York, N. Y. Men's socks. Serial No. 468,756; Nov. 14. Class 39.
Jamison, James, Company. (See Jamison, Edward S.)
Kayser, Julius, & Co., New York, N. Y. Women's slips. Serial No. 466,700; Nov. 14. Class 39.
Kirschner, Alexander E., doing business as Dianafix Company, Paterson, N. J. Men's and women's house slippers. Serial No. 473,031; Nov. 14. Class 39.
Koenig, Aaron, New York, N. Y. Diamonds. Serial No. 468,844; Nov. 14. Class 28.
Kono, Alexander, doing business as Kono Manufacturing Company, Woodside, Long Island, assignor to The Kono Manufacturing Company, Woodside, N. Y. Eyeglass and spectacle frames and parts therefor. Serial No. 458,942; Nov. 14. Class 26.

Kono, Alexander, doing business as Kono Manufacturing Company, Woodside, Long Island, assignor to The Kono Manufacturing Company, Woodside, N. Y. Eyeglass and spectacle frames and parts therefor. Serial Nos. 462,387–8; Nov. 14. Class 26.
Kono Manufacturing Company. (See Kono, Alexander.)
Kowalski, Bertha. (See Kowalski, Howard B. and B.)
Kowalski, Howard B., and Bertha Kowalski, Ossining, N. Y. Salve. Serial No. 470,270; Nov. 14. Class 6.
Kroger Grocery & Baking Company, The, Cincinnati, Ohio. Food package consisting of dried beans and a flavoring and seasoning sauce therefor. Serial No. 455,235; Nov. 14. Class 46.
Lackawanna Leather Co., The, Hackettstown, N. J. Hides and leathers. Serial No. 470,665; Nov. 14. Class 1.
Larkin Packer Company, St. Louis, Mo. Well cementing and casing shoes. Serial No. 473,993; Nov. 14. Class 23.
Laucks, I. F., Inc., Seattle, Wash. Food product. Serial No. 463,523; Nov. 14. Class 46.
Lebanon Woolen Mills, Inc., Lebanon, Tenn., and New York, N. Y. Blankets. Serial No. 470,227; Nov. 14. Class 42.
Lentheric, Incorporated, New York, N. Y. Vanity cases. Serial No. 438,045; Nov. 14. Class 6.
Leslie, Joan, Blouse Corporation, New York, N. Y. Ladies' and misses' blouses. Serial No. 471,670; Nov. 14. Class 39.
Liberty Coach Co., Inc., Bremen, Ind. House trailers. Serial No. 470,033; Nov. 14. Class 19.
Liberty Coach Co., Inc., Bremen, Ind. House trailers. Serial No. 470,272; Nov. 14. Class 19.
Little Shipyard, The. (See Otterstedt, Herman W.)
Lorenz, George E., Philadelphia, Pa. Drill bits. Serial No. 471,352; Nov. 14. Class 23.
Lummis & Company, Philadelphia, Pa. Peanut butter, salted peanuts, and nut confections. Serial No. 474,173; Nov. 14. Class 46.
Maas, W. S., Inc., New York, N. Y. Brassières. Serial No. 473,455; Nov. 14. Class 39.
Madcaps Company, New York, N. Y. Ladies' and misses' hats, wraps, bands and shawls. Serial No. 471,225; Nov. 14. Class 39.
Maxey, C. Sheldon, Michigan City, Ind. Jig saw puzzles. Serial No. 474,086; Nov. 14. Class 22.
Merrit Products Company. (See National Toilet Company.)
Moore, George S., doing business as Sam Moore, Chicago, Ill. Waste paper baskets. Serial No. 473,257; Nov. 14. Class 2.
Moore, Sam. (See Moore, George S.)
Mound City Paint & Color Co., St. Louis, Mo. Flat wall finish paint, pigment wall sealer, semigloss paint, etc. Serial No. 470,036; Nov. 14. Class 16.
Nardis Sportswear, Inc., Dallas, Tex. Women's and misses' sportswear. Serial No. 472,153; Nov. 14. Class 39.
National Record Company, Phillipsburg, N. J. Musical phonograph records. Serial No. 470,382; Nov. 14. Class 36.
National Toilet Company, doing business as Merrit Products Company, Paris, Tenn. Adhesive household cement. Serial No. 472,462; Nov. 14. Class 5.
North, Samuel N., doing business as Stabilite Co., Oceanside, Calif. Chemical compound for use in storage batteries or the like. Serial No. 471,412; Nov. 14. Class 6.
Northome Furniture Industries Inc., Dubuque, Iowa. Upholstered davenports, upholstered lounge chairs, etc. Serial No. 471,913; Nov. 14. Class 32.
Nutrition Products Company. (See Holt, Frank J.)
Otterstedt, Herman W., doing business as The Little Shipyard, Sea Cliff, Long Island, N. Y. Miniature toy yacht models. Serial No. 472,464; Nov. 14. Class 6.
Pervo Company, The, Los Angeles, Calif. Paste, semipaste and ready-mixed paints, liquid paints, etc. Serial No. 471,415; Nov. 14. Class 16.
Peter, Emmett B., Leesburg, Fla. Fresh citrus fruits. Serial No. 474,462; Nov. 14. Class 46.
Philadelphia Steel and Wire Corporation, Philadelphia, Pa. Spring washers. Serial No. 471,624; Nov. 14. Class 13.
Philco Corporation, Philadelphia, Pa. Electrical vacuum tubes. Serial No. 473,124; Nov. 14. Class 21.
Pioneer Gen-E-Motor Corporation, Chicago, Ill. Generators, electric motors, dynamotors, etc. Serial Nos. 473,423–5; Nov. 14. Class 21.
Plastic Manufacturers, Incorporated, Stamford, Conn. Aircraft instrument board switch levers. Serial No. 474,208; Nov. 14. Class 21.
Pratt, Elbert H., doing business as Accessories Mfg. Co., Kansas City, Mo. Combined insulator wire clamp and hook receiving member. Serial No. 474,093; Nov. 14. Class 21.
Prodol Company, Inc., New York, N. Y. Headache preparation. Serial No. 470,864; Nov. 14. Class 6.
Progressive Musical Instrument Corporation, New York, N. Y. Musical instruments. Serial No. 459,053; Nov. 14. Class 36.
Quaker Chemical Products Corporation, Conshohocken, Pa. Textile softener and finish. Serial No. 473,337; Nov. 14. Class 6.
R. B. C. Co., Indianapolis, Ind. Pharmaceutical preparation for relief of cold infections and muscular aches and pains. Serial No. 473,158; Nov. 14. Class 6.
Racine, Jules, & Company. (See Wallace, George N.)
Red Jacket Coal Sales Company, Columbus, Ohio. Coal. Serial No. 469,784; Nov. 14. Class 1.
Redman, Frank R., Yardley, Pa. Washable fabric in the piece. Serial No. 473,339; Nov. 14. Class 42.
Rivero, Antero V., Miami, Fla. Toy tom-toms and toy war drums. Serial No. 473,788; Nov. 14. Class 22.
Riverside & Dan River Cotton Mills, Inc., Danville, Va., and New York, N. Y. Piece goods of cotton, rayon, wool and silk, etc. Serial No. 456,810; Nov. 14. Class 42.
Roxalin Flexible Finishes, Inc., Elizabeth, N. J. Liquid and solid compounds in the nature of coatings and penetrants. Serial No. 473,399; Nov. 14. Class 21.
Sagner's, A., Son, Frederick, Md. Men's and ladies' suits and topcoats. Serial No. 473,341; Nov. 14. Class 39.
Salnitro, Alfred A., doing business as Doc Food Product Company, Bloomfield, N. J. Canned beans. Serial No. 448,804; Nov. 14. Class 46.
Scherk Corp., assignor to Ludwig Scherk, Inc., New York, N. Y. Perfumes and cosmetics, starches and starch preparations, etc. Serial No. 462,148; Nov. 14. Class 6.
Scherk, Ludwig, Inc. (See Scherk Corp.)
Sears, Roebuck and Co., Chicago, Ill. Grain, flower, vegetable, and grass seeds, bulbs, plants, etc. Serial No. 472,717; Nov. 14. Class 1.
Sol Fletcher, Inc., New York, N. Y. Woolen piece goods. Serial No. 466,485; Nov. 14. Class 42.
Stabilite Co. (See North, Samuel N.)
Stanley Chemical Company, The, East Berlin, Conn. Dry, paste, and ready-mixed industrial and house paints, varnishes, japans, etc. Serial No. 460,681; Nov. 14. Class 16.
Stark Sound Engineering Corp., Fort Wayne, Ind. Sound amplifying and reproducing apparatus. Serial No. 473,236; Nov. 14. Class 21.
Stewart Clay Co., Inc., New York, N. Y. Toy modeling clay sets. Serial No. 472,475; Nov. 14. Class 22.
Stona Watch Company, New York, N. Y. Watches and parts thereof. Serial No. 473,789; Nov. 14. Class 27.
Subtropical Sales Co. (See Cohen, Felix G.)
Tobin Packing Co., Inc., Fort Dodge, Ia. Live stock and poultry feeds. Serial No. 460,682; Nov. 14. Class 46.
Toy Kraft Incorporated, Wooster, Ohio. Toy wagons. Serial No. 462,547; Nov. 14. Class 22.
Tutelman, Mark S., doing business as Chemitex Products, Philadelphia, Pa. Chemically treated cloths. Serial No. 463,219; Nov. 14. Class 4.
Upjohn, Henry, Kalamazoo, Mich. Cribbage boards. Serial No. 473,873; Nov. 14. Class 22.
Van Daalen, Henry, A. S., New York, N. Y. Life saving equipment. Serial No. 467,176; Nov. 14. Class 21.
Van Raalte Company, Inc., New York, N. Y. Gloves. Serial No. 472,480; Nov. 14. Class 39.
Villa Laboratories, Limited, Liverpool, England. Preparations for cleaning and polishing floors and furniture. Serial No. 468,053; Nov. 14. Class 16.
Wallace, George N., doing business as Jules Racine & Company, New York, N. Y. Watches and parts thereof. Serial No. 469,662; Nov. 14. Class 27.
Wallace Laboratories, Inc., New Brunswick, N. J. Pharmaceutical ointment and liquid for use as an antiseptic. Serial No. 472,970; Nov. 14. Class 6.
Warner, William R., & Co., Inc., Wilmington, Del., and New York, N. Y. Deodorant and mouth wash. Serial No. 473,165; Nov. 14. Class 6.
Warner, William R., & Co., Inc., Wilmington, Del., and New York, N. Y. Expectorant. Serial No. 473,167; Nov. 14. Class 6.
Wilbur-Suchard Chocolate Company, Inc., Borough of Lititz, Pa. Chocolate coatings, chocolate liquors, cocoa, etc. Serial No. 461,621; Nov. 14. Class 46.
Wilbur-Suchard Chocolate Company, Inc., Borough of Lititz, Pa. Chocolate coatings, chocolate liquors, cocoa, etc. Serial No. 461,622; Nov. 14. Class 46.
Wright Fruit Company. (See Wright, R. M.)
Wright, R. M., doing business as Wright Fruit Company, Dinuba, Calif. Fresh fruits. Serial No. 473,238; Nov. 14. Class 46.
Wyckoff, Frances, Astoria, Long Island, N. Y. Periodically published booklets. Serial No. 470,873; Nov. 14. Class 38.
Wyeth Incorporated. (See Wyeth, John, & Brother, Incorporated.)
Wyeth, John, & Brother, Incorporated, Philadelphia, Pa., now by changes of name Wyeth Incorporated. Venereal prophylaxis units. Serial No. 458,469; Nov. 14. Class 6.
Zarp, Floyd W., Omaha, Nebr. Potato chips. Serial No. 473,652; Nov. 14. Class 46.
Zellerbach Paper Company, San Francisco, Calif. Bathroom tissue. Serial No. 473,653; Nov. 14. Class 37.

LIST OF REGISTRANTS OF TRADE-MARKS

Ackshand Knitting Co., Inc. (See Ballston Knit Glove Company.)
Acme-Evans Company, Inc., doing business as Lawrenceburg Roller Mills Company, Indianapolis and Lawrenceburg, Ind. Self-rising flour, wheat flour. 410,195; Nov. 14; Serial No. 466,317; published Aug. 29, 1944. Class 46.
Adjustable Clamp Company, Chicago, Ill. Cabinet clamps. 196,635; renewed Mar. 24, 1945.
Albro Packing Company, The. (See Altshuler Brothers & Company, assignor.)
Alligator Henry's Leather Company. (See Cowgill, Henry.)
Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Rotary sheaves, pulleys and bushings. 410,209; Nov. 14; Serial No. 469,950; published Aug. 22, 1944. Class 23.
Altshuler Brothers & Company, assignor to The Albro Packing Company, Youngstown, Ohio. Vinegar, pickles, sauerkraut, etc. 196,108; renewed Mar. 10, 1945.
American Bosch Corporation, Springfield, Mass. Internal combustion engines and electric lighting systems, timer-distributors, etc. 410,238; Nov. 14; Serial No. 472,133; published Sept. 5, 1944. Class 21.
American Can Company, New York, N. Y. Cans and like containers. 195,289; renewed Feb. 24, 1945.
American Foundry Equipment Company, Mishawaka, Ind. Machines for the surface hardening of metal parts. 410,216; Nov. 14; Serial No. 470,843; published Aug. 29, 1944. Class 23.
American Woolen Company, Boston, Mass., and New York, N. Y. Woolen piece goods. 410,246; Nov. 14. Class 42.
Amrop Trading Co., New York, N. Y. Toilet tissue. 410,190; Nov. 14; Serial No. 465,332; published Feb. 29, 1944. Class 37.
Ansehl, Benjamin, Company, The. (See Nachtrieb, H. A., assignor.)
Arabol Mf'g Co., The, New York, N. Y. Adhesive paste. 196,521; renewed Mar. 17, 1945.
Arvey Corporation, Chicago, Ill. Glues, pastes and adhesive cements. 410,217; Nov. 14; Serial No. 470,956; published Sept. 5, 1944. Class 5.
Associated Distributors, Inc. (See Wanamaker, John, Philadelphia, assignor.)
Associated Seed Growers, Inc., New Haven, Conn. Garden and field seeds, bulbs, and plants. 410,189; Nov. 14; Serial No. 465,061; published Sept. 5, 1944. Class 1.
Atlas Paper Company, to Atlas Paper Company, San Francisco, Calif., successor. Manila wrapping paper. 192,683; renewed Dec. 9, 1944.
Baldwin Locomotive Works, Eddystone, Pa. Strain gages, strain indicating and recording instruments and control of the same. 410,180; Nov. 14; Serial No. 462,176; published Sept. 5, 1944. Class 26.
Ballston Knit Glove Company, The, Ballston and Ballston Spa, to Ackshand Knitting Co., Inc., Ballston Spa, N. Y., successor. Knit gloves. 192,634; renewed Dec. 9, 1944.
Baptista, Ed., Mexico City, Mexico. Phonograph records. 410,262; Nov. 14. Class 36.
Binswanger & Co. of Tennessee, Memphis, Tenn. Surface plates and accessories thereto. 410,207; Nov. 14; Serial No. 469,530; published Sept. 5, 1944. Class 26.
Boeke Feed Co., Inc., Des Moines, Iowa. Live stock and poultry feeds. 410,199; Nov. 14; Serial No. 467,749; published Sept. 5, 1944. Class 46.
Bowey's, Inc., Chicago, Ill. Stabilizers. 410,214; Nov. 14; Serial No. 470,404; published Aug. 29, 1944. Class 46.
Boyle, John, & Company, Incorporated, New York, N. Y. Awning stripes and ticking. 196,328; renewed Mar. 7, 1945.
Boyle, John, & Company, Incorporated, New York, N. Y. Awning stripes and ticking. 196,923; renewed Mar. 31, 1945.
Bridgeman-Russell Company, Duluth, Minn., assignor, by mesne assignments, to Consolidated Dairy Products Company, Inc., Long Island City, N. Y. Ice-cream. 191,363; renewed Nov. 4, 1944.
Cameron Surgical Specialty Company, Chicago, Ill. Cameras. 410,211; Nov. 14; Serial No. 470,256; published Sept. 5, 1944. Class 26.
Cantol Wax Co., Bloomington, Ind. Belt dressing and wax-impregnating compound. 196,694; renewed Mar. 24, 1945.
Carrier Corporation. (See Carrier Engineering Corporation, assignor.)
Carrier Engineering Corporation, Newark, N. J., assignor to Carrier Corporation, Syracuse, N. Y. Air-conditioning, drying and ventilating equipment. 190,999; renewed Oct. 28, 1944.
Castillo, Jose M. F., Habana, Cuba. Cigars. 410,194; Nov. 14; Serial No. 466,146; published Aug. 15, 1944. Class 17.
Chicago Mail Order Company, Chicago, Ill. Cold water, kalsomine paint, and paint enamel. 410,254; Nov. 14. Class 16.
Chicago Plastic Products Co., Inc., Chicago, Ill. Arch supports. 410,231–2; Nov. 14; Serial Nos. 471,893–4; published Sept. 5, 1944. Class 44.
Cohen, Weenen & Co., assignor to Cohen, Weenen & Co., Limited, London, England. Smoking tobacco. 193,978; renewed Jan. 13, 1945.
Cohen, Weenen & Co., Limited. (See Cohen, Weenen & Co., assignor.)
Colgate & Company, assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Face powder and rouge. 196,433; renewed Mar. 17, 1945.
Colgate-Palmolive-Peet Company. (See Colgate & Company, assignor.)
Colliery Engineering Limited, Sheffield, England. Machines for cleaning coal and the like mineral substances by gravity concentration. 410,191; Nov. 14; Serial No. 465,383; published Aug. 29, 1944. Class 23.
Comfort Engineering Corporation, Paterson and Passaic, N. J. Blowers and fans. 410,178; Nov. 14; Serial No. 460,734; published Sept. 5, 1944. Class 34.
Commercial Compinex Company, New York, N. Y. Canned sardines. 410,236; Nov. 14; Serial No. 472,043; published Sept. 5, 1944. Class 46.
Consolidated Dairy Products Company, Inc. (See Bridgeman-Russell Company, assignor.)
Cowgill, Henry, doing business as Alligator Henry's Leather Company, New York, N. Y. Leather and reptile skins. 410,188; Nov. 14; Serial No. 464,965; published Sept. 5, 1944. Class 1.
Crescent Insulated Wire & Cable Co., Inc., Trenton, N. J. Flexible insulated electric wire or cord. 410,218; Nov. 14; Serial No. 471,115; published Sept. 5, 1944. Class 21.
Daniels, Fred, Wichita, Kans., to Hammel, Riglander & Co. Inc., New York, N. Y., successor. Cleaner and polisher. 192,749; renewed Dec. 9, 1944.
Davis and Company, Cleveland, Ohio. Food products. 410,237; Nov. 14; Serial No. 472,101; published Sept. 5, 1944. Class 46.
Dazey Churn & Manufacturing Company, St. Louis, Mo., by change of name to Dazey Corporation. Tool-grinding machines. 193,418; renewed Dec. 30, 1944.
Dazey Corporation. (See Dazey Churn & Manufacturing Company.)
Defiance Machine Works, Inc., Toledo, Ohio. Plastics pressing machines and parts of such machines. 410,208; Nov. 14; Serial No. 469,865; published Aug. 22, 1944. Class 23.
Diamond Expansion Bolt Co., New York, N. Y., assignor to Diamond Expansion Bolt Company, Incorporated, Garwood, N. J. Nail expansions, nail fasteners, and nail anchors. 196,671; renewed Mar. 24, 1945.
Diamond Expansion Bolt Co., New York, N. Y., assignor to The Diamond Expansion Bolt Company, Incorporated, Garwood, N. J. Nail expansions, nail fasteners, and nail anchors. 196,672; renewed Mar. 24, 1945.
Diamond Expansion Bolt Company, Incorporated. (See Diamond Expansion Bolt Co., assignor.)
Diebold, Incorporated, Canton, Ohio. Business, bookkeeping, filing, and posting record equipment in visible sheet form. 410,202; Nov. 14; Serial No. 468,321; published Sept. 5, 1944. Class 37.
Driesen, Meyer & Oronsky, assignor to A. Starr & Co. Inc., New York, N. Y. Outer suits and overcoats. 190,487; renewed Oct. 14, 1944.
Duncan and Hovendon, Inc., New York, N. Y. Fabrics in the piece. 410,265; Nov. 14. Class 42.
Ellmore Silver Company, Inc., The, Meriden, Conn. Hollow ware and flatware of sterling silver. 410,268; Nov. 14. Class 28.
Elto Outboard Motor Company, assignor, by mesne assignments, to Outboard, Marine & Manufacturing Company, Milwaukee, Wis. Marine engines, and parts thereof. 196,620; renewed Mar. 24, 1945.
Fairbanks, Maud M., Worcester, Mass., to Maud M. Fairbanks, Brookfield, Mass. Soap. 196,707; renewed Mar. 24, 1945.
Fairy Flames. (See MacKaben, Erna M.)
Farley Fruit Co., Salinas, Calif. Fresh vegetables. 410,220; Nov. 14; Serial No. 471,151; published Sept. 5, 1944. Class 46.
Fashion Park, Inc. (See Rosenberg Bros. & Co., assignor.)
First Industrial Corporation. (See Micro Switch Corporation, assignor.)
Fisher Bros. Paper Company, Fort Wayne, Ind. Wrapping paper. 193,986; renewed Jan. 13, 1945.
Fisher Bros. Paper Company, Fort Wayne, Ind. Articles made wholly or in part of paper; bags, baking cups, etc. 194,343; renewed Jan. 20, 1945.
Fisher Bros. Paper Company, Fort Wayne, Ind. Clothespins (wooden), washboards, and washing machines. 194,501; renewed Jan. 27, 1945.
Fletcher Paper Company, Alpena, Mich. Printing paper. 410,269; Nov. 14. Class 37.

Fletcher, Robert, & Son Limited, Stoneclough, near Manchester, England. Cigarette paper. 195,536; renewed Feb. 24, 1945.

Fletcher, Robert, & Son Limited, Stoneclough, near Manchester, England. Cigarette paper. 195,538; renewed Feb. 24, 1945.

Flintkote Company, The, Boston, Mass., to The Flintkote Company, New York, N. Y. Mineral-surfaced asphalt shingles and mineral-surfaced asphalt roofing. 192,706; renewed Dec. 9, 1944.

Friedman Brothers, assignor to Friedman Ring Company, Chicago, Ill. Finger rings of precious metal. 195,915; renewed Mar. 3, 1945.

Friedman Ring Company. (See Friedman Brothers, assignor.)

Fryer, C., & Sons (Overseas) Limited, London, England. Smoking and chewing tobacco, cigarettes, cigars, and snuff. 410,222; Nov. 14; Serial No. 471,474; published Sept. 5, 1944. Class 17.

Geffner, Samuel H., New York, N. Y. Key cases and wallets. 410,242; Nov. 14; Serial No. 472,418; published Sept. 5, 1944. Class 3.

General Cable Corporation. (See Rome Wire Company, assignor.)

General Desserts Corporation, New York, N. Y. Food product in paste form. 410,270; Nov. 14. Class 46.

Glendora Lemon Growers Association, Glendora, Calif. Fresh lemons. 196,915; renewed Mar. 31, 1945.

Goldstein, Hiram, Buffalo, N. Y. Pull toys and toy guns. 410,196; Nov. 14; Serial No. 467,451; published Sept. 5, 1944. Class 22.

Grand Rapids Varnish Corporation, Grand Rapids, Mich. Varnish. 195,243; renewed Feb. 17, 1945.

Grennan Bakeries, Incorporated. (See Grennan Cake Corporation.)

Grennan Cake Corporation, Detroit, Mich., now by change of name Grennan Bakeries, Incorporated, to Grennan Bakeries, Incorporated, Chicago, Ill. Cakes, cookies, fried cakes, etc. 195,760; renewed Mar. 3, 1945.

Gressett, William G., Denver, Colo. Toy units. 410,229; Nov. 14; Serial No. 471,799; published Sept. 5, 1944. Class 22.

Hammel, Riglander & Co. Inc. (See Daniels, Fred.)

Hayles, D. I., Dallas, Tex. Tonic for hair and scalp. 410,259; Nov. 14. Class 6.

Holley Canning Co. Inc. (See Hudson & Company, assignor.)

Holtzman's, Inc. (See Pretz-Sticks Baking Company.)

Hotel and Restaurant Employees' Alliance and Bartenders' International League of America, Cincinnati, Ohio. Blank forms. 410,177; Nov. 14; Serial No. 460,300; published Sept. 5, 1944. Class 37.

Houlis, Louis D., Dallas, Tex. Baking ovens, machinery, and equipment. 410,201; Nov. 14; Serial No. 468,204; published Sept. 5, 1944. Class 34.

Howard, Bob, Los Angeles, Calif. Cabinets for the giving of heat treatments. 410,258; Nov. 14. Class 44.

Hudson & Company, assignor to Holley Canning Co. Inc., Holley, N. Y. Canned fruits, canned berries, and canned vegetables. 195,504; renewed Feb. 24, 1945.

International Milling Company, Minneapolis, Minn., to International Milling Company, Wilmington, Del. Wheat flour. 193,939; renewed Jan. 13, 1945.

International Society of Christian Endeavor, Boston, Mass. Plaques. 410,206; Nov. 14; Serial No. 469,357; published Sept. 5, 1944. Class 50.

Jewel-Smiths, Inc., Boston, Mass. Precious and semi-precious stones. 410,245; Nov. 14. Class 28.

Jewel-Smiths, Inc., Boston, Mass. Precious and semi-precious stones of all kinds. 410,256; Nov. 14; Class 28.

Jewel-Smiths, Inc., Boston, Mass. Watches and clocks. 410,257; Nov. 14. Class 27.

Keith, Ben E., Fort Worth, assignor to The Texas Citrus Fruit Growers Exchange, Mission, Tex. Fresh citrus fruit, fresh satsumas, fresh tangerines, etc. 185,301; renewed June 10, 1944.

Kendrick, James R., Co., Inc., Philadelphia, Pa. Corsets, corset elastics, brassières, and brassière elastics. 196,222; renewed Mar. 10, 1945.

Keystone Steel & Wire Company, Bartonville, Peoria, to Keystone Steel & Wire Company, Peoria (South Bartonville), Ill. Barbed wire. 196,165; renewed Mar. 10, 1945.

Keystone Steel & Wire Company, Bartonville, Peoria, to Keystone Steel & Wire Company, Peoria (South Bartonville), Ill. Wire fence, including farm and poultry fences. 196,925; renewed Mar. 31, 1945.

Keystone Steel & Wire Company, Bartonville, Peoria, to Keystone Steel & Wire Company, Peoria (South Bartonville), Ill. Wire fence, including farm and poultry fences. 196,927–9; renewed Mar. 31, 1945.

Kimber Company, The. (See Kimber, Stanley.)

Kimber, Stanley, doing business as The Kimber Company, Milltown, N. J. Solid cleaner. 410,267; Nov. 14. Class 4.

Kommel, A., & Sons, New York, N. Y. Hosiery and underwear, gloves, slippers, etc. 190,013; renewed Sept. 30, 1944.

Kops Bros., Inc., New York, N. Y. Corsets, brassières, and underwear. 190,157; renewed Oct. 7, 1944.

Krause, Herbert H., & Associates, Chicago, Ill. Dolls. 410,234; Nov. 14; Serial No. 471,950; published Sept. 5, 1944. Class 22.

Lancashire Hill Rope & Twine Co. Limited, Stockport, England. Ropes and twine for making fishing nets. 410,183; Nov. 14; Serial No. 463,907; published Sept. 5, 1944. Class 7.

Lawrenceburg Roller Mills Company. (See Acme-Evans Company, Inc.)

Lebanon Woolen Mills, Inc., Lebanon, Tenn., and New York, N. Y. Blankets. 410,261; Nov. 14. Class 42.

Lefcourte, Albert, doing business as Lefcourte Cosmetics Co., New York, N. Y. Hand bags. 410,215; Nov. 14; Serial No. 470,799; published Sept. 5, 1944. Class 3.

Lefcourte Cosmetics Co. (See Lefcourte, Albert.)

Lingo, Lancelot C. (See Taylor, H. D., and Lingo.)

Liqui-Glove Co. (Not Inc.). (See Nachtrieb, H. A.)

Lookout Boiler and Manufacturing Company, Chattanooga, Tenn. Boilers and hot-water tanks. 196,623; renewed Mar. 24, 1945.

Lord & Burnham Company. (See Lutton, William H., Company, assignor.)

Luker, Jackson M., Urbana, Ill. Angel food cakes. 410,235; Nov. 14; Serial No. 471,952; published Sept. 5, 1944. Class 46.

Lutton, William H., Company, Jersey City, N. J., assignor to Lord & Burnham Company, Irvington, N. Y. Greenhouses. 195,300; renewed Feb. 24, 1945.

MacKaben, Erna M., doing business as Fairy Flames, Alhambra, Calif. Pine cones treated with copper salt derivatives. 410,212; Nov. 14; Serial No. 470,275; published Sept. 5, 1944. Class 1.

Manitou Mineral Water Company, The, Manitou, Colo. Nonalcoholic, maltless beverage. 195,424; renewed Feb. 24, 1945.

Martex Print Works, Inc., Clifton, N. J. Piece goods. 410,248; Nov. 14. Class 42.

Master Electric Company, The, Dayton, Ohio. Electric motors and parts thereof. 410,179; Nov. 14; Serial No. 461,562; published Sept. 5, 1944. Class 21.

May Oil Burner Corporation, Baltimore, Md. Gears. 410,181; Nov. 14; Serial No. 463,175; published Aug. 22, 1944. Class 23.

McBee Binder Company, The, Athens, Ohio, by change of name to The McBee Company. Stationery. 196,695–6; renewed Mar. 24, 1945.

McBee Company, The. (See McBee Binder Company, The.)

McDaniel, Phill A. (See White Sulphur Springs, Inc., assignor.)

Medicated Products Company, Chicago, Ill. Prophylactic rubber articles. 410,200; Nov. 14; Serial No. 467,850; published May 30, 1944. Class 44.

Mellier Company, Perfumer, St. Louis, Mo., and New York, to Mellier Company, Perfumer, New York, N. Y. Cream or dressing for the hair. 196,217; renewed Mar. 10, 1945.

Micro Switch Corporation, Freeport, Ill., assignor to First Industrial Corporation, Wilmington, Del. Thermostatically operated switches. 410,204; Nov. 14; Serial No. 469,127; published Sept. 5, 1944. Class 26.

Milnor, Inc., Los Angeles, Pasadena, Beverly Hills, and Long Beach, Calif., and Honolulu, Hawaii, to Milnor, Inc., Los Angeles, Calif. Precious and semiprecious stones and gems, jewel articles, etc. 195,728; renewed Mar. 3, 1945.

Mollart Engineering Company Limited, Surbiton, England. Ground thread screw plug and ring gauges, gap, plug and form plate gauges, etc. 410,175; Nov. 14; Serial No. 459,671; published Sept. 5, 1944. Class 26.

Montgomery Mattress Factory. (See Taylor, H. D., and Lingo.)

Nachtrieb, H. A., doing business as Liqui-Glove Co. (Not Inc.), Chicago, Ill., assignor to The Benjamin Ansehl Company, St. Louis, Mo. Pastelike preparation for coating the hands. 193,852; renewed Jan. 6, 1945.

National Casket Company, Inc., New York, and Long Island City, to National Casket Company, Inc., Oneida, N. Y. Embalming fluids. 196,388; renewed Mar. 17, 1945.

Nicomede, Jos. W. (See Nicomede, Julia D., executrix.)

Nicomede, Julia D., executrix of the estate of Jos. W. Nicomede, deceased, doing business as Nicomede Music Co., Altoona, Pa. Banjo and drum head cleaner. 190,465; renewed Oct. 14, 1944.

Nicomede Music Co. (See Nicomede, Julia D., executrix.)

North Bro's M'f'g Co., Philadelphia, Pa. Ratchet-hand-tool handles, hand drills, ratchet hand tools, tools for drilling by hand, etc. 196,680; renewed Mar. 24, 1945.

Northfield Iron Company, Northfield, Minn. Road-grader blades, road-drag blades, fresnor buck scraper, etc. 196,616; renewed Mar. 24, 1945.

Ohlen-Bishop Manufacturing Company, Columbus, Ohio. Saws. 410,219; Nov. 14; Serial No. 471,130; published Aug. 29, 1944. Class 23.

Oil Well Supply Company. (See Witte Engine Works, assignor.)

Olympia Canning Company, Olympia, Wash. Canned fruits. 184,085; renewed May 20, 1944.

Olympia Canning Company, Olympia, Wash. Canned berries and canned fruits. 191,276; renewed Nov. 4, 1944.

Olympia Canning Company, Olympia, Wash. Canned fruits. 193,235; renewed Dec. 23, 1944.

Orchard Products Company, also doing business as Seedless Products Co., Chicago, Ill. Compounded fruit product. 410,247; Nov. 14. Class 46.

Orchard Yarn and Thread Company, New York, N. Y. Crochet and knitted cotton, etc. 410,186; Nov. 14; Serial No. 464,616; published Feb. 15, 1944. Class 43.

Outboard, Marine & Manufacturing Company. (See Elto Outboard Motor Company, assignor.)

Pease, C. F., Company, The, Chicago, Ill. Machines for making photo copy prints continuously. 410,230; Nov. 14; 471,812; published Sept. 5, 1944. Class 26.

Perfect-Fit Tailleurs Co. (See Rosenwasser, Herman H.)

Perkins, H., & Sons (Canada) Limited, Montreal, Quebec, Canada. Billfolds, purses and wallets. 410,241; Nov. 14; Serial No. 472,293; published Sept. 5, 1944. Class 3.

Perkins, H., & Sons (Canada) Limited, Montreal, Quebec, Canada. Billfolds. 410,266; Nov. 14. Class 3.

Physicians & Hospitals Supply Company, Inc., doing business as Ulmer Pharmacal Company, Minneapolis, Minn. Medical appliance. 410,192; Nov. 14; Serial No. 465,558; published Sept. 5, 1944. Class 44.

Pomona Products Company, Griffin, Ga. Canned pimiento peppers. 189,856; renewed Sept. 30, 1944.

Porreca, Donato J., Philadelphia, Pa. Kitchen wall cabinets and kitchen base cabinets. 410,243; Nov. 14; Serial No. 472,296; published Sept. 5, 1944. Class 32.

Pratt & Gray Company, Norwalk, Conn. Microfilm cameras, microfilm projectors, and apparatus for developing and processing microfilm, etc. 410,210; Nov. 14; Serial No. 470,210; published Sept. 5, 1944. Class 26.

Precision Scientific Co., Chicago, Ill. Titrometers, colorimeters, densitometers and photometers. 410,227; Nov. 14; Serial No. 471,682; published Aug. 29, 1944. Class 26.

Pretz-Sticks Baking Company, Myerstown, Pa., by change of name to Holtzman's, Inc. Bakery products. 189,896; renewed Sept. 30, 1944.

Prufcoat Laboratories, Inc., Cambridge, Mass. Protective coating materials. 410,251; Nov. 14. Class 16.

Pullman Company, Chicago, Ill. Railway cars. 190,317; renewed Oct. 14, 1944.

Radio Corporation of America. (See Victory Talking Machine Company, assignor.)

Reading Hardware Corporation, Reading, Pa. Lock sets. 410,244; Nov. 14. Class 25.

Republic Steel Corporation, Cleveland, Ohio. Electrically tested metallic tubing. 410,252; Nov. 14. Class 13.

Resinous Products & Chemical Company, The, Philadelphia, Pa. Synthetic resinous materials in sheet, powder and liquid form. 410,197; Nov. 14; Serial No. 466,544; published Sept. 5, 1944. Class 5.

Resinous Products & Chemical Company, The, Philadelphia, Pa. Resinous materials in liquid or powder form. 410,213; Nov. 14; Serial No. 470,345; published Sept. 5, 1944. Class 5.

Revolvator Company, North Bergen, N. J. Portable elevators. 410,185; Nov. 14; Serial No. 464,420; published Aug. 22, 1944. Class 23.

Rice, Newton J. (See Wimelbacher & Rice, assignor.)

Roberts Cone Manufacturing Company, St. Joseph, Mo., assignor to Western Grocer Company, Marshalltown, Iowa. Ice-cream cones. 191,360; renewed Nov. 4, 1944.

Rohm & Haas Company, Philadelphia, Pa. Synthetic resinous materials in sheet, powder and liquid form. 410,198; Nov. 14; Serial No. 466,548; published Sept. 5, 1944. Class 5.

Rome Wire Company, Rome, assignor to General Cable Corporation, New York, N. Y. Insulated electrical wire and cable. 190,668; renewed Oct. 21, 1944.

Rosenberg Bros. & Co., assignor, by mesne assignments, to Fashion Park, Inc., Rochester, N. Y. Men's coats, vests, pants, and overcoats. 194,476; renewed Jan. 27, 1945.

Rosenberg Bros. & Co., assignor, by mesne assignments, to Fashion Park, Inc., Rochester, N. Y. Men's coats, vests, pants, and overcoats. 195,340; renewed Feb. 24, 1945.

Rosenwasser, Herman H., doing business as Perfect-Fit Tailleurs Co., Los Angeles, Calif. Men's suits and coats and ladies' tailored suits, coats, etc. 410,250; Nov. 14. Class 39.

Royal Hair Pin Corporation, New York, N. Y. Hairpins and bob pins. 410,263; Nov. 14. Class 40.

Sally Chain Stores, Inc. (See Tredwell, Lillie, assignor.)

Scholl Mfg. Co., Inc., The, Chicago, Ill. Arch supports. 410,225–6; Nov. 14; Serial Nos. 471,635–6; published Sept. 5, 1944. Class 44.

Seedless Products Co. (See Orchard Products Company.)

Simplex Products Corporation, Cleveland, Ohio. Metallic piston rings and expanders therefor. 410,224; Nov. 14; Serial No. 471,540; published Sept. 5, 1944. Class 35.

Smith-Alsop Paint & Varnish Company, The, Terre Haute, Ind. Wood filler, enamels, paints and varnishes. 195,384; renewed Feb. 24, 1945.

Smith, Euclid B., New Orleans, La. Preparation for use as a disinfectant, cleaner and deodorant. 410,255; Nov. 14. Class 6.

Solar-Sturges Mfg. Co., Chicago, to Solar-Sturges Mfg. Co., Melrose Park, Ill. Milk cans. 193,711; renewed Jan. 6, 1945.

Sponge Rubber Products Company, The, Derby, Conn. Material used as cushioning supports and fillers in upholstered furniture. 410,187; Nov. 14; Serial No. 464,904; published Apr. 18, 1944. Class 32.

Sprague Warner-Kenny Corporation. (See Staples Grocery, Inc., assignor.)

Standard Oil Company, San Francisco, Calif., assignor to Standard Oil Company of California, Wilmington, Del., and San Francisco, Calif. Crank-case drain-plug adapter. 190,095–6; renewed Oct. 7, 1944.

Standard Oil Company of California. (See Standard Oil Company, assignor.)

Staples Grocery, Inc., The, Richmond, Va., assignor to Sprague Warner-Kenny Corporation, Baltimore, Md. Canned fruits, canned vegetables, and oatmeal. 196,476; renewed Mar. 27, 1945.

Sta-Rite Ginnie-Lou, Inc., Shelbyville, Ill. Applicators for applying leg make-up. 410,249; Nov. 14. Class 44.

Starr, A., & Co., Inc. (See Driesen, Meyer & Oronsky, assignors.)

Sterling Doll Co., Inc., New York, N. Y. Stuffed toy animals and dolls. 410,228; Nov. 14; Serial No. 471,689; published Sept. 5, 1944. Class 22.

Stone & Forsyth Company, Boston, Mass. Kraft paper. 189,180; renewed Sept. 16, 1944.

Stone and Forsyth Company, Boston, Mass. Toilet paper, paper crêpe napkins, wrapping papers, etc. 196,698; renewed Mar. 24, 1945.

Sumergrade, N., & Sons, New York, N. Y. Comfortables, bedspreads, and draperies. 410,260; Nov. 14. Class 42.

Swingle, Leonhardt, doing business as Valley Date Gardens, Indio and Coachella, Calif. Fresh dates. 410,264; Nov. 14. Class 46.

Taylor, Henry D., and Lancelot C. Lingo, doing business as Montgomery Mattress Factory, Montgomery, Ala. Mattresses. 410,223; Nov. 14; Serial No. 471,494; published Sept. 5, 1944. Class 32.

Texas Citrus Fruit Growers Exchange, The. (See Keith, Ben E., assignor.)

Tile-Tex Company, The, Chicago Heights, Ill. Floor tile. 410,176; Nov. 14; Serial No. 460,101; published Feb. 29, 1944. Class 12.

Tile-Tex Company, The, Chicago Heights, Ill. Floor tile. 410,182; Nov. 14; Serial No. 463,387; published Feb. 29, 1944. Class 12.

Tilley, John S., Ladders Co., Inc., The, Watervliet, N. Y. Parts for scaffolding, ladders, and the like, including planks therefor. 195,880; renewed Mar. 3, 1945.

Tredwell, Lillie, assignor, by mesne assignments, to Sally Chain Stores, Inc., Chicago, Ill. Women's, misses' and children's coats, dresses, lingerie, etc. 186,446; renewed July 8, 1944.

Ulmer Pharmacal Company. (See Physicians & Hospitals Supply Company, Inc.)

Union Bag & Paper Corporation, New York, N. Y. Paper bags. 195,338; renewed Feb. 24, 1945.

Union Oil Company of California, Los Angeles, Calif. Petroleum wax. 410,193; Nov. 14; Serial No. 466,112; published Aug. 29, 1944. Class 15.

United States Hoffman Machinery Corporation, New York, N. Y. Garment pressing and shaping machines. 196,304; renewed Mar. 17, 1945.

United States Metallic Packing Company, The, Philadelphia, Pa. Metallic packings. 193,397–8; renewed Dec. 30, 1944.

Universal Atlas Cement Company, New York, N. Y. Portland cement. 410,205; Nov. 14; Serial No. 469,290; published Sept. 5, 1944. Class 12.

Utah Canning Company, The, Ogden, Utah. Canned tomatoes. 186,074; renewed July 1, 1944.

Utah Canning Company, The, Ogden, Utah. Canned tomatoes, hominy, sauerkraut, pumpkin, etc. 187,209; renewed July 29, 1944.

Valley Date Gardens. (See Swingle, Leonhardt.)

Victor Talking Machine Company, Camden, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Radio apparatus, parts, and appurtenances. 195,475; renewed Feb. 24, 1945.

Victor Talking Machine Company, Camden, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Radio apparatus, parts, and appurtenances. 195,825; renewed Mar. 3, 1945.

Wallworth, C. Gilbert, & Co., Philadelphia, Pa. Surgical waste. 410,233; Nov. 14; Serial No. 471,934; published Sept. 5, 1944. Class 44.

Wanamaker, John, Philadelphia, Philadelphia, Pa., assignor, by mesne assignments, to Associated Distributors, Inc., Chicago, Ill. Perfumes and toilet creams. 193,633; renewed Jan. 6, 1945.

Webster-Brinkley Co., Seattle, Wash. Master switches, electro-magnetic actuators, telemotors, etc. 410,184; Nov. 14; Serial No. 464,123; published Sept. 5, 1944. Class 21.

Webster-Brinkley Co., Seattle, Wash. Hydraulic and steam-powered engines and control units therefor, winches, cranes, etc. 410,203; Nov. 14; Serial No. 468,653; published Aug. 22, 1944. Class 23.

Webster, William A., Company, The, to The William A. Webster Company, Memphis, Tenn., successor. Face powder, talcum powder, beauty cream, etc. 193,388; renewed Dec. 30, 1944.

Western Grocer Company. (See Roberts Cone Manufacturing Company, assignor.)

Western Grocer Company, Marshalltown, Iowa. Cane sugar, fresh potatoes, canned apples, etc. 191,359; renewed Nov. 4, 1944.
Western Tray & Case Company, to Alvin J. Zestermann, doing business as Western Tray and Case Company, Cincinnati, Ohio, successor. Jewelers' sample cases, telescope cases, salesmen's sample cases, etc. 196,477; renewed Mar. 17, 1945.
White Sulphur Springs, Inc., White Sulphur Springs, assignor to Phill A. McDaniel, Beckley, W. Va. Mineral waters. 189,569; renewed Sept. 23, 1944.
Whiteshowers, Inc., Detroit, Mich. Sprinkling equipment. 188,952; renewed Sept. 9, 1944.
Wile, Julius, Sons & Co., assignor to Julius Wile Sons & Co., Inc., New York, N. Y. Bottled and tinned anchovies, bottled capers, bottled olives, etc. 191,126; renewed Nov. 4, 1944.
Willesden Proofing Company, Inc., Elizabeth, N. J. Canvas, cotton, flax, etc., all waterproofed, rotproofed and mildewproofed. 410,253; Nov. 14. Class 42.
Williams Oven Manufacturing Co., New York, N. Y. Bakers' ovens. 189,951; renewed Sept. 30, 1944.
Wimelbacher & Rice, assignor to Newton J. Rice, doing business as Wimelbacher & Rice, New York, N. Y. Fabric gloves and kid gloves. 189,319; renewed Sept. 16, 1944.
Witte Engine Works, Kansas City, Mo., assignor to Oil Well Supply Company, Oil City, Pa. Internal-combustion engines, drag-saw outfits, tree-saw outfits, etc. 190,936; renewed Oct. 28, 1944.
Wortendyke Manufacturing Co., Richmond, Va. Paper bags. 410,239; Nov. 14; Serial No. 472,169; published Sept. 5, 1944. Class 2.
Wortendyke Manufacturing Co., Richmond, Va. Paper twines. 410,240; Nov. 14; Serial No. 472,170; published Sept. 5, 1944. Class 7.
Zellarbach Paper Company, San Francisco, Calif. Cartons. 410,221; Nov. 14; Serial No. 471,381; published Sept. 5, 1944. Class 20.
Zestermann, Alvin J. (See Western Tray & Case Company.)
Ziv Steel and Wire Company, Chicago, Ill. Unbreakable tool steel. 196,670; renewed Mar. 24, 1945.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Leather and reptile skins. H. Cowgill. 410,188; Nov. 14; Serial No. 464,965; published Sept. 5, 1944.
Pine cones treated with copper salt derivatives. E. M. MacKaben. 410,212; Nov. 14; Serial No. 470,275; published Sept. 5, 1944.
Seeds, bulbs and plants, Garden and field. Associated Seed Growers, Inc. 410,189; Nov. 14; Serial No. 465,061; published Sept. 5, 1944.

CLASS 2

Articles made wholly or in part of paper; bags, baking cups, etc. Fisher Bros. Paper Company. 194,343; renewed Jan. 20, 1945.
Bags, Paper. Union Bag & Paper Corporation. 195,338; renewed Feb. 24, 1945.
Bags, Paper. Wortendyke Manufacturing Co. 410,239; Nov. 14; Serial No. 472,169; published Sept. 5, 1944.
Cans and like containers. American Can Company. 195,289; renewed Feb. 24, 1945.
Cans, Milk. Solar-Sturges Mfg. Co. 193,711; renewed Jan. 6, 1945.
Cartons. Zellarbach Paper Company. 410,221; Nov. 14; Serial No. 471,381; published Sept. 5, 1944.

CLASS 3

Bags, Hand. A. Lefcourte. 410,215; Nov. 14; Serial No. 470,799; published Sept. 5, 1944.
Billfolds. H. Perkins & Sons (Canada) Limited. 410,266; Nov. 14.
Billfolds, purses and wallets. H. Perkins & Sons (Canada) Limited. 410,241; Nov. 14; Serial No. 472,293; published Sept. 5, 1944.
Cases, telescope cases, salesmen's sample cases, etc., Jewelers' sample. Western Tray & Case Company. 196,477; renewed Mar. 17, 1945.
Key cases and wallets. S. H. Geffner. 410,242; Nov. 14; Serial No. 472,418; published Sept. 5, 1944.

CLASS 4

Banjo and drum head cleaner. J. D. Nicomede. 190,465; renewed Oct. 14, 1944.
Belt dressing and wax-impregnating compound. Cantol Wax Co. 196,694; renewed Mar. 24, 1945.
Cleaner and polisher. F. Daniels. 192,749; renewed Dec. 9, 1944.
Cleaner, Solid. S. Kimber. 410,267; Nov. 14.
Soap. M. M. Fairbanks. 196,707; renewed Mar. 24, 1945.

CLASS 5

Glues, pastes, and adhesive cements. Arvey Corporation. 410,217; Nov. 14; Serial No. 470,955; published Sept. 5, 1944.
Paste, Adhesive. Arabol Mf'g Co. 196,521; renewed Mar. 17, 1945.
Resinous materials in liquid or powder form. Resinous Products & Chemical Company. 410,213; Nov. 14; Serial No. 470,345; published Sept. 5, 1944.
Resinous materials in sheet, powder and liquid form, Synthetic. Resinous Products & Chemical Company. 410,197; Nov. 14; Serial No. 466,544; published Sept. 5, 1944.
Resinous materials in sheet, powder and liquid form, Synthetic. Rohm & Haas Company. 410,198; Nov. 14; Serial No. 466,548; published Sept. 5, 1944.

CLASS 6

Cream or dressing for the hair. Mellier Company, Perfumer. 196,217; renewed Mar. 10, 1945.
Embalming fluids. National Casket Company. 196,388; renewed Mar. 17, 1945.
Perfumes ad toilet creams. John Wanamaker Philadelphia. 193,633; renewed Jan. 6, 1945.
Powder and rouge, Face. Colgate & Company. 196,433; renewed Mar. 17, 1945.
Powder, talcum powder, beauty cream, etc., Face. William A. Webster Company. 193,388; renewed Dec. 30, 1944.
Preparation for coating the hands, Pastelike. H. A. Nachtrieb. 193,852; renewed Jan. 6, 1945.
Preparation for use as a disinfectant, cleaner and deodorant. E. B. Smith. 410,255; Nov. 14.
Tonic for hair and scalp. D. I. Hayles. 410,259; Nov. 14.

CLASS 7

Ropes and twine for making fishing nets. Lancashire Hill Rope & Twine Co. Limited. 410,183; Nov. 14; Serial No. 463,907; published Sept. 5, 1944.
Twines, Paper. Wortendyke Manufacturing Co. 410,240; Nov. 14; Serial No. 472,170; published Sept. 5, 1944.

CLASS 8

Paper, Cigarette. Robert Fletcher & Son Limited. 195,536; renewed Feb. 24, 1945.
Paper, Cigarette. Robert Fletcher & Son Limited. 195,538; renewed Feb. 24, 1945.

CLASS 12

Cement, Portland. Universal Atlas Cement Company. 410,205; Nov. 14; Serial No. 469,290; published Sept. 5, 1944.
Floor tile. Tile-Tex Company. 410,176; Nov. 14; Serial No. 460,101; published Feb. 29, 1944.
Floor tile. Tile-Tex Company. 410,182; Nov. 14; Serial No. 463,387; published Feb. 29, 1945.
Greenhouses. William H. Lutton Company. 195,300; renewed Feb. 24, 1945.
Parts for scaffolding, ladders, and the like, including planks therefor. John S. Tilley Ladders Co. 195,880; renewed Mar. 3, 1945.
Shingles and mineral-surfaced asphalt roofing, Mineral-surfaced asphalt. Flintkote Company. 192,706; renewed Dec. 9, 1944.

CLASS 13

Fence, including farm, and poultry fences, Wire. Keystone Steel & Wire Company. 196,925; renewed Mar. 31, 1945.
Fence, including farm, and poultry fences, Wire. Keystone Steel & Wire Company. 196,927-9; renewed Mar. 31, 1945.
Metallic tubing, Electrically tested. Republic Steel Corporation. 410,252; Nov. 14.
Nail expansions, nail fasteners, and nail anchors. Diamond Expansion Bolt Co. 196,671; renewed Mar. 24, 1945.
Nail expansions, nail fasteners, and nail anchors. Diamond Expansion Bolt Co. 196,672; renewed Mar. 24, 1945.
Sprinkling equipment. Whiteshowers, Inc. 188,952; renewed Sept. 9, 1944.
Wire, Barbed. Keystone Steel & Wire Company. 196,165; renewed Mar. 10, 1945.

CLASS 14

Tool steel, Unbreakable. Ziv Steel and Wire Company. 196,670; renewed Mar. 24, 1945.

CLASS 15

Wax, Petroleum. Union Oil Company of California. 410,193; Nov. 14; Serial No. 466,112; published Aug. 29, 1944.

CLASS 16

Coating materials, Protective. Prufcoat Laboratories, Inc. 410,251; Nov. 14.
Filler, enamels, paints and varnishes, Wood. Smith-Alsop Paint & Varnish Company. 195,384; renewed Feb. 24, 1945.
Paint and paint enamel, Cold water, kalsomine. Chicago Mail Order Company. 410,254; Nov. 14.
Varnish. Grand Rapids Varnish Corporation. 195,243; renewed Feb. 17, 1945.

CLASS 17

Cigars. J. M. F. Castillo. 410,194; Nov. 14; Serial No. 466,146; published Aug. 15, 1944.
Tobacco, cigarettes, cigars and snuff, Smoking and chewing. C. Fryer & Sons (Overseas) Limited. 410,222; Nov. 14; Serial No. 471,474; published Sept. 5, 1944.
Tobacco, Smoking. Cohen, Weenen & Co. 193,978; renewed Jan. 13, 1945.

CLASS 19

Railway cars. Pullman Company. 190,317; renewed Oct. 14, 1944.

CLASS 21

Electric motors and parts thereof. Master Electric Company. 410,179; Nov. 14; Serial No. 461,562; published Sept. 5, 1944.
Internal combustion engines and electric lighting systems, timer-distributors, etc. American Bosch Corporation. 410,238; Nov. 14; Serial No. 472,133; published Sept. 5, 1944.
Radio apparatus, parts, and appurtenances. Victor Talking Machine Company. 195,475; renewed Feb. 24, 1945.
Radio apparatus, parts, and appurtenances. Victor Talking Machine Company. 195,825; renewed Mar. 3, 1945.
Switches, electro-magnetic actuators, telemotors, etc., Master. Webster-Brinkley Co. 410,184; Nov. 14; Serial No. 464,123; published Sept. 5, 1944.
Wire and cable, Insulated electrical. Rome Wire Company. 190,668; renewed Oct. 21, 1944.
Wire or cord, Flexible insulated electric. Crescent Insulated Wire & Cable Co. 410,218; Nov. 14; Serial No. 471,115; published Sept. 5, 1944.

CLASS 22

Dolls. Herbert H. Krause & Associates. 410,234; Nov. 14; Serial No. 471,950; published Sept. 5, 1944.
Toy animals and dolls, Stuffed. Sterling Doll Co. 410,228; Nov. 14; Serial No. 471,689; published Sept. 5, 1944.
Toy units. W. G. Gressett. 410,229; Nov. 14; Serial No. 471,799; published Sept. 5, 1944.
Toys and toy guns, Pull. H. Goldstein. 410,196; Nov. 14; Serial No. 467,451; published Sept. 5, 1944.

CLASS 23

Blades, road-drag blades, fresnor buck scraper, etc., Road-grader. Northfield Iron Company. 196,616; renewed Mar. 24, 1945.
Clamps, Cabinet. Adjustable Clamp Company. 196,635; renewed Mar. 24, 1945.
Drain-plug adapter, Crank-case. Standard Oil Company. 190,095-6; renewed Oct. 7, 1944.
Elevators, Portable. Revolvator Company. 410,185; Nov. 14; Serial No. 464,420; published Aug. 22, 1944.
Engines and control units therefor, winches, cranes, etc., Hydraulic and steam-powdered. Webster-Brinkley Co. 410,203; Nov. 14; Serial No. 468,653; published Aug. 22, 1944.
Engines, and parts thereof, Marine. Elto Outboard Motor Company. 196,620; renewed Mar. 24, 1945.
Engines, drag-saw outfits, tree-saw outfits, etc., Internal-combustion. Witte Engine Works. 190,936; renewed Oct. 28, 1944.
Gears. May Oil Burner Corporation. 410,181; Nov. 14; Serial No. 463,175; published Aug. 22, 1944.
Handles, hand drills, ratchet hand tools, tools for drilling by hand, etc., Ratchet-hand-tool. North Bro's M'f'g Co. 196,680; renewed Mar. 24, 1945.
Machines for cleaning coal and the like mineral substances by gravity concentration. Colliery Engineering Limited. 410,191; Nov. 14; Serial No. 465,383; published Aug. 29, 1944.
Machines for the surface hardening of metal parts. American Foundry Equipment Company. 410,216; Nov. 14; Serial No. 470,843; published Aug. 29, 1944.
Pressing machines and parts of such machines, Plastics. Defiance Machine Works, Inc. 410,208; Nov. 14; Serial No. 469,865; published Aug. 22, 1944.
Saws. Ohlen-Bishop Manufacturing Company. 410,219; Nov. 14; Serial No. 471,130; published Aug. 29, 1944.
Sheaves, pulleys and bushings, Rotary. Allis-Chalmers Manufacturing Company. 410,209; Nov. 14; Serial No. 469,950; published Aug. 22, 1944.
Tool-grinding machines. Dazey Churn & Manufacturing Company. 193,418; renewed Dec. 30, 1944.

CLASS 24

Clothespins (wooden), washboards, and washing machines. Fisher Bros. Paper Company. 194,501; renewed Jan. 27, 1945.
Pressing and shaping machines, Garment. United States Hoffman Machinery Corporation. 196,304; renewed Mar. 17, 1945.

CLASS 25

Lock sets. Reading Hardware Corporation. 410,244; Nov. 14.

CLASS 26

Cameras. Cameron Surgical Specialty Company. 410,211; Nov. 14; Serial No. 470,256; published Sept. 5, 1944.
Gages, strain indicating and recording instruments and control of the same, Strain. Baldwin Locomotive Works. 410,180; Nov. 14; Serial No. 462,176; published Sept. 5, 1944.
Machines for making photo copy prints continuously. C. F. Pease Company. 410,230; Nov. 14; Serial No. 471,812; published Sept. 5, 1944.
Microfilm cameras, microfilm projectors, and apparatus for developing and processing microfilm, etc. Pratt & Gray Company. 410,210; Nov. 14; Serial No. 470,210; published Sept. 5, 1944.
Plug and ring gauges, gap, plug and form plate gauges, etc., Ground thread screw. Mollart Engineering Company Limited. 410,175; Nov. 14; Serial No. 459,671; published Sept. 5, 1944.
Surface plates and accessories thereto. Binswanger & Co. of Tennessee. 410,207; Nov. 14; Serial No. 469,530; published Sept. 5, 1944.
Switches, Thermostatically operated. Micro Switch Corporation. 410,204; Nov. 14; Serial No. 469,127; published Sept. 5, 1944.
Titrometers, colorimeters, densitometers, and photometers. Precision Scientific Co. 410,227; Nov. 14; Serial No. 471,682; published Aug. 29, 1944.

CLASS 27

Watches and clocks. Jewel-Smiths, Inc. 410,257; Nov. 14.

CLASS 28

Hollow ware and flatware of sterling silver. Ellmore Silver Company. 410,268; Nov. 14.
Rings of precious metal, Finger. Friedman Brothers. 195,915; renewed Mar. 3, 1945.
Stones and gems, jewel articles, etc., Precious and semi-precious. Milnor, Inc. 195,728; renewed Mar. 3, 1945.
Stones of all kinds, Precious and semi-precious. Jewel-Smiths, Inc. 410,256; Nov. 14.
Stones, Precious and semiprecious. Jewel-Smiths, Inc. 410,245; Nov. 14.

CLASS 32

Cabinets and kitchen base cabinets, Kitchen wall. D. J. Porreca. 410,243; Nov. 14; Serial No. 472,296; published Sept. 5, 1944.
Material used as cushioning supports and fillers in upholstered furniture. Sponge Rubber Products Company. 410,187; Nov. 14; Serial No. 464,904; published Apr. 18, 1944.
Mattresses. H. D. Taylor and L. C. Lingo. 410,223; Nov. 14; Serial No. 471,494; published Sept. 5, 1944.

CLASS 34

Air-conditioning, drying, and ventilating equipment. Carrier Engineering Corporation. 190,999; renewed Oct. 28, 1944.
Baking ovens, machinery and equipment. L. D. Houlis. 410,201; Nov. 14; Serial No. 468,204; published Sept. 5, 1944.
Blowers and fans. Comfort Engineering Corporation. 410,178; Nov. 14; Serial No. 460,734; published Sept. 5, 1944.
Boilers and hot-water tanks. Lookout Boiler and Manufacturing Company. 196,623; renewed Mar. 24, 1945.
Ovens, Bakers'. Williams Oven Manufacturing Co. 189,951; renewed Sept. 30, 1944.

CLASS 35

Packings, Metallic. United States Metallic Packing Company. 193,397-8; renewed Dec. 30, 1944.
Piston rings and expanders therefor, Metallic. Simplex Products Corporation. 410,224; Nov. 14; Serial No. 471,540; published Sept. 5, 1944.

CLASS 36

Phonograph records. Ed. Baptista. 410,262; Nov. 14.

CLASS 37

Blank forms. Hotel and Restaurant Employees' Alliance and Bartenders' International League of America. 410,177; Nov. 14; Serial No. 460,300; published Sept. 5, 1944.

Kraft paper. Stone & Forsyth Company. 189,180; renewed Sept. 16, 1944.
Paper, paper crêpe napkins, wrapping papers, etc., Toilet. Stone and Forsyth Company. 196,698; renewed Mar. 24, 1945.
Paper, Printing. Fletcher Paper Company. 410,269; Nov. 14.
Paper, Wrapping. Fisher Bros. Paper Company. 193,986; renewed Jan. 13, 1945.
Record equipment in visible sheet form, Business, bookkeeping, filing, and posting. Diebold, Incorporated. 410,202; Nov. 14; Serial No. 468,321; published Sept. 5, 1944.
Stationery. McBee Binder Company. 196,695–6; renewed Mar. 24, 1945.
Tissue, Toilet. Amrop Trading Co. 410,190; Nov. 14; Serial No. 465,332; published Feb. 29, 1944.
Wrapping paper, Manila. Atlas Paper Company. 192,683; renewed Dec. 9, 1944.

CLASS 39

Coats, dresses, lingerie, etc., Women's, misses', and children's. Lillie Tredwell. 186,446; renewed July 8, 1944.
Coats, vests, pants, and overcoats, Men's. Rosenberg Bros. & Co. 194,476; renewed Jan. 27, 1945.
Coats, vests, pants, and overcoats, Men's. Rosenberg Bros. & Co. 195,340; renewed Feb. 24, 1945.
Corsets, brassières, and underwear. Kops Bros., Inc. 190,157; renewed Oct. 7, 1944.
Corsets, corset elastics, brassières, and brassière elastics. James R. Kendrick Co. 196,222; renewed Mar. 10, 1945.
Gloves and kid gloves, Fabric. Wimelbacher & Rice. 189,319; renewed Sept. 16, 1944.
Gloves, Knit. Ballston Knit Glove Company. 192,634; renewed Dec. 9, 1944.
Hosiery and underwear, gloves, slippers, etc. A. Kommel & Sons. 190,013; renewed Sept. 30, 1944.
Suits and coats and ladies' tailored suits, coats, etc., Men's. H. H. Rosenwasser. 410,250; Nov. 14.
Suits and overcoats, Outer. Driesen, Meyer & Oronsky. 190,487; renewed Oct. 14, 1944.

CLASS 40

Hairpins and bob pins. Royal Hair Pin Corporation. 410,263; Nov. 14.

CLASS 42

Awning stripes and ticking. John Boyle & Company, Incorporated. 196,328; renewed Mar. 17, 1945.
Awning stripes and ticking. John Boyle & Company. 196,923; renewed Mar. 31, 1945.
Blankets. Lebanon Woolen Mills, Inc. 410,261; Nov. 14.
Canvas, cotton, flax, etc., all waterproofed rotproofed, and mildewproofed. Willesden Proofing Company. 410,253; Nov. 14.
Comfortables, bedspreads, and draperies. N. Sumergrade & Sons. 410,260; Nov. 14.
Fabrics in the piece. Duncan and Hovendon, Inc. 410,265; Nov. 14.
Piece goods. Martex Print Works, Inc. 410,248; Nov. 14.
Piece goods, Woolen. American Woolen Company. 410,246; Nov. 14.

CLASS 43

Crochet and knitted cotton, etc. Orchard Yarn and Thread Company. 410,186; Nov. 14; Serial No. 464,616; published Feb. 15, 1944.

CLASS 44

Applicators for applying leg make-up. Sta-Rite Ginnie-Lou, Inc. 410,249; Nov. 14.
Arch supports. Chicago Plastic Products Co. 410,231–2; Nov. 14; Serial Nos. 471,893–4; published Sept. 5, 1944.
Arch supports. Scholl Mfg. Co., Inc. 410,225–6; Nov. 14; Serial Nos. 471,635–6; published Sept. 5, 1944.
Cabinets for the giving of heat treatments. B. Howard. 410,258; Nov. 14.
Medical appliance. Physicians & Hospitals Supply Company. 410,192; Nov. 14; Serial No. 465,558; published Sept. 5, 1944.
Rubber articles, Prophylactic. Medicated Products Company. 410,200; Nov. 14; Serial No. 467,850; published May 30, 1944.
Surgical waste. C. Gilbert Wallworth & Co. 410,233; Nov. 14; Serial No. 471,934; published Sept. 5, 1944.

CLASS 45

Beverage, Nonalcoholic, maltless. Manitou Mineral Water Company. 195,424; renewed Feb. 24, 1945.
Mineral waters. White Sulphur Springs, Inc. 189,569; renewed Sept. 23, 1944.

CLASS 46

Anchovies, bottled capers, bottled olives, etc., Bottled and tinned. Julius Wile Sons & Co. 191,126; renewed Nov. 4, 1944.
Bakery products. Pretz-Sticks Baking Company. 189,896; renewed Sept. 30, 1944.
Cakes, Angel food. J. M. Luker. 410,235; Nov. 14; Serial No. 471,952; published Sept. 5, 1944.
Cakes, cookies, fried cakes, etc. Grennan Cake Corporation. 195,760; renewed Mar. 3, 1945.
Cane sugar, fresh potatoes, canned apples, etc. Western Grocer Company. 191,359; renewed Nov. 4, 1944.
Canned berries and canned fruits. Olympia Canning Company. 191,276; renewed Nov. 4, 1944.
Canned fruits. Olympia Canning Company. 184,085; renewed May 20, 1944.
Canned fruits. Olympia Canning Company. 193,235; renewed Dec. 23, 1944.
Canned fruits, canned berries, and canned vegetables. Hudson & Company. 195,504; renewed Feb. 24, 1945.
Canned fruits, canned vegetables, and oatmeal. Staples Grocery, Inc. 196,476; renewed Mar. 17, 1945.
Canned pimiento peppers. Pomona Products Company. 189,856; renewed Sept. 30, 1944.
Canned sardines. Commercial Compiner Company. 410,236; Nov. 14; Serial No. 472,043; published Sept. 5, 1944.
Canned tomatoes. Utah Canning Company. 186,074; renewed July 1, 1944.
Canned tomatoes, hominy, sauerkraut, pumpkin, etc. Utah Canning Company. 187,209; renewed July 29, 1944.
Dates, Fresh. L. Swingle. 410,264; Nov. 14.
Feeds, Live stock and poultry. Boeke Feed Co. 410,199; Nov. 14; Serial No. 467,749; published Sept. 5, 1944.
Flour, Wheat. International Milling Company. 193,939; renewed Jan. 13, 1945.
Flour, wheat flour, Self-rising. Acme-Evans Company. 410,195; Nov. 14; Serial No. 466,317; published Aug. 29, 1944.
Food product in paste form. General Desserts Corporation. 410,270; Nov. 14.
Food products. Davis and Company. 410,237; Nov. 14; Serial No. 472,101; published Sept. 5, 1944.
Fruit product, Compounded. Orchard Products Company. 410,247; Nov. 14.
Fruits, fresh satsumas, fresh tangerines, etc., Fresh citrus. B. E. Keith. 185,301; renewed June 10, 1944.
Ice-Cream. Bridgeman-Russell Company. 191,363; renewed Nov. 4, 1944.
Ice-cream cones. Roberts Cone Manufacturing Company. 191,360; renewed Nov. 4, 1944.
Lemons, Fresh. Glendora Lemon Growers Association. 196,915; renewed Mar. 31, 1945.
Stabilizers. Bowey's, Inc. 410,214; Nov. 14; Serial No. 470,404; published Aug. 29, 1944.
Vegetables, Fresh. Farley Fruit Co. 410,220; Nov. 14; Serial No. 471,151; published Sept. 5, 1944.
Vinegar, pickles, sauerkraut, etc. Altshuler Brothers & Company. 196,108; renewed Mar. 10, 1945.

CLASS 50

Parts for scaffolding, ladders, and the like, including planks therefor. John S. Tilley Ladders Co. 195,880; renewed Mar. 3, 1945.
Plaques. International Society of Christian Endeavor. 410,206; Nov. 14; Serial No. 469,357; published Sept. 5, 1944.

LIST OF DESIGN PATENTEES

American Optical Company. (See Ellis, Charles A., assignor.)
Atlas Half Size Dress Co. (See Stein, Michael G.)
Barger, Herb C., Denver, Colo. Music stand. 139,445; Nov. 14.
Bates, Mortimer, Brooklyn, N. Y., assignor to Sperry Gyroscope Company, Inc. Helicopter. 139,424; Nov. 14.
Beatrice Creamer Company. (See Fuerst, Edwin W., assignor.)
Bell, Stanley A. (See Hughes, H. R., Clark, and Bell.)
Bohn Aluminum & Brass Corporation. (See Walker, George W., assignor.)
Brown, Stanley J., Elm Grove, assignor to Met-L-Top Tables Inc., Milwaukee, Wis. Shoe rack. 139,415; Nov. 14.
Brubaker, Leo D., York, Pa., assignor to The Dentists' Supply Company of New York, New York, N. Y. Artificial tooth facing. 139,446; Nov. 14.
Brubaker, Leo D., York, Pa., assignor to The Dentists' Supply Company of New York, New York, N. Y. Artificial tooth facing. 139,447; Nov. 14.
Buckingham, John D., assignor to Lucien Lelong, Inc., Chicago, Ill. Combined perfume bottle and stopper or similar article. 139,433; Nov. 14.
Chaney, John L., Lake Geneva, Wis. Clinometer. 139,402; Nov. 14.
Christen, Marcel, New York, N. Y. Textile fabric. 139,448; Nov. 14.
Churchill, Charles H., Cortland, N. Y. Target game board or similar article. 139,403; Nov. 14.
Clark, Virginius E. (See Hughes, H. R., Clark, and Bell.)
Condon, Robert S., Rutland, Vt. Milling machine. 139,404; Nov. 14.
Consolidated Vultee Aircraft Corporation. (See Stout, William B., assignor.)
Coro, Inc. (See Katz, Adolph, assignor.)
Couse, Kibbey W., Newark, N. J. Cubicle for electrical control panels. 139,434; Nov. 14.
Cressaty, George M., New York, N. Y. Combined lens and ash tray. 139,435; Nov. 14.
Cressaty, George M., New York, N. Y. Lens or similar article. 139,436; Nov. 14.
Dentists' Supply Company of New York, The. (See Brubaker, Leo D., assignor.)
Ekonomon, Helen D., New York, N. Y. Frying pan. 139,416; Nov. 14.
Ellis, Charles A., assignor to American Optical Company, Southbridge, Mass. Diagnostic instrument head. 139,425; Nov. 14.
Fink, Fred H., New York, N. Y. Cradle. 139,449; Nov. 14.
Fosgood Corporation. (See Richards, Harry C., assignor.)
Fosgood Corporation. (See Ulvad, Bernard, assignor.)
Fuerst, Edwin W., Toledo, Ohio, assignor to Beatrice Creamery Company, Chicago, Ill. Bottle. 139,437; Nov. 14.
Glafke, Barbara J., New York, N. Y. Combined cigarette, match, bill, and coin fold. 139,417; Nov. 14.
Goldfrank, John, New York, N. Y. Embroidered trimming. 139,450; Nov. 14.
Goldfrank, John, New York, N. Y. Embroidered trimming. 139,451; Nov. 14.
Guth, Stern & Co. (See Lippincott, Joshua G., assignor.)
Heintz, Ralph M., Cleveland, assignor to Jack & Heintz, Inc., Bedford, Ohio. Directional gyro. 139,426; Nov. 14.
Holophane Company. (See Lippincott, Joshua G., assignor.)
Horton Manufacturing Company, The. (See Treadway, William I., assignor.)
Hughes, Howard R., Houston, Tex., V. E. Clark, Pacific Palisades, and S. A. Bell, Glendale, Calif., assignors to Hughes Tool Company, Houston, Tex. Airplane. 139,438; Nov. 14.
Hughes Tool Company. (See Hughes, H. R., Clark, and Bell, assignors.)
Jack & Heintz, Inc. (See Heintz, Ralph M., assignor.)
Jackson, Merlin M., San Jose, Calif. Combined washer and wringer drive housing. 139,427; Nov. 14.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch. 139,405; Nov. 14.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch. 139,406; Nov. 14.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch pin. 139,407; Nov. 14.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch pin. 139,408; Nov. 14.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 139,409; Nov. 14.
Ken-Tool Manufacturing Company, The. (See Lydle, John E., assignor.)
Knoblock, Fred, Waterbury, Conn. Lighting fixture bowl. 139,439; Nov. 14.
Knoblock, Fred, Waterbury, Conn. Lighting fixture bowl. 139,440; Nov. 14.
Landerman, John D., Allston, Mass. Oil burner boiler. 139,418; Nov. 14.
Le Bourgeois, Roy, New Orleans, La. Button. 139,419; Nov. 14.
Lelong, Lucien, Inc. (See Buckingham, John D., assignor.)
Lippincott, Joshua G., Scarsdale, N. Y., assignor to Guth, Stern & Co., Inc. Flashlight or like article. 139,441; Nov. 14.
Lippincott, Joshua G., Scarsdale, N. Y., assignor to Guth, Stern & Co., Inc. Flashlight or like article. 139,442; Nov. 14.
Lippincott, Joshua G., Scarsdale, N. Y., assignor to Halophane Company, Inc. Luminaire. 139,443; Nov. 14.
Lippincott, Joshua G., Scarsdale, N. Y., assignor to Halophane Company, Inc. Luminaire. 139,444; Nov. 14.
Lydle, John E., assignor to The Ken-Tool Manufacturing Company, Akron, Ohio. Tire tool. 139,420; Nov. 14.
Met-L-Top Tables Inc. (See Brown, Stanley J., assignor.)
Meyers, Charles, New York, N. Y. Wallet. 139,429; Nov. 14.
Morris, Harry, Chicago, Ill. Compact. 139,428; Nov. 14.
O'Kane, Leo J., Bayonne, N. J. Automobile. 139,452; Nov. 14.
Powell, Frank, Miami, Fla. Brooch or similar article. 139,421; Nov. 14.
Rafelman, Jesse, Norfolk, Va. Applique insignia. 139,422; Nov. 14.
Richards, Harry C., Morristown, N. J., assignor to Fosgood Corporation, Leominster, Mass. Sun goggle or the like. 139,410; Nov. 14.
Roberts, Louis T., Pittsburg, Calif. Sewing cabinet. 139,453; Nov. 14.
Robinson, Allan, Boston, Mass. Figurine. 139,423; Nov. 14.
Rothman, David, New York, N. Y. Dickey or similar article. 139,430; Nov. 14.
Sanford, Willis F., Lakewood, Ohio. Wall bracket for memorandum paper or the like. 139,431; Nov. 14.
Schatzberg, Meyer. (See Stein, Michael G., assignor.)
Schreyer, Oscar, New York, N. Y. Pin or similar article. 139,412; Nov. 14.
Smallman, Samuel J., New York, N. Y. Combined billfold, passholder, and keyholder. 139,413; Nov. 14.
Sperry Gyroscope Company. (See Bates, Mortimer F., assignor.)
Stein, Michael G., Brooklyn, assignor to Meyer Schatzberg, doing business as Atlas Half Size Dress Co., New York, N. Y. Dress. 139,454; Nov. 14.
Stout, William B., Pontiac, Mich., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Helicopter. 139,432; Nov. 14.
Thonet Brothers, Inc. (See Weill, Bruno R., assignor.)
Treadway, William I., assignor to the Horton Manufacturing Company, Bristol, Conn. Line guide for fishing rods. 139,411; Nov. 14.
Ulvad, Bernard, assignor to Fosgood Corporation, Leominster, Mass. Sun goggle or the like. 139,414; Nov. 14.
Walker, George W., Pleasant Ridge, assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich. Station wagon. 139,455; Nov. 14.
Walker, Joset, New York, N. Y. Dress. 139,456; Nov. 14.
Weill, Bruno R., Statesville, N. C., assignor to Thonet Brothers, Inc., New York, N. Y. Table. 139,457; Nov. 14.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 14TH DAY OF NOVEMBER, 1944

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbott, Edward J., and W. L. Perry, assignors to Abbott Machine Company, Wilton, N. H. Winding machine. 2,362,455; Nov. 14.

Abbott Machine Company. (See Abbott, E. J., and Perry, assignors.)

Acton, Russel D., assignor to International Harvester Company, Chicago, Ill. Hydraulic braking system for tractors. 2,362,521; Nov. 14.

Adams, Chester M. (See Bailey, W. C., and Adams.)

Adams, Harold E., assignor to Nash Engineering Company, South Norwalk, Conn. Pump. 2,362,954; Nov. 14.

Aguiar, Antonio S., et al. (See Medeiros, Frank P., assignor.)

Albertson, Lawrence E., St. Paul, and H. M. Mueller, Minneapolis, assignors to The McKays Company, St. Paul, Minn. Feeder. 2,362,606; Nov. 14.

Albertson, Lawrence E., assignor to The McKays Company, St. Paul, Minn. Feeder. 2,362,607; Nov. 14.

Alden, Herbert W., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Steering drive axle. 2,362,456; Nov. 14.

Alien Property Custodian. (See Gleissner, Walter.)

Alien Property Custodian. (See Weigend, Franz.)

Allen, Roy O., Athens, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Adjusting device for throttle valves. 2,362,608; Nov. 14.

Allied Chemical & Dye Corporation. (See Brown, William B., assignor.)

Allied Purchasing Corporation, et al. (See Kramer, Ferdinand, assignor.)

Allred, George W., Mayodan, N. C. Abrasive tool. 2,362,739; Nov. 14.

Alter, Harry, Co., The. (See Schaefer, Harold W., assignor.)

American Crucible Company. (See Hubbell, George T., assignor.)

American Display Company, The. (See Dunkelberger, Milton S., assignor.)

American Machine and Foundry Company. (See Stein, J. A., and Whipple, assignors.)

American Smelting and Refining Company. (See Gall, C., and Prucha, assignors.)

American Steel Foundries. (See Maatman, E. J., and Clasen, assignors.)

American Viscose Corporation. (See Spangler, L. K., and Pratt, assignors.)

Anderson, Andrew J., Minneapolis, Minn. Eye-forming machine. 2,362,522; Nov. 14.

Anderson, Andrew T., Dover, N. J. Coating machine. 2,362,457; Nov. 14.

Andrews, Douglas D. (See Teague, W. D. and W. D., Jr., Myers, and Andrews.)

A-1 Bit and Tool Company Ltd. (See Barrett, G. J., and Robichaux, assignors.)

Arens, Charles A., assignor to Arens Controls, Inc., Chicago, Ill. Control mechanism. 2,362,458; Nov. 14.

Arens Controls, Inc. (See Arens, Charles A., assignor.)

Armour and Company. (See Conquest, V., and Keil, assignors.)

Armstrong, Edward M., Jr., Orinda, and R. K. Cutter, assignors to Cutter Laboratories, Berkeley, Calif. Suspension member. 2,362,523; Nov. 14.

Arnold, Hoffman & Co. (See Morgan, W. L., and McLeod, assignors.)

Ashton, Albert A., Houston, Tex., assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif. Mud pump. 2,362,524; Nov. 14.

Ashton, Albert A., Houston, Tex., assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif. Slush pump. 2,362,525; Nov. 14.

Atlas Powder Company. (See Pratt, Carl D., assignor.)

Austenal Laboratories, Inc. (See Zahn, Eric H., assignor.)

Austin, Albert B., Minneapolis, Minn. Sectional fireplace heater. 2,362,526; Nov. 14.

Austin, Charles D., Cincinnati, Ohio. Device for taking stereoscopic pictures. 2,362,790; Nov. 14.

Aviation Patents, Inc. (See McLeod, Albert K., assignor.)

Ayars, Harry D., Philadelphia, Pa., assignor to Continental Can Company, Inc., New York, N. Y. Attachment for stripping foam from cans. 2,362,791; Nov. 14.

Ayars, Harry D., Philadelphia, Pa., assignor to Continental Can Company, Inc., New York, N. Y. Stop mechanism for can conveyers. 2,362,792; Nov. 14.

Ayars, Harry D., Philadelphia, Pa., assignor to Continental Can Company, Inc., New York, N. Y. Machine for filling cans. 2,362,793; Nov. 14.

Bailey, William C., and C. M. Adams, assignors to United States Plywood Corporation, Seattle, Wash. Veneer edge preparing apparatus. 2,362,527; Nov. 14.

Baily, Erlan C., Oklahoma City, Okla. Apparatus for flowing oil or gas wells. 2,362,442; Nov. 14.

Baker & Co. Inc. (See Wade, Kenneth L., assignor.)

Balassa, Ladislaus, Flint, Mich., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Coating composition and preparing the same. 2,362,876; Nov. 14.

Balkin, Mark. (See Canney, Duncan E. F.)

Balz, Emil H., A. W. Kassay, and W. D. Williams, Toledo, Ohio, assignors, by mesne assignments, to Libbey-Owens-Ford Glass Company. Preparation of fine cellulose flour. 2,362,528; Nov. 14.

Bargen, William J., Waukegan, Ill. Typewriter desk. 2,362,877; Nov. 14.

Barnett, Louis, Brooklyn, assignor, by mesne assignments, to National Urn Bag Co., Inc., Long Island City, N. Y. Infusion package and the manufacture thereof. 2,362,459; Nov. 14.

Barnett, Louis, Brooklyn, N. Y., assignor to Millie Patent Holding Co., Inc. Infusion package and the manufacture thereof. 2,362,460; Nov. 14.

Barr, Roger S. (See Strunk, K. G., and Barr.)

Barrett, George J., and S. Robichaux; R. Robishaw, executrix of said S. Robichaux, deceased, assignors to A-1 Bit and Tool Company Ltd., Houston, Tex. Side tracking apparatus. 2,362,529; Nov. 14.

Barth, Elmer J. (See Peterson, C. D., and Barth.)

Batchelor, Robert L., Mamaroneck, N. Y. Container covers. 2,362,740; Nov. 14.

Beach, Ralph H., Rockdale, Md. Hedge cutter. 2,362,461; Nov. 14.

Bechman, William O., Chicago, Ill., assignor to International Harvester Company. Lubricating means. 2,362,443; Nov. 14.

Behar, Samuel M. (See Redin, R. W., and Behar.)

Belcher, Daniel, Minneapolis, Minn., and F. R. Linda, St. Louis, Mo., assignors to Bemis Bro. Bag Co., Minneapolis, Minn. Bag closing machine. 2,362,462; Nov. 14.

Bell & Howell Company, The. (See Stechbart, Bruno, assignor.)

Bell Telephone Laboratories, Inc. (See Davis, R. C., and Matthies, assignors.)

Bell Telephone Laboratories, Incorporated. (See Ellis, W. C., and Souden, assignors.)

Bell Telephone Laboratories, Incorporated. (See Gilman, George W., assignor.)

Bell Telephone Laboratories, Incorporated. (See Hale, Stuart G., assignor.)

Bell Telephone Laboratories, Incorporated. (See Harrison, Henry C., assignor.)

Bell Telephone Laboratories, Inc. (See Hickman, Clarence N., assignor.)

Bell Telephone Laboratories, Incorporated. (See Priessman, Neil Y., assignor.)

Bell Telephone Laboratories, Incorporated. (See Shepherd, William G., assignor.)

Bemis Bro. Bag Co. (See Belcher, D., and Linda, assignors.)

Benander, George B., Oaklawn, R. I., assignor to Monowatt Electric Corporation. Wiring device. 2,362,794; Nov. 14.

Bendix-Westinghouse Automotive Air Brake Company. (See Sanford, Roy S., assignor.)

Benedict, Wayne L., assignor to Universal Oil Products Company, Chicago, Ill. Hydrocarbon conversion process. 2,362,795; Nov. 14.

Benedict, William S. (See Tryon, S., and Benedict.)

Bennett, Dale L., assignor to International Harvester Company, Chicago, Ill. Filter. 2,362,530; Nov. 14.

Bent, Leavitt, N., assignor to Hercules Powder Company, Wilmington, Del. Explosive. 2,362,878; Nov. 14.

Berger, Knute, Seattle, Wash. Pin retainer latch for fairleaders. 2,362,531; Nov. 14.

Berke, Joseph D., New York, N. Y. External fixation of bone fractures. 2,362,741; Nov. 14.

Better Packages Incorporated. (See Krueger, Theodore H., assignor.)

Beutel, Ralph H. (See Stevens, J. R., and Beutel.)

Bicknell, George M., assignor to Carter Carburetor Corporation, St. Louis, Mo. Carburetor. 2,362,879; Nov. 14.

Bilek, Frank J., assignor to The Globe Company, Chicago, Ill. Apparatus for use in cooling offal and the like. 2,362,532; Nov. 14.

Bingham, George H., Jr., Lincoln, assignor to Cambridge Rubber Company, Cambridge, Mass. Lifesaving apparatus. 2,362,962; Nov. 14.

Black and Decker Manufacturing Company. (See Short, Harold O., assignor.)

Blackman, Stanley, Brooklyn, N. Y. Dispensing container. 2,362,609; Nov. 14.

Blanchard, Werner J., and C. S. J. MacNeil, Dayton, Ohio, assignors, by mesne assignments, to General Motors Corporation, Detroit, Mich. Propeller mechanism. 2,362,444; Nov. 14.

Blodgett, Clarence M., New York, N. Y. Fastener. 2,362,445; Nov. 14.

Bodine, Albert G., Jr., Burbank, assignor to The Calpat Corporation, Los Angeles, Calif. Apparatus for indicating pressure changes over time intervals. 2,362,446; Nov. 14.

Boehm, Robert M., and H. E. Hall, assignors to Masonite Corporation, Laurel, Miss. Producing carbon and activating the same, and products thereof. 2,362,463; Nov. 14.

Boesel, Charles F., St. Louis, Mo. Absorbent closure cap. 2,362,796; Nov. 14.

Bokovoy, Samuel A., Verona, N. J., assignor to Federal Telephone and Radio Corporation. Piezo crystal holder. 2,362,797; Nov. 14.

Bold, Ralph E., Drexel Hill, Pa., assignor to General Electric Company. Electric switchgear. 2,362,798; Nov. 14.

Bollwerk, Cornelius A., St. Louis, Mo. Turning machine. 2,362,533; Nov. 14.

Boosey, Edward W. N., Detroit, Mich. Grease interceptor. 2,362,447; Nov. 14.

Bowen, Merlin L. (See Hansen, W. O. and Bowen.)

Bowers, Frederick M., Chester, Pa. Helmet connection for skullguards. 2,362,610; Nov. 14.

Bowser, Theron L., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Crossbar switch system. 2,362,448; Nov. 14.

Boyd, John M., L. E. Clifcorn, and G. T. Peterson, Chicago, Ill., assignors to Continental Can Company, Inc., New York, N. Y. Method of and apparatus for removing air from the head spaces of filled cans. 2,362,799; Nov. 14.

Brackett, Tracy F., assignor to General Motors Corporation, Detroit, Mich. Variable feed mechanism. 2,362,449; Nov. 14.

Bradt, Charles C. (See Reed, George E., assignor.)

Brandt, Edgar W., Paris, France, assignor to Sageb, Société Anonyme de Gestion et d'exploitation de brevets, Fribourg, Switzerland. Lighting projectile. 2,362,534; Nov. 14.

Breeze Corporations, Inc. (See Strunk, K. G., and Barr, assignors.)

Breslav, Jack, New Haven, Conn. Stock handling grab. 2,362,742; Nov. 14.

Britton, Edgar C., and J. N. Hansen, assignors to The Dow Chemical Company, Midland, Mich. Amine salts of polyhalo-phenols. 2,362,464; Nov. 14.

Brown, Leo H., Glenville, Conn. Windshield construction. 2,362,611; Nov. 14.

Brown, William B., Westmont, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Sulphonation of toluene. 2,362,612; Nov. 14.

Browning, J. M. & M. S., Company. (See Browning, Val A., assignor.)

Browning, Val A., assignor to J. M. & M. S. Browning Company, Ogden, Utah. Machine gun. 2,362,613; Nov. 14.

Bryant Electric Company, The. (See Hodgkins, Charles H., assignor.)

Bucher, Joseph. (See Thompson, A. R., and Bucher.)

Bucknam, James H., Cranford, N. J., assignor to The Linde Air Products Company. Blowpipe apparatus. 2,362,535; Nov. 14.

Bucknam, James H., Cranford, N. J., assignor to The Linde Air Products Company. Apparatus for conditioning the surfaces of metal bodies. 2,362,536; Nov. 14.

Budd Wheel Company. (See Farr, Warren H., assignor.)

Bulldog Electric Products Company. (See Platz, Elwood T., assignor.)

Burd, Martin M. (See Burd, Samuel I. and M. M.)

Burd, Samuel I. and M. M., Melrose Park, Pa. Display device. 2,362,800; Nov. 14.

Butler, William F., assignor to Cutter Laboratories, Berkeley, Calif. Intravenous injection equipment and operating same. 2,362,537; Nov. 14.

Calpat Corporation, The. (See Bodine, Albert G., Jr., assignor.)

Calumet and Hecla Consolidated Copper Company. (See Hill, Walter P., assignor.)

Calva, Jose B., St. Paul, Minn. Insecticides. 2,362,614; Nov. 14.

Cambridge Rubber Company. (See Bingham, George H., Jr., assignor.)

Campbell, Thomas A., assignor to Stewart-Warner Corporation, Chicago, Ill. Coupler. 2,362,880; Nov. 14.

Canney, Duncan E. F., and M. Balkin, Bentham, Lancaster, assignors to The Sillick Holding Company Limited, Newcastle-upon-Tyne, England. Apparatus for coating textile hose. 2,362,881; Nov. 14.

Cantwell, John D., Detroit, Mich., assignor to The Trane Company, La Crosse, Wis. Heat exchange unit. 2,362,955; Nov. 14.

Caplan, Solomon, New York, N. Y., assignor to Harvel Research Corporation. Compositions of rubber and gelled solution of shellac in a glycol. 2,362,538; Nov. 14.

Carbide and Carbon Chemicals Corporation. (See Murray, I. L., and Edmonds, assignors.)

Carborundum Company, The. (See Hutchins, Otis, assignor.)

Carey, Phillip, Manufacturing Company, The. (See Marc, Henri M., assignor.)

Carlin, Alexander. (See Lind, A. C., and Carlin.)

Carner, George M., assignor to G. E. McKewen, Sr., Baltimore, Md. Combination for supporting, restraining, and protecting a child when seated at a table. 2,362,465; Nov. 14.

Carroll, Howard F. (See Rosenberg, H. R., and Carroll.)

Carson, William F., Jr., Brunswick, Ga., assignor to Hercules Powder Company, Wilmington, Del. Detergent and production. 2,362,882; Nov. 14.

Carter Carburetor Corporation. (See Bicknell, George M., assignor.)

Carter, Frank E., Minneapolis, Minn. Walker and rejuvenator for physically disabled persons. 2,362,466; Nov. 14.

Case, J. I., Company. (See Russell, Stanley D., assignor.)

Cathodeon Limited. (See Liebmann, Gerhard, assignor.)

Cecil, William E., High Point, N. C. Tire pressure indicating system. 2,362,883; Nov. 14.

Celanese Corporation of America. (See Piperoux, Rene P., assignor.)

Celanese Corporation of America. (See Stearn, W. T., and Schulte, assignors.)

Chamberlin, Benjamin D. (See Sprague, J. A., and Chamberlin.)

Champlain Company, Inc. (See Weiss, Adolph, assignor.)

Chance, A. B., Company. (See Hubbard, David C., assignor.)

Chappel, Loring H., Bridgeport, Conn., assignor to Raybestos-Manhattan, Inc., Passaic, N. J. Making friction materials. 2,362,450; Nov. 14.

Charnock, Clement J., Manchester, England. Apparatus for joining pieces of yarn. 2,362,801; Nov. 14.

Cheesman, Richard D., assignor to Traylor Engineering and Manufacturing Company, Allentown, Pa. Rotary water-cooled tube cooler. 2,362,539; Nov. 14.

Chicago Eye Shield Company. (See Malcom, Robert, assignor.)

Chicago Rawhide Manufacturing Company. (See Northup, Harry L., assignor.)

Christensen, Leo M., Miller, assignor of one-third to F. L. Robinson, Kearney, Nebr., and one-third to J. L. Ledbetter, Jr., Scarsdale, N. Y. Fermentation process for production of ethanol. 2,362,451; Nov. 14.

Chrysler Corporation. (See Cousino, Walter P., assignor.)

Ciabattari, Emil J., Chicago, Ill., assignor to Yeomans Brothers Company. Control of duplex pneumatic sewage ejectors. 2,362,802; Nov. 14.

Cities Service Oil Company. (See Morgan, John D., assignor.)

Clark, James, Dayton, Ohio. Excitation of vibration instructural members. 2,362,467; Nov. 14.

Clark, John W., Westbrook, Maine, assignor to S. D. Warren Company, Boston, Mass. Making aluminum coated paper. 2,362,884; Nov. 14.

Clark, Llewellynn J., and W. F. Goosmann, assignors to The Tanglefoot Company, Grand Rapids, Mich. Atomizing apparatus. 2,362,885; Nov. 14.

Clark, Richard U., Fort Wayne, Ind., assignor to Fansteel Metallurgical Corporation, North Chicago, Ill. Getter. 2,362,468; Nov. 14.

Clasen, Clause J. W. (See Maatman, E. J., and Clasen.)

Clausen, Henry P., White Plains, N. Y., assignor to The Gray Manufacturing Company, Hartford, Conn. Continuous sound recording and reproducing system. 2,362,803; Nov. 14.

Clement, Frederick R., Coventry, England. Comparator. 2,362,615; Nov. 14.

Cleveland Pneumatic Tool Company, The. (See Speth, Lloyd G., assignor.)

Clifcorn, La Verne E. (See Boyd, J. M., Clifcorn, and Peterson.)

Cloud, Raymond T., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Pendulum compensator. 2,362,616; Nov. 14.

Coen Company. (See Voorheis, Joseph T., assignor.)

Coffman, Donald D., and J. C. Sauer, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Disulphonamides having quaternary ammonium salt groups. 2,362,886; Nov. 14.

Cohn, Martin M., Brooklyn, assignor to M. M. Scharf, Long Beach, N. Y. Mechanism for holding umbrella cover tips in stitching position. 2,362,452; Nov. 14.

Colby, Colburn J. (See Griffith, W. H., and Colby.)

Columbus Dental Manufacturing Co., The. (See Moyer, J. H., and Evans.)

Conquest, Victor, Chicago, and H. L. Keil, Clarendon Hills, assignors to Armour and Company, Chicago, Ill. Hide treatment. 2,362,540; Nov. 14.

Consolidated Vultee Aircraft Corporation. (See Giffen, Harvey D., assignor.)

Continental Can Company. (See Ayars, Harry D., assignor.)

Continental Can Company. (See Boyd, J. M., Clifcorn, and Peterson, assignors.)

Continental Can Company. (See Haycock, John, assignor.)
Continental Can Company. (See Hodgson, William W., assignor.)
Continental Can Company. (See Larson, Ralph A., assignor.)
Continental Can Company. (See Mero, Ralph M., assignor.)
Continental Can Company. (See Minaker, Herbert L., assignor.)
Continental Can Company. (See O'Brien, Frank J., assignor.)
Continental Can Company. (See O'Neil, James H., assignor.)
Continental Can Company. (See Pearson, Paul E., assignor.)
Continental Can Company. (See Pearson, P. E., and Magnus, assignors.)
Continental Can Company. (See Spaulding, Daniel E., assignor.)
Cook Electric Company. (See Schultz, Roy M., assignor.)
Coolidge, Charles H. (See Remington, L. F., and Coolidge.)
Cornell Research Foundation, Inc. (See Parratt, L. G., and Trischka, assignors.)
Cornell Research Foundation, Inc. (See Romanoff, Alexis L., assignor.)
Corte, Alfred, Glendale, Calif., assignor, by mesne assignments, to Lockheed Aircraft Corporation. Gun turret. 2,362,887; Nov. 14.
Cosper, Dale L., assignor to International Harvester Company, Auburn, Ind. Vehicle cab. 2,362,453; Nov. 14.
Courtaulds Limited. (See MacGregor, James H., assignor.)
Cousino, Walter P., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Injection molding apparatus. 2,362,469; Nov. 14.
Cox, Ralph, Jr., Pittsburgh, Pa. Rotary wing for aircraft. 2,362,804; Nov. 14.
Cox, Richard F. B., assignor to Hercules Powder Company, Wilmington, Del. Production of a resinous material. 2,362,888; Nov. 14.
Crater, Willard D., Newark, assignor to Hercules Powder Company, Wilmington, Del. Manufacture of dinitrotoluene. 2,362,743; Nov. 14.
Culbertson, Henry E., McCook, Nebr. Valve mechanism for high-speed steam engines. 2,362,744; Nov. 14.
Curtis & Marble Machine Company. (See Remington, Leland F., assignor.)
Curtis & Marble Machine Company. (See Remington, L. F., and Coolidge, assignors.)
Cutter Laboratories. (See Armstrong, E. M., Jr., and Cutter, assignors.)
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Cutter, Robert K. (See Armstrong, E. M., Jr., and Cutter.)
Dalmo Victor Co. (See Soule, Arthur H., assignor.)
Damsel, Nelle H., executrix. (See Damsel, William B.)
Damsel, William B., deceased, Scarsdale, N. Y.; N. H. Damsel, executrix. Pipe coupling. 2,362,454; Nov. 14.
Damsted, John, Sudbury, Ontario, Canada. Rocker. 2,362,685; Nov. 14.
Darrah, William A., Chicago, Ill. Distillation device and process. 2,362,889; Nov. 14.
Davidson, Arthur C., deceased, by A. C. Davidson, Collinsville, Conn., executrix. Method of and apparatus for making airplane propeller blades. 2,362,745; Nov. 14.
Davidson, Avis C., executrix. (See Davidson, Arthur C.)
Davis, Clyde O., Woodbury, and H. H. Fassnacht, Wenonah, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Explosive composition. 2,362,617; Nov. 14.
Davis, Richard C., Great Neck, N. Y., and W. H. Matthies, Hackensack, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,362,619; Nov. 14.
Dayton Liquid Meter Co., The. (See Houser, J. E., Hancock, and Rowe, assignors.)
De Lancey, Warren H., Springfield, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Fluid meter. 2,362,541; Nov. 14.
De Lancey, Warren H., Springfield, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Variable-speed driving mechanism. 2,362,542; Nov. 14.
De Lano, Frank A., Los Angeles, Calif. Coupling. 2,362,686; Nov. 14.
Denver Chemical Manufacturing Company, The. (See Galat, Alexander, assignor.)
De Rosa, Louis A., Staten Island, N. Y., assignor to Federal Telephone and Radio Corporation. Artificial line and making same. 2,362,470; Nov. 14.
DeVries, Nicholas A., Flushing, N. Y. Chair. 2,362,746; Nov. 14.
Dietrich, Melvin A., Claymont, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Viscous hydrocarbon oils. 2,362,890; Nov. 14.
Ditto, Incorporated. (See Watkins, Lawrence A., assignor.)
Doan, Richard L., Bartlesville, Okla., assignor to Phillips Petroleum Company. Method and apparatus for detecting hydrocarbons. 2,362,805; Nov. 14.
Doherty, Harry J. (See Lowther, Wilfred W., assignor.)
Dome, Robert B., Bridgeport, Conn., assignor to General Electric Company. Frequency modulation receiver. 2,362,806; Nov. 14.
Dominion Magnesium Limited. (See Hertel, MacNeil E., assignor.)
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Dostalik, Henry E. (See Marrow, K., and Dostalik.)
Dow Chemical Company, The. (See Britton, E. C., and Hansen, assignors.)
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Downing, John. (See Groombridge, Walter H.)
Drake, Alden M., assignor to Niles-Bement-Pond Company, West Hartford, Conn. Work holder for lapping devices. 2,362,543; Nov. 14.
Dreher, George M., Grosse Pointe Woods, Mich. Analytical apparatus. 2,362,687; Nov. 14.
Dreisbach, Robert R. (See Fletcher, F. W., and Dreisbach.)
Dreisbach, Robert R., and F. W. Fletcher, assignors to The Dow Chemical Company, Midland, Mich. Parasiticide. 2,362,471; Nov. 14.
Dreisbach, Robert R., and F. W. Fletcher, assignors to The Dow Chemical Company, Midland, Mich. Fumigant mixtures. 2,362,472; Nov. 14.
Dresner, Emanuel, assignor to F. Poster, Chicago, Ill. Luggage. 2,362,807; Nov. 14.
Duke, Alfred, Colton, Calif. Irrigation system. 2,362,747; Nov. 14.
Dunham, James V., Southampton, Pa. Recordation of the path of movable bodies. 2,362,473; Nov. 14.
Dunkelberger, Milton S., assignor to The American Display Company, Dayton, Ohio. Smoker's pipe. 2,362,891; Nov. 14.
Dunn, John, Mountainside, assignor to Titeflex, Inc., Newark, N. J. Braiding machine. 2,362,688; Nov. 14.
Du Pont, E. I., de Nemours & Company. (See Balassa, Ladislaus, assignor.)
Du Pont, E. I., de Nemours & Company. (See Coffman, D. R., and Sauer, assignors.)
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Du Pont, E. I., de Nemours & Company. (See Woodward, David W., assignor.)
Durgin, George E., South Lynnfield, Mass., assignor to General Electric Company. Plug gauge. 2,362,808; Nov. 14.
Durning, James P., St. Albans, N. Y., assignor to International Cigar Machinery Company. Cigar bunch forming mechanism. 2,362,892; Nov. 14.
Durst, George, assignor to Metals & Controls Corporation, Attleboro, Mass. Solder. 2,362,893; Nov. 14.
Dye, Glen M. (See Sardeson, R., Friel, and Dye, H. M. and G. M.)
Dye, Harry M. (See Sardeson, R., Friel, and Dye, H. M. and G. M.)
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Eastman Kodak Company. (See McLain, William R., assignor.)
Eastman Kodak Company. (See Mihalyi, Joseph, and Scott, assignors.)
Eastman Kodak Company. (See Nadeau, G. F., and Starck, assignors.)
Eastman Kodak Company. (See Staehle, Henry C., assignor.)
Eastman Kodak Company. (See Vittum, Paul W., assignor.)
Eastman Kodak Company. (See Vittum, P. W., Peterson, and Porter, assignors.)
Eastman Kodak Company. (See Wengel, Raymond W., assignor.)
Eastman Kodak Company. (See Wittel, Otto, assignor.)
Eckberg, Arvid R., assignor to Eastman Kodak Company, Rochester, N. Y. Making vessels. 2,362,544; Nov. 14.
Edison, Thomas A., Incorporated. (See Kelly, Frederick G., assignor.)
Edmonds, Radcliffe G. (See Murray, I. L., and Edmonds.)
Eischens, John P., Olivia, Minn. Hog waterer. 2,362,620; Nov. 14.
Electric Household Utilities Corporation. (See Gerhardt, Andrew H., assignor.)

Ellis, William C., Maplewood, and A. G. Souden, Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Selenium rectifier and making it. 2,362,545; Nov. 14.
Elsenheimer, Charles W., assignor to Manning, Bowman & Co., Meriden, Conn. Electroplating apparatus. 2,362,474; Nov. 14.
Emsco Derrick & Equipment Company. (See Ashton, Albert A., assignor.)
Emsco Derrick & Equipment Company. (See Newcomb, Leroy, assignor.)
Emulsol Corporation, The. (See Epstein, A. K., and Katzman, assignors.)
Epstein, Albert K., and M. Katzman, assignors to The Emulsol Corporation, Chicago, Ill. Wetting-out compositions. 2,362,894; Nov. 14.
Eshbaugh, Jesse E., Flint, assignor to General Motors Corporation, Detroit, Mich. Direction signal switch. 2,362,689; Nov. 14.
Evans, David E. (See Moyer, J. H., and Evans.)
Evans, Ernest E., assignor of one-third to R. E. Evans and one-third to L. A. Evans, Riverside, Calif. Elevator. 2,362,809; Nov. 14.
Evans, Lloyd A., et al. (See Evans, Ernest E., assignor.)
Evans, Roy E., et al. (See Evans, Ernest E., assignor.)
Ex-Cell-O Corporation. (See Markstrum, John A., assignor.)
Fahnestock, Frank C., Wenonah, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Conversion of hydrocarbons. 2,362,621; Nov. 14.
Fairbanks, Morse & Co. (See Kuttner, Julius, assignor.)
Fansteel Metallurgical Corporation. (See Clark, Richard U., assignor.)
Farr, Warren H., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Piston ring and making same. 2,362,810; Nov. 14.
Farrar, Alvin J. (See Schlobohm, L., and Farrar.)
Fassnacht, Hartwell H. (See Davis, C. O., and Fassnacht.)
Federal Telephone and Radio Corporation. (See Bokovoy, Samuel A., assignor.)
Federal Telephone and Radio Corporation. (See De Rosa, Louis A., assignor.)
Fellows Gear Shaper Company, The. (See Miller, Edward W., assignor.)
Fellows Gear Shaper Company, The. (See Ward, B. L., and Weatherup, assignors.)
Fellows Gear Shaper Company, The. (See Williamson, James L., assignor.)
Fichter, Ludwig J., Dayton, Ohio, and B. A. Schwarz, Kokomo, Ind., assignors to General Motors Corporation, Detroit, Mich. Tuning mechanism. 2,362,690; Nov. 14.
Finaldi, James V. (See Gamache, Homer, assignor.)
Fischer, Hans, Yonkers, assignor to Lanova Corporation, Long Island City, N. Y. Injection engine. 2,362,622; Nov. 14.
Fitzgerald, Louis A., Republic, Wash. Ball mill liner. 2,362,811; Nov. 14.
Fletcher, Fred W. (See Dreisbach, R. R., and Fletcher.)
Fletcher, Fred W., and R. R. Dreisbach, assignors to The Dow Chemical Company, Midland, Mich. Fumigant. 2,362,475; Nov. 14.
Folmer Graflex Corporation, The. (See Gorey, A. H., Nadel, and Hineline, assignors.)
Folmer Graflex Corporation, The. (See Sprague, J. A., and Chamberlin.)
Food Machinery Corporation. (See Porch, Howard L., assignor.)
Food Machinery Corporation. (See Stockdale, Harry C., assignor.)
Food Machinery Corporation. (See Thompson, A. R., and Bucher, assignors.)
Ford, Frank R., Sparkbrook, Birmingham, England. Duplicateng machine. 2,362,895; Nov. 14.
Fossum, Maurice H., St. Paul, Minn. Damper regulator set. 2,362,623; Nov. 14.
Fouchey, Charles J., Ecorse, Mich. Live center. 2,362,812; Nov. 14.
Francis, Lelia I., Dayton, Ohio. Electric waving iron. 2,362,748; Nov. 14.
Friel, Lester D. (See Sardeson, R., Friel, and Dye, H. M. and G. M.)
Frische, Carl A., Great Neck, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Balanced valve structure. 2,362,476; Nov. 14.
Froning, Joseph F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Azo dyestuff. 2,362,477; Nov. 14.
Fuerst, Carl C., assignor to Eastman Kodak Company, Rochester, N. Y. Camera shutter. 2,362,546; Nov. 14.
Fuerst, Carl C., assignor to Eastman Kodak Company, Rochester, N. Y. Diaphragm shutter. 2,362,547; Nov. 14.
Gaiser, Martin W., Kokomo, Ind., assignor to General Motors Corporation, Detroit, Mich. Condenser tester. 2,362,691; Nov. 14.
Galat, Alexander, assignor to The Denver Chemical Manufacturing Company, New York, N. Y. Reagent for testing for acetone. 2,362,478; Nov. 14.
Gall, Carl, and F. J. Prucha, Omaha, Nebr., assignors to American Smelting and Refining Company, New York, N. Y. Truck for handling pig metal. 2,362,749; Nov. 14.
Gamache, Homer, assignor of one-half to J. V. Finaldi, Newark, N. J. Vegetable peeler. 2,362,896; Nov. 14.
Gaynor, James W., Chicago, and C. M. Loane, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Lubricant. 2,362,624; Nov. 14.
Gehring, Fred W., Villa Park, Ill. Signal apparatus. 2,362,897; Nov. 14.
General Aniline & Film Corporation. (See Reppe, W., Hecht, and Oschats, assignors.)
General Chemical Company. (See Tryon, S., and Benedict, assignors.)
General Electric Company. (See Bold, Ralph E., assignor.)
General Electric Company. (See Dome, Robert B., assignor.)
General Electric Company. (See Durgin, George E., assignor.)
General Electric Company. (See Harker, David, assignor.)
General Electric Company. (See Kline, Halsey W., assignor.)
General Electric Company. (See Kraft, Hans, assignor.)
General Electric Company. (See Stimson, Allen G., assignor.)
General Electric Company. (See Streid, Dale D., assignor.)
General Electric Company. (See Wardwell, George W., Jr., assignor.)
General Electric Company. (See Warner, Donald F., assignor.)
General Motors Corporation. (See Blanchard, W. J., and MacNeil, assignors.)
General Motors Corporation. (See Brackett, Tracy F., assignor.)
General Motors Corporation. (See Eshbaugh, Jesse E., assignor.)
General Motors Corporation. (See Fichter, L. J., and Schwarz, assignors.)
General Motors Corporation. (See Gaiser, Martin W., assignor.)
General Motors Corporation. (See Hull, Harry B., assignor.)
General Motors Corporation. (See Kirtland, H. C., and Hulsing, assignors.)
General Motors Corporation. (See Koehring, Roland P., assignor.)
General Motors Corporation. (See Simpson, Emory G., assignor.)
General Motors Corporation. (See Smith, Nelson J., assignor.)
General Radio Company. (See Scott, Hermon H., assignor.)
Gerhardt, Andrew H., Niles Center, assignor to Electric Household Utilities Corporation, Chicago, Ill. Ironing machine. 2,362,625; Nov. 14.
Gerstel, Fred V., et al. (See Kramer, Ferdinand, assignor.)
Gibbs, Carlin F., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Antioxidant for rubber. 2,362,479; Nov. 14.
Giffen, Harvey D., Pico, assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Tensiometer. 2,362,626; Nov. 14.
Gilbert & Barker Manufacturing Company. (See De Lancey, Warren H., assignor.)
Gillette Safety Razor Company. (See Muros, Joseph, assignor.)
Gillette Safety Razor Company. (See Shnitzler, Meyer J., assignor.)
Gilman, George W., Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signal transmission system. 2,362,898; Nov. 14.
Gleissner, Walter, Weissenfels-Saale, Germany; vested in the Alien Property Custodian. Shoe tacking machine. 2,362,480; Nov. 14.
Globe Company, The. (See Bilek, Frank J., assignor.)
Glycofrides, Eustace, Toledo, Ohio, assignor to Owens-Illinois Glass Company. Molding powders. 2,362,627; Nov. 14.
Glycofrides, Eustace, Toledo, Ohio, assignor to Owens-Illinois Glass Company. Producing molding powders. 2,362,628; Nov. 14.
Goates, John E., assignor to Pacific States Cast Iron Pipe Co., Provo, Utah. Positioning core bars in horizontal pipe casting apparatus. 2,362,899; Nov. 14.
Goldberg, Harold, F. H. Slaymaker, and J. R. Stewart, assignors to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Communication system. 2,362,692; Nov. 14.
Goodman Manufacturing Company. (See McCollough, William T., assignor.)
Goodrich, B. F., Company, The. (See Gibbs, Carlin F., assignor.)
Goodrich, B. F., Company, The. (See Lappert, Ronald, assignor.)
Goodrich, B. F., Company, The. (See Magurn, Charles H., assignor.)
Goodrich, B. F., Company, The. (See Stebbins, Charles S., assignor.)
Goosmann, William F. (See Clark, L. J., and Goosmann.)
Gorey, Archie H., L. D. Nadel, and E. S. Hineline, assignors to The Folmer Graflex Corporation, Rochester, N. Y. Photographic camera particularly adapted for aerial photography. 2,362,813; Nov. 14.

Continental Can Company. (See Haycock, John, assignor.)
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Continental Can Company. (See Larson, Ralph A., assignor.)
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Eastman Kodak Company. (See Wengel, Raymond W., assignor.)
Eastman Kodak Company. (See Wittel, Otto, assignor.)
Eckberg, Arvid R., assignor to Eastman Kodak Company, Rochester, N. Y. Making vessels. 2,362,544; Nov. 14.
Edison, Thomas A., Incorporated. (See Kelly, Frederick G., assignor.)
Edmonds, Radcliffe G. (See Murray, I. L., and Edmonds.)
Eischens, John P., Olivia, Minn. Hog waterer. 2,362,620; Nov. 14.
Electric Household Utilities Corporation. (See Gerhardt, Andrew H., assignor.)

Ellis, William C., Maplewood, and A. G. Souden, Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Selenium rectifier and making it. 2,362,545; Nov. 14.
Elsenheimer, Charles W., assignor to Manning, Bowman & Co., Meriden, Conn. Electroplating apparatus. 2,362,474; Nov. 14.
Emsco Derrick & Equipment Company. (See Ashton, Albert A., assignor.)
Emsco Derrick & Equipment Company. (See Newcomb, Leroy, assignor.)
Emulsol Corporation, The. (See Epstein, A. K., and Katzman, assignors.)
Epstein, Albert K., and M. Katzman, assignors to The Emulsol Corporation, Chicago, Ill. Wetting-out compositions. 2,362,894; Nov. 14.
Eshbaugh, Jesse E., Flint, assignor to General Motors Corporation, Detroit, Mich. Direction signal switch. 2,362,689; Nov. 14.
Evans, David E. (See Moyer, J. H., and Evans.)
Evans, Ernest E., assignor of one-third to R. E. Evans and one-third to L. A. Evans, Riverside, Calif. Elevator. 2,362,809; Nov. 14.
Evans, Lloyd A., et al. (See Evans, Ernest E., assignor.)
Evans, Roy E., et al. (See Evans, Ernest E., assignor.)
Ex-Cell-O Corporation. (See Markstrum, John A., assignor.)
Fahnestock, Frank C., Wenonah, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Conversion of hydrocarbons. 2,362,621; Nov. 14.
Fairbanks, Morse & Co. (See Kuttner, Julius, assignor.)
Fansteel Metallurgical Corporation. (See Clark, Richard U., assignor.)
Farr, Warren H., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Piston ring and making same. 2,362,810; Nov. 14.
Farrar, Alvin J. (See Schlobohm, L., and Farrar.)
Fassnacht, Hartwell H. (See Davis, C. O., and Fassnacht.)
Federal Telephone and Radio Corporation. (See Bokovoy, Samuel A., assignor.)
Federal Telephone and Radio Corporation. (See De Rosa, Louis A., assignor.)
Fellows Gear Shaper Company, The. (See Miller, Edward W., assignor.)
Fellows Gear Shaper Company, The. (See Ward, B. L., and Weatherup, assignors.)
Fellows Gear Shaper Company, The. (See Williamson, James L., assignor.)
Fichter, Ludwig J., Dayton, Ohio, and B. A. Schwarz, Kokomo, Ind., assignors to General Motors Corporation, Detroit, Mich. Tuning mechanism. 2,362,690; Nov. 14.
Finaldi, James V. (See Gamache, Homer, assignor.)
Fischer, Hans, Yonkers, assignor to Lanova Corporation, Long Island City, N. Y. Injection engine. 2,362,622; Nov. 14.
Fitzgerald, Louis A., Republic, Wash. Ball mill liner. 2,362,811; Nov. 14.
Fletcher, Fred W. (See Dreisbach, R. R., and Fletcher.)
Fletcher, Fred W., and R. R. Dreisbach, assignors to The Dow Chemical Company, Midland, Mich. Fumigant. 2,362,475; Nov. 14.
Folmer Graflex Corporation, The. (See Gorey, A. H., Nadel, and Hineline, assignors.)
Folmer Graflex Corporation, The. (See Sprague, J. A., and Chamberlin.)
Food Machinery Corporation. (See Porch, Howard L., assignor.)
Food Machinery Corporation. (See Stockdale, Harry C., assignor.)
Food Machinery Corporation. (See Thompson, A. R., and Bucher, assignors.)
Ford, Frank R., Sparkbrook, Birmingham, England. Duplicateng machine. 2,362,895; Nov. 14.
Fossum, Maurice H., St. Paul, Minn. Damper regulator set. 2,362,623; Nov. 14.
Fouchey, Charles J., Ecorse, Mich. Live center. 2,362,812; Nov. 14.
Francis, Lelia I., Dayton, Ohio. Electric waving iron. 2,362,748; Nov. 14.
Friel, Lester D. (See Sardeson, R., Friel, and Dye, H. M. and G. M.)
Frische, Carl A., Great Neck, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Balanced valve structure. 2,362,476; Nov. 14.
Froning, Joseph F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Azo dyestuff. 2,362,477; Nov. 14.
Fuerst, Carl C., assignor to Eastman Kodak Company, Rochester, N. Y. Camera shutter. 2,362,546; Nov. 14.
Fuerst, Carl C., assignor to Eastman Kodak Company, Rochester, N. Y. Diaphragm shutter. 2,362,547; Nov. 14.
Gaiser, Martin W., Kokomo, Ind., assignor to General Motors Corporation, Detroit, Mich. Condenser tester. 2,362,691; Nov. 14.
Galat, Alexander, assignor to The Denver Chemical Manufacturing Company, New York, N. Y. Reagent for testing for acetone. 2,362,478; Nov. 14.
Gall, Carl, and F. J. Prucha, Omaha, Nebr., assignors to American Smelting and Refining Company, New York, N. Y. Truck for handling pig metal. 2,362,749; Nov. 14.
Gamache, Homer, assignor of one-half to J. V. Finaldi, Newark, N. J. Vegetable peeler. 2,362,896; Nov. 14.
Gaynor, James W., Chicago, and C. M. Loane, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Lubricant. 2,362,624; Nov. 14.
Gehring, Fred W., Villa Park, Ill. Signal apparatus. 2,362,897; Nov. 14.
General Aniline & Film Corporation. (See Reppe, W., Hecht, and Oschatz, assignors.)
General Chemical Company. (See Tryon, S., and Benedict, assignors.)
General Electric Company. (See Bold, Ralph E., assignor.)
General Electric Company. (See Dome, Robert B., assignor.)
General Electric Company. (See Durgin, George E., assignor.)
General Electric Company. (See Harker, David, assignor.)
General Electric Company. (See Kline, Halsey W., assignor.)
General Electric Company. (See Kraft, Hans, assignor.)
General Electric Company. (See Stimson, Allen G., assignor.)
General Electric Company. (See Streid, Dale D., assignor.)
General Electric Company. (See Wardwell, George W., Jr., assignor.)
General Electric Company. (See Warner, Donald F., assignor.)
General Motors Corporation. (See Blanchard, W. J., and MacNeil, assignors.)
General Motors Corporation. (See Brackett, Tracy F., assignor.)
General Motors Corporation. (See Eshbaugh, Jesse E., assignor.)
General Motors Corporation. (See Fichter, L. J., and Schwarz, assignors.)
General Motors Corporation. (See Gaiser, Martin W., assignor.)
General Motors Corporation. (See Hull, Harry B., assignor.)
General Motors Corporation. (See Kirtland, H. C., and Hulsing, assignors.)
General Motors Corporation. (See Koehring, Roland P., assignor.)
General Motors Corporation. (See Simpson, Emory G., assignor.)
General Motors Corporation. (See Smith, Nelson J., assignor.)
General Radio Company. (See Scott, Hermon H., assignor.)
Gerhardt, Andrew H., Niles Center, assignor to Electric Household Utilities Corporation, Chicago, Ill. Ironing machine. 2,362,625; Nov. 14.
Gerstel, Fred V., et al. (See Kramer, Ferdinand, assignor.)
Gibbs, Carlin F., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Antioxidant for rubber. 2,362,479; Nov. 14.
Giffen, Harvey D., Pico, assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Tensiometer. 2,362,626; Nov. 14.
Gilbert & Barker Manufacturing Company. (See De Lancey, Warren H., assignor.)
Gillette Safety Razor Company. (See Muros, Joseph, assignor.)
Gillette Safety Razor Company. (See Shnitzler, Meyer J., assignor.)
Gilman, George W., Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signal transmission system. 2,362,898; Nov. 14.
Gleissner, Walter, Weissenfels-Saale, Germany; vested in the Alien Property Custodian. Shoe tacking machine. 2,362,480; Nov. 14.
Globe Company, The. (See Bilek, Frank J., assignor.)
Glycofrides, Eustace, Toledo, Ohio, assignor to Owens-Illinois Glass Company. Molding powders. 2,362,627; Nov. 14.
Glycofrides, Eustace, Toledo, Ohio, assignor to Owens-Illinois Glass Company. Producing molding powders. 2,362,628; Nov. 14.
Goates, John E., assignor to Pacific States Cast Iron Pipe Co., Provo, Utah. Positioning core bars in horizontal pipe casting apparatus. 2,362,899; Nov. 14.
Goldberg, Harold, F. H. Slaymaker, and J. R. Stewart, assignors to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Communication system. 2,362,692; Nov. 14.
Goodman Manufacturing Company. (See McCollough, William T., assignor.)
Goodrich, B. F., Company, The. (See Gibbs, Carlin F., assignor.)
Goodrich, B. F., Company, The. (See Lappert, Ronald, assignor.)
Goodrich, B. F., Company, The. (See Magurn, Charles H., assignor.)
Goodrich, B. F., Company, The. (See Stebbins, Charles S., assignor.)
Goosmann, William F. (See Clark, L. J., and Goosmann.)
Gorey, Archie H., L. D. Nadel, and E. S. Hineline, assignors to The Folmer Graflex Corporation, Rochester, N. Y. Photographic camera particularly adapted for aerial photography. 2,362,813; Nov. 14.

Gorey, Archie H., L. D. Nadel, and E. S. Hineline, assignors to The Folmer Graflex Corporation, Rochester, N. Y. Photographic exposure identification means particularly for aerial cameras. 2,362,814; Nov. 14.

Gorey, Archie H., L. D. Nadel, and E. S. Hineline, assignors to The Folmer Graflex Corporation, Rochester, N. Y. Shutter curtain mechanism, particularly for aerial cameras. 2,362,815; Nov. 14.

Gray Manufacturing Company, The. (See Clausen, Henry P., assignor.)

Griffis, Lawrence W., Buffalo, assignor to Van Raalte Company, Inc., New York, N. Y. Stop means for textile machines. 2,362,956; Nov. 14.

Griffith, William H., Columbus, Ohio, and C. J. Colby, Corpus Christi, Tex., assignors to International-Stacey Corporation, Columbus, Ohio. Aircraft compass-correcting apparatus. 2,362,629; Nov. 14.

Groombridge, Walter H., and J. Downing, Spondon, near Derby, England. Production of cellulose esters. 2,362,900; Nov. 14.

Gunst, Raymond. (See Gyr, J., and Gunst.)

Gyr, Joseph, and R. Gunst, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Trisazodyestuffs. 2,362,548; Nov. 14.

Haas, Clarence C., Richmond, Ind., assignor to International Harvester Company. Marker construction. 2,362,693; Nov. 14.

Hackett, George S., Canton, Ohio, assignor to H. H. Leiter. Warsaw, Ind. Surgical bone clamp. 2,362,957; Nov. 14.

Hale, Stuart G., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave transmission network. 2,362,549; Nov. 14.

Hall, Horace E. (See Boehm, R. M., and Hall.)

Hancock, William A. (See Houser, J. E., Hancock, and Rowe.)

Hansen, Carl B., San Francisco, Calif. Rotary engine. 2,362,550; Nov. 14.

Hansen, John N. (See Britton, E. C., and Hansen.)

Hansen, William O., and M. L. Bowen, assignors to Universal Button Fastening & Button Company, Detroit, Mich. Attachment of buttons and the like. 2,362,630; Nov. 14.

Harker, David, Alplaus, N. Y., assignor to General Electric Company. Electrical discharge device. 2,362,816; Nov. 14.

Harris, John L., Milwaukee, Wis., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Flow control valve. 2,362,631; Nov. 14.

Harris-Seybolt-Potter Company. (See Spiller, William R., assignor.)

Harris-Seybolt-Potter Company. (See Spiller, W. R., and Haunty, assignors.)

Harrison, Henry C., Port Washington, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Switching mechanism. 2,362,551; Nov. 14.

Hartmann, Henry, Chicago, Ill. Electrical extension. 2,362,481; Nov. 14.

Hartmann, Walter. (See Hofmann, A., and Hartmann.)

Harvel Research Corporation. (See Caplan, Solomon, assignor.)

Haunty, John F. (See Spiller, W. R., and Haunty.)

Haworth, Mack E., Pittsburgh, Pa. Apparatus for separating particulate materials. 2,362,482; Nov. 14.

Haycock, John, Larchmont, assignor to Continental Can Company, Inc., New York, N. Y. Making sheet metal containers. 2,362,817; Nov. 14.

Hayward, John T., Tulsa, Okla. Pumping apparatus. 2,362,750; Nov. 14.

Hecht, Otto. (See Reppe, W., Hecht, and Oschatz.)

Heil Co. The. (See Meyer, Arnold F., assignor.)

Hercules Powder Company. (See Bent, Leavitt N., assignor.)

Hercules Powder Company. (See Carson, William F., Jr., assignor.)

Hercules Powder Company. (See Cox, Richard F. B., assignor.)

Hercules Powder Company. (See Crater, Willard D., assignor.)

Hercules Powder Company. (See Medl, Robert C., Jr., assignor.)

Hercules Powder Company. (See Schlaanstine, Raymond F., assignor.)

Hertel, MacNeil E., Haley, Ontario, assignor to Dominion Magnesium Limited, Toronto, Ontario, Canada. Apparatus for the production of metallic magnesium. 2,362,440; Nov. 14.

Herzka, Benjamin W., New York, N. Y. Color filter for moving picture devices. 2,362,818; Nov. 14.

Hess, Walter R. (See Jensen, L. B., and Hess.)

Heymann, Seymour E., assignor to Stewart-Warner Corporation, Chicago, Ill. Scoop for aircraft. 2,362,552; Nov. 14.

Hickman, Albert F., assignor to Hickman Pneumatic Seat Co., Inc., Eden, N. Y. Torsion rod spring suspension. 2,362,483; Nov. 14.

Hickman, Clarence N., Jackson Heights, N. Y., assignor to the Government of the United States of America, as represented by the Secretary of War. Pressure gauge. 2,362,484; Nov. 14.

Hickman, Clarence N., Jackson Heights, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Selector switch. 2,362,632; Nov. 14.

Hickman Pneumatic Seat Co. (See Hickman, Albert F., assignor.)

Hildebrandt, Henry. (See Olsen, Carl H., assignor.)

Hilder, Stuart, Arlington, Va., assignor to Monroe Calculating Machine Company, Orange, N. J. Register. 2,362,633; Nov. 14.

Hill, Walter P., Detroit, assignor to Calumet and Hecla Consolidated Copper Company, Calumet, Mich. Manufacturing tubes for heat exchange devices. 2,362,694; Nov. 14.

Hinchey, Claude E., Weyauwega, Wis. Package wrapping machine. 2,362,819; Nov. 14.

Hineline, Edson S. (See Gorey, A. H., Nadel, and Hineline.)

Hipple, James L., assignor to International Harvester Company, Canton, Ill. Agricultural implement. 2,362,695; Nov. 14.

Hitt, Raymond C., Seattle, Wash. Natural colors floating signal. 2,362,553; Nov. 14.

Hively, Ossian, assignor to Morgan Engineering Company, Alliance, Ohio. Ingot stripper. 2,362,696; Nov. 14.

Hodgkins, Charles H., Fairfield, assignor to The Bryant Electric Company, Bridgeport, Conn. Thermal relay for starting fluorescent lamps. 2,362,820; Nov. 14.

Hodgson, William W., Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Key opening sheet metal container. 2,362,821; Nov. 14.

Hofmann, Alfred, Inc. (See Hofmann, A., and Hartmann, assignors.)

Hofmann, Alfred, Palisade, and W. Hartmann, Paterson, assignors to Alfred Hofmann, Inc., West New York, N. J. Fabric tensioning method and means. 2,362,485; Nov. 14.

Hohwart, George, Orchard Lake, assignor to N. A. Woodworth Company, Ferndale, Mich. Cylindrical plug gauge wear testing device. 2,362,554; Nov. 14.

Holbert, Sherman, Manchester, Iowa. Air-speed control and spin delay assembly for link trainers. 2,362,486; Nov. 14.

Hopkins, Joseph A., Rockford, Ill. Denture cleanser. 2,362,487; Nov. 14.

Houghton, William M., Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Spraying apparatus. 2,362,634; Nov. 14.

Houser, Jesse E., W. A. Hancock, and L. T. Rowe, assignors to The Dayton Liquid Meter Co., Dayton, Ohio. Fuel injection pump. 2,362,822; Nov. 14.

Howlett, Leslie J., Lindfield, New South Wales, Australia. Emulsion paint and producing the same. 2,362,635; Nov. 14.

Hubbard, David C., assignor to A. B. Chance Company, Centralia, Mo. Crossarm for electric lines. 2,362,555; Nov. 14.

Hubbard, David C., assignor to A. B. Chance Company, Centralia, Mo. Earth anchor. 2,362,556; Nov. 14.

Hubbell, George T., West Haven, assignor to American Crucible Company, Shelton, Conn. Base block for crucibles or the like. 2,362,823; Nov. 14.

Huck, Alfred J., assignor to Knapp-Monarch Company, St. Louis, Mo. Timer for toasters and the like. 2,362,751; Nov. 14.

Huck, Alfred J., assignor to Knapp-Monarch Company, St. Louis, Mo. Timer for toasters and the like. 2,362,752; Nov. 14.

Huck, Alfred J., assignor to Knapp-Monarch Company, St. Louis, Mo. Timer for toasters and the like. 2,362,753; Nov. 14.

Huddle, Edwin F., Elmwood Park, Ill., assignor to International Harvester Company. Grain binder. 2,362,697; Nov. 14.

Hueston, Melville G., Toronto, Ontario, Canada. Ankle support for boots. 2,362,824; Nov. 14.

Hull, Harry B., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,362,698; Nov. 14.

Hulsing, Kenneth L. (See Kirtland, H. C., and Hulsing.)

Hunt, William, et al. (See Medeiros, F. P., assignor.)

Hutchins, Otis, assignor to The Carborundum Company, Niagara Falls, N. Y. Refractory material and making. 2,362,825; Nov. 14.

Huttkay, Arthur L., Newark, N. J. Producing dropout halftone negatives. 2,362,826; Nov. 14.

Hydraulic Control Engineering Company. (See Stephens, William T., assignor.)

Industrial Patents Corporation. (See Jensen, L. B., and Hess, assignors.)

Ingersoll-Rand Company. (See Allen, Roy O., assignor.)

Interior, Government of the United States, as represented by the Secretary of. (See Quenon, Eugene E., assignor.)

International Cigar Machinery Company. (See Durning, James P., assignor.)

International Harvester Company. (See Acton, Russel D., assignor.)

International Harvester Company. (See Bechman, William O., assignor.)

International Harvester Company. (See Bennett, Dale L., assignor.)

International Harvester Company. (See Cosper, Dale L assignor.)

International Harvester Company. (See Haas, Clarence C., assignor.)

International Harvester Company. (See Hipple, James L., assignor.)

International Harvester Company. (See Huddle, Edwin F., assignor.)

International Harvester Company. (See Morkoski, James, assignor.)

International Harvester Company. (See Mott, Carl W., assignor.)

International Harvester Company. (See Radtke, Adelbert C., assignor.)

International Harvester Company. (See Smith, Hiram P., assignor.)

International-Stacey Corporation. (See Griffith, W. H., and Colby, assignors.)

International Standard Electric Corporation. (See Lee, Edwin C., assignor.)

International Standard Electric Corporation. (See Litton, Charles V., assignor.)

Iowa State College Research Foundation. (See Yoder, Lester, assignor.)

Jahn, Leroy B., Montevideo, Minn. Parachute. 2,362,488; Nov. 14.

Jahns, Alfred H., Seattle, Wash. Pipe connection. 2,362,557; Nov. 14.

Jamie, Robert C. Scott, Pathlow, near Stratford-on-Avon, England. Clip for hoses and the like. 2,362,901; Nov. 14.

Jansen, Astrid J., Merrick, N. Y. Lock joint. 2,362,902; Nov. 14.

Janzich, Eduardo, Montevideo, Uruguay. Fuel economizer. 2,362,558; Nov. 14.

Jauch, Robert J., and F. W. Sturm, assignors to The Wayne Pump Company, Fort Wayne, Ind. Airport fueling mechanism. 2,362,559; Nov. 14.

Jeffrey Manufacturing Company, The. (See Lemmon, A. W., and Landahl, assignors.)

Jeffrey Manufacturing Company, The. (See Levin, Nils D., assignor.)

Jeffrey Manufacturing Company, The. (See Medley, Harold C., assignor.)

Jensen, Lloyd B., and W. R. Hess, assignors to Industrial Patents Corporation, Chicago, Ill. Canning meat products. 2,362,441; Nov. 14.

Jewett, Clifford L., Minneapolis, assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Granular material and making the same. 2,362,489; Nov. 14.

Joachim, Hans S., London, England. Automatic control for torpedoes. 2,362,827; Nov. 14.

Johnson, Manfred J., New Haven, Conn., assignor to The United States Time Corporation. Device for projecting moving time-indications. 2,362,754; Nov. 14.

Joy, Joseph F., assignor to Sullivan Machinery Company, Washington, D. C. Material transport truck. 2,362,636; Nov. 14.

Joyce, Carroll G., assignor to Laggett and Platt, Incorporated, Carthage, Mo. Spring construction. 2,362,560; Nov. 14.

Kading, Emil G. P., and D. H. Vye, Toronto, Ontario, Canada. Cable holder. 2,362,828; Nov. 14.

Kassay, Andrew W. (See Balz, E. H., Kassay, and Williams.)

Katzin, Martin, Riverhead, N. Y., assignor to Radio Corporation of America. Horn radiator. 2,362,561; Nov. 14.

Katzman, Morris. (See Epstein, A. K., and Katzman.)

Keehn, Warner L., Spokane, Wash. Welder's helmet. 2,362,637; Nov. 14.

Keil, Havard L. (See Conquest, V., and Keil.)

Keim, Melville, Chicago, Ill. Evaporator. 2,362,903; Nov. 14.

Kelly, Frederick G., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Meter system. 2,362,562; Nov. 14.

Kilborn, Karl B., assignor to Wingfoot Corporation, Akron, Ohio. Removable tread block. 2,362,638; Nov. 14.

Kilian, Jerome J., Osseo, Minn. Knife sharpener. 2,362,699; Nov. 14.

Kinley, Myron M., Houston, Tex. Explosive screen cleaner. 2,362,829; Nov. 14.

Kirtland, Hugh C., Detroit, and Kenneth L. Hulsing, Plymouth, assignors to General Motors Corporation, Detroit, Mich. Sleeve valve engine. 2,362,700; Nov. 14.

Kline, Halsey W., Schenectady, N. Y., assignor to General Electric Company. Modulation measuring apparatus. 2,362,830; Nov. 14.

Knapp-Monarch Company. (See Huck, Alfred J., assignor.)

Knapp-Monarch Company. (See Ward, Lawrence T., assignor.)

Knight, Ralph F., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Shoe. 2,362,639; Nov. 14.

Koehring, Roland P., Dayton, Ohio, assignor to General Motors Corporations, Detroit, Mich. Apparatus for making porous metal parts. 2,362,701; Nov. 14.

Kraft, Hans, Schenectady, N. Y., assignor to General Electric Company. Elastic fluid turbine. 2,362,831; Nov. 14.

Kramer, Ferdinand, Port Chester, assignor to Allied Purchasing Corporation, F. V. Gerstel, New York, F. Kramer, Port Chester, and P. M. Mazur, New York, N. Y. Joint for demountable furniture. 2,362,904; Nov. 14.

Krieger, Samuel I., New York, N. Y. Calculating machine. 2,362,702; Nov. 14.

Krueger, Theodore H., assignor to Better Packages Incorporated, Stratford, Conn. Strip serving machine. 2,362,640; Nov. 14.

Krueger, Theodore H., Stratford, Conn., assignor to Better Packages Incorporated. Strip serving machine. 2,362,641; Nov. 14.

Krueger, Theodore H., Stratford, Conn., assignor to Better Packages Incorporated. Gummed paper moistener. 2,362,755; Nov. 14.

Kuhlman, Orville E., Kansas City, Mo., assignor to W. A. Sheaffer Pen Company, Fort Madison, Iowa. Pour-out closure. 2,362,905; Nov. 14.

Kuss, Harold E., Lock-Haven, Pa. Garment hanger. 2,362,756; Nov. 14.

Kuttner, Julius, Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Pump impeller. 2,362,703; Nov. 14.

Ladd, Elbert C., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Parasiticidal preparations. 2,362,563; Nov. 14.

Ladd, Elbert C., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Parasiticidal preparations. 2,362,564; Nov. 14.

Ladd, Elbert C., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Parasiticidal preparations. 2,362,565; Nov. 14.

Lamb, Thomas, New York, N. Y. Armrest for crutches. 2,362,642; Nov. 14.

Lambertsen, Christian J., Philadelphia, Pa. Breathing apparatus for use under water. 2,362,643; Nov. 14.

Land, Edwin H., Cambridge, Mass., assignor to Polaroid Corporation, Dover, Del. Remote-control apparatus employing polarized electromagnetic radiation. 2,362,832; Nov. 14.

Landahl, Eugene E. (See Lemmon, A. W., and Landahl.)

Landwehr, Frank G., Detroit, Mich. Chimney construction. 2,362,833; Nov. 14.

Lane-Wells Company. (See Morgan, Charles K., assignor.)

Lang, Anthony L., Seattle, Wash. Grease disposal means for cooking surfaces. 2,362,757; Nov. 14.

Lanova Corporation. (See Fischer, Hans, assignor.)

Lappert, Ronald, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Bearing. 2,362,566; Nov. 14.

Larson, Ralph A., Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Spray gun. 2,362,834; Nov. 14.

La Rue, John C., Bainbridge, Ohio. Knockdown picnic table. 2,362,567; Nov. 14.

Lauer, Elma M., New York, N. Y. Dispenser. 2,362,835; Nov. 14.

Ledbetter, John L., Jr., et al. (See Christensen, Leo M., assignor.)

Lee, Edwin C., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Barrier joint or termination for electric power cables. 2,362,963; Nov. 14.

Leeds and Northrup Company. (See Peters, J. C., and Stein, assignors.)

Leggett and Platt, Incorporated. (See Joyce, Carroll G., assignor.)

Leiter, Harry H. (See Hackett, George S., assignor.)

Lemmon, Alexis W., Columbus, Ohio, and E. E. Landahl, Detroit, Mich., assignors to The Jeffrey Manufacturing Company. Self-lubricating belt idler. 2,362,644; Nov. 14.

Leo, Herbert T., and C. C. Taylor, assignors to Mutual Citrus Products Company, Anaheim, Calif. Recovering citrus acid values from citrus products. 2,362,906; Nov. 14.

Leonard, Ward, Electric Company. (See Logan, Frank G., assignor.)

Letourneau, R. G., Inc. (See Letourneau, Robert G., assignor.)

Letourneau, Robert G., Peoria, Ill., assignor to R. G. Letourneau, Inc., Stockton, Calif. Reversible power control unit. 2,362,568; Nov. 14.

Leveque, Bernard T., Wenham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for sewing shoes. 2,362,645; Nov. 14.

Leveque, Bernard T., Wenham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Sewing machine. 2,362,646; Nov. 14.

Levin, Julius E., Chicago, Ill. Measuring pipe or the like. 2,362,907; Nov. 14.

Levin, Nils D., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Clutch device. 2,362,647; Nov. 14.

Lewis, William H., Los Angeles, Calif. Cement troweling machine. 2,362,490; Nov. 14.

Libbey-Owens-Ford Glass Company. (See Balz, E. H., Kassay, and Williams, assignors.)

Lichty, Joy G., Stow, and N. V. Seeger, Cuyahoga Falls, assignors to Wingfoot Corporation, Akron, Ohio. Preparing chemical compounds. 2,362,648; Nov. 14.

Liebmann, Gerhard, assignor to Cathodeon Limited, Cambridge, England. Cathode ray tube. 2,362,908; Nov. 14.

Lincoln Electric Company, The. (See Smith, Emmett A., assignor.)

Lind, Alvin C., and A. Carlin, assignors to National Automatic Fibres, Inc., Detroit, Mich. Applying molding strips to trim panels. 2,362,909; Nov. 14.

Linda, Frank R. (See Belcher, D., and Linda.)

Linde Air Products Company, The. (See Bucknam, James H., assignor.)

Linde Air Products Company, The. (See Lobosco, Roscoe R., assignor.)

Linden, John F., Belmont, Ontario, Canada. Filo. 2,362,491; Nov. 14.

Litiman, Zeno, New York, N. Y. Power transmitting means. 2,362,910; Nov. 14.

Litton, Charles V., Redwood City, Calif., assignor to International Standard Electric Corporation, New York, N. Y. Liquid cooling of high temperature bodies. 2,362,911; Nov. 14.

Livermon, Carl R., Roxobel, N. C. Feeder. 2,362,492; Nov. 14.

Loane, Clarence M. (See Gaynor, J. W., and Loane.)

Lobosco, Roscoe R., Elizabeth, N. J., assignor to The Linde Air Products Company. Automatic electric control system. 2,362,569; Nov. 14.

Lockheed Aircraft Corporation. (See Corte, Alfred, assignor.)

Lockwood, Lee, Des Moines, Iowa. Furnace. 2,362,649; Nov. 14.

Logan, Frank G., Mount Vernon, N. Y., assignor to Ward Leonard Electric Company. Gun controlling apparatus and the like. 2,362,650; Nov. 14.

Logan, John W., Jr., Forest Hills, assignor to The Union Switch & Signal Company, Swissvale, Pa. Protective apparatus for highway crossings. 2,362,912; Nov. 14.

Lowther, Wilfred W., assignor, by mesne assignments, to H. J. Doherty, Minneapolis, Minn. Apparatus for silencing and supercharging engine intakes. 2,362,493; Nov. 14.

Luck, David G. C., assignor to Radio Corporation of America, Merchantville, N. J. Radio range. 2,362,651; Nov. 14.

Lundborg, Carl J., Great Falls, Mont. Electric control. 2,362,652; Nov. 14.

Maatman, Egbert J., and C. J. W. Clasen, assignors to American Steel Foundries, Chicago, Ill. Car truck. 2,362,654; Nov. 14.

Macartney, John H., and R. S. Stark, assignors of twenty per cent to I. Ruderman, San Francisco, Calif. Prime mover device. 2,362,705; Nov. 14.

Macartney, John H., San Francisco, Calif. Concentrating apparatus. 2,362,706; Nov. 14.

MacGregor, James H., Bocking, Braintree, assignor to Courtaulds Limited, London, England. Improving the fastness to washing of dyed cellulosic textile materials. 2,362,915; Nov. 14.

Mack Manufacturing Corporation. (See Robbins, Azor D., assignor.)

MacNeil, Charles S. J. (See Blanchard, W. J., and MacNeil.)

MacNeille, Stephen M., assignor to Eastman Kodak Company, Rochester, N. Y. Projection screen. 2,362,573; Nov. 14.

Magnus, Carl E. (See Pearson, P. E., and Magnus.)

Magurn, Charles H., Arlington, Mass., assignor to The B. F. Goodrich Company, New York, N. Y. Coating shoe surfaces. 2,362,574; Nov. 14.

Malcom, Robert, Chicago, Ill., assignor to Chicago Eye Shield Company. Underwater goggle. 2,362,917; Nov. 14.

Mallory, Marion, Detroit, Mich. Governor system for automotive vehicles. 2,362,655; Nov. 14.

Mallory, Marion, Detroit, Mich. Internal-combustion engine. 2,362,838; Nov. 14.

Malm, Carl J., assignor to Eastman Kodak Company, Rochester, N. Y. Preparing organic acid esters of cellulose. 2,362,575; Nov. 14.

Malm, Carl J., assignor to Eastman Kodak Company, Rochester, N. Y. Preparing organic acid esters of celluiose. 2,362,576; Nov. 14.

Malmquist, Oscar V., Minneapolis, Minn. Quick-acting clamp. 2,362,707; Nov. 14.

Maloney, Gerard J. (See Rush, W. W., and Maloney.)

Manning, Bowman & Co. (See Elsenheimer, Charles W., assignor.)

Marc, Henri M., Cincinnati, Ohio, assignor to The Phillip Carey Manufacturing Company. Sound deadening bituminous cement. 2,362,839; Nov. 14.

Markstrum, John A., assignor to Ex-Cell-O Corporation, Detroit, Mich. Cutter. 2,362,708; Nov. 14.

Markwart, Earl H. (See Stanley, Paul H., assignor.)

Marrow, Kirkpatrick, and H. E. Dostalik. Recording apparatus. 2,362,758; Nov. 14.

Martin, Stoddard B., Cleveland, Ohio. Pusher. 2,362,494; Nov. 14.

Masonite Corporation. (See Boehm, R. M., and Hall, assignrs.)

Matthes, Samuel S., assignor to The Ohio Brass Company, Mansfield, Ohio. Section insulator. 2,362,759; Nov. 14.

Matthies, William H. (See Davis, R. C., and Matthies.)

Maxwell, Kenneth E., Martinez, assignor to Shell Development Company, San Francisco, Calif. Insecticidal compositions. 2,362,760; Nov. 14.

May Oil Burner Corporation. (See Salabes, Sody, assignor.)

Mayberry, Gilbert L., Newark, N. J. Jack. 2,362,495; Nov. 14.

Mazur, Paul M., et al. (See Kramer, Ferdinand, assignor.)

McCleery, Harold L., Downers Grove, Ill. Operating device for impulse-controlled instruments. 2,362,570; Nov. 14.

McCollum, Henry J. D., Chicago, Ill. Heater. 2,362,571; Nov. 14.

McCullough, Paul J., assignor to J. Pavelka, St. Louis, Mo. Clock balance wheel. 2,362,836; Nov. 17.

McCullough, William T., assignor to Goodman Manufacturing Company, Chicago, Ill. Slack or cuttings removing device for kerf-cutting machines. 2,362,837; Nov. 14.

McGivern, Charles S., Margate City, N. J. Nasal applicator. 2,362,704; Nov. 14.

McGovern, Bernard F., assignor to Wingfoot Corporation, Akron, Ohio. Method and apparatus for treating rubber articles prior to vulcanization. 2,362,653; Nov. 14.

McKays Company, The. (See Albertson, Lawrence E., assignor.)

McKays Company, The. (See Albertson, L. E., and Mueller, assignors.)

McKewen, George E., Sr. (See Carner, George M., assignor.)

McLain, William R., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Electrical process of producing villous or pubescent synthetic yarn. 2,362,572; Nov. 14.

McLeod, Albert K., assignor to Aviation Patents, Inc., Los Angeles, Calif. Adjustable pitch propeller. 2,362,913; Nov. 14.

McLeod, Albert K., assignor to Aviation Patents, Inc., Los Angeles, Calif. Adjustable pitch propeller mechanism for airplanes. 2,362,914; Nov. 14.

McLeod, Earle D. (See Morgan W. L., and McLeod.)

Medeiros, Frank P., Fall River, assignor of one-third to A. S. Aguiar, Swansea, and one-third to W. Hunt, Fall River, Mass. Picker stick check. 2,362,916; Nov. 14.

Medl, Robert C., Jr., Marshallton, assignor to Hercules Powder Company, Wilmington, Del. Water-soluble cellulose ether composition. 2,362,761; Nov. 14.

Medley, Harold C., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Chain pin injector and ejector tool. 2,362,656; Nov. 14.

Mehan, Thomas O., Park Ridge, assignor to Victor Adding Machine Co., Chicago, Ill. Calculating machine. 2,362,709; Nov. 14.

Merck & Co. (See Stevens, J. R., and Beutel, assignors.)

Mero, Ralph M., Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Container sealing machine. 2,362,840; Nov. 14.

Mess, George J., Indianapolis, Ind. Double post card and return envelope. 2,362,496; Nov. 14.

Metals & Controls Corporation. (See Durst, George, assignor.)

Meyer, Arnold F., Pewaukee, assignor to The Heil Co., Milwaukee, Wis. Curved and tapered tank manufacture. 2,362,657; Nov. 14.

Meyer, Arnold F., Pewaukee, assignor to The Heil Co., Milwaukee, Wis. Tapered tank construction. 2,362,658; Nov. 14.

Mihalyi, Joseph, and J. W. Scott, assignors to Eastman Kodak Company, Rochester, N. Y. Film cartridge and spool therefor. 2,362,577; Nov. 14.

Miller, Arthur, Leavenworth County, Kans. Automatic safety control. 2,362,918; Nov. 14.

Miller, Edward W., assignor to The Fellows Gear Shaper Company, Springfield, Vt. Gear finishing machine. 2,362,762; Nov. 14.

Miller, Edward W., assignor to The Fellows Gear Shaper Company, Springfield, Vt. Gear finishing and crowning machine. 2,362,763; Nov. 14.

Miller, Edward W., assignor to The Fellows Gear Shaper Company, Springfield, Vt. Cam operated crowning attachment for gear finishing machines. 2,362,764; Nov. 14.

Miller, Norton W., assignor to Wingfoot Corporation, Akron, Ohio. Method and apparatus for curing V-belts and the like. 2,362,659; Nov. 14.

Miller, Robert W., Farmingdale, N. Y., assignor to Republic Aviation Corporation. Aircraft structure. 2,362,919; Nov. 14.

Millie Patent Holding Co. (See Barnett, Louis, assignor.)

Mills, William L., Waco, Tex. Safety razor. 2,362,765; Nov. 14.

Minaker, Herbert L., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Filled container steaming apparatus and method. 2,362,841; Nov. 14.

Mining Engineering Company Limited, The. (See Nyborg, Tage G., assignor.)

Minneapolis-Honeywell Regulator Company. (See Harris, John L., assignor.)

Minnesota Mining & Manufacturing Company. (See Jewett, Clifford L., assignor.)

Miskelly, Samuel, Downers Grove, assignor to Western Railroad Supply Company, Chicago, Ill. Grade crossing gate. 2,362,710; Nov. 14.

Molins Machine Company Limited. (See Pembroke, George F., assignor.)

Monowatt Electric Corporation. (See Benander, George B., assignor.)

Monroe Calculating Machine Company. (See Hilder, Stuart, assignor.)

Monsanto Chemical Company. (See Thomas, Charles A., assignor.)

Monsanto Chemical Company. (See Welch, William E., assignor.)

Montgomery, F. Dorsey. (See Spalding, Kenneth F., assignor.)

Moore, Harry W., Dayton, Ohio. Unreeling device. 2,362,920; Nov. 14.

Moore, Samuel A., Los Angeles, Calif. Wood-turning tool. 2,362,711; Nov. 14.

Moore, William D., Portsmouth, Ohio. Metal arch support. 2,362,497; Nov. 14.

Morgan, Charles K., assignor to Lane-Wells Company, Los Angeles, Calif. Liner hanger. 2,362,766; Nov. 14.

Morgan Engineering Company. (See Hively, Ossian, assignor.)

Morgan, John D., South Orange, N. J., assignor to Cities Service Oil Company, New York, N. Y. Lubricants. 2,362,767; Nov. 14.

Morgan, Willard L., Columbus, Ohio, and E. D. McLeod, Rumford, R. I., assignors to Arnold, Hoffman & Co., Incorporated. Moth repelling product. 2,362,768; Nov. 14.

Morkoski, James, Canton, Ill., assignor to International Harvester Company. Cushion spring hitch for plows. 2,362,712; Nov. 14.

Mossman, Donald P., Sr. (See Shepard, Carl F., assignor.)

Mott, Carl W., assignor to International Harvester Company, La Grange, Ill. Power lifting arrangement. 2,362,578; Nov. 14.

Mott, Carl W., La Grange, Ill., assignor to International Harvester Company. Pressure regulating apparatus for constant delivery pumps. 2,362,713; Nov. 14.

Moyer, James H., and D. E. Evans, assignors to The Columbus Dental Manufacturing Co., Columbus, Ohio. Apparatus for carding artificial teeth. 2,362,660; Nov. 14.

Mueller, Henry M. (See Albertson, L. E., and Mueller.)

Mueller, Robert K., Erie, Pa., assignor to United Aircraft Corporation, East Hartford, Conn. Propeller balancing mechanism. 2,362,842; Nov. 14.

Muros, Joseph, Cambridge, assignor to Gillette Safety Razor Company, Boston, Mass. Safety razor blade. 2,362,498; Nov. 14.

Murray, Irvin L., and R. G. Edmonds, Charleston, W. Va., assignors to Carbide and Carbon Chemicals Corporation. Recovering organic compounds. 2,362,579; Nov. 14.

Mutual Citrus Products Company. (See Leo, H. T., and Taylor, assignors.)

Myers, Stowe. (See Teague, W. D. and W. D., Jr., Myers, and Andrews.)

Nadeau, Gale F., and C. B. Starek, assignors to Eastman Kodak Company, Rochester, N. Y. Laminar structure and its preparation. 2,362,580; Nov. 14.

Nadel, Louis D. (See Gorey, A. H., Nadel, and Hineline.)

Nash Engineering Company. (See Adams, Harold E., assignor.)

National Automatic Fibres, Inc. (See Lind, A. C., and Carlin, assignors.)

National Oil Products Company. (See Ward, Robert W., assignor.)

National Urn Bag Co. (See Barnett, Louis, assignor.)

Neiman, Robert. (See Steinbock, E. D., and Neiman.)

Nettel, Friedrich, Manhasset, N. Y. Starting combustion turbines. 2,362,714; Nov. 14.

Newcomb, Leroy, San Gabriel, assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif. Brake cooling system. 2,362,581; Nov. 14.

Niles-Bement-Pond Company. (See Drake, Alden M., assignor.)

Northup, Harry L., assignor to Chicago Rawhide Manufacturing Company, Chicago, Ill. Oil seal. 2,362,843; Nov. 14.

Nyborg, Tage G., assignor to The Mining Engineering Company Limited, Worcester, England. Mechanical loading and conveying of loose material. 2,362,844; Nov. 14.

O'Brien, Frank J., Pelham, assignor to Continental Can Company, Inc., New York, N. Y. Container structure. 2,362,845; Nov. 14.

O'Brien, Frank J., Pelham, assignor to Continental Can Company, Inc., New York, N. Y. Sheet metal container. 2,362,846; Nov. 14.

Ohio Brass Company, The. (See Matthes, Samuel S., assignor.)

Ohio State University Research Foundation, The. (See Renshaw, Samuel, assignor.)

Olsen, Carl H., assignor to H. Hildebrandt, Chicago, Ill. Registering means for duplicators and the like. 2,362,715; Nov. 14.

O'Neil, James H., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Baffle wall structure for sheet drying or baking ovens. 2,362,847; Nov. 14.

Oschatz, Fritz. (See Reppe, W., Hecht, and Oschatz.)

Owens-Illinois Glass Company. (See Glycofrides, Eustace, assignor.)

Pacific States Cast Iron Pipe Co. (See Goates, John E., assignor.)

Pako Corporation. (See Sardeson, R., Friel, and Dye, H. M. and G. M., assignors.)

Palensky, Agnes, Vermillion, S. Dak. Cooking appliance. 2,362,921; Nov. 14.

Palm, George H., assignor to Stewart-Warner Corporation, Chicago, Ill. Rotary pump. 2,362,922; Nov. 14.

Pardoe, Norman H., Lusby, Md. Ratchet hinge for vehicle doors. 2,362,923; Nov. 14.

Parratt, Lyman G., Washington, D. C., and J. W. Trischka, assignors to Cornell Research Foundation, Inc., Ithaca, N. Y. Electronic voltage stabilizer. 2,362,769; Nov. 14

Pavelka, Joseph. (See McCullough, Paul J., assignor.)

Pearson, Paul E., Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Can closing machine. 2,362,848; Nov. 14.

Pearson, Paul E., and C. E. Magnus, Chicago, Ill., assignors to Continental Can Company, Inc., New York, N. Y. Crown cap conveyer. 2,362,849; Nov. 14.

Pearson, Willie T., Vicksburg, Miss. Stylus holder. 2,362,582; Nov. 14.

Pembroke, George F., assignor to Molins Machine Company Limited, Deptford, London, England. Apparatus for testing or measuring sizes or dimensions. 2,362,924; Nov. 14.

Pennsylvania Bituminous Coal Research, Inc. (See Wright, Calvert C., assignor.)

Perry, Winthrop L. (See Abbott, E. J., and Perry.)

Peters, Jacob C., Jenkintown, and I. M. Stein, assignors to Leeds and Northrup Company, Philadelphia, Pa. Telemetric system. 2,362,661; Nov. 14.

Peterson, Angela M., Parkersburg, W. Va., and J. Schaeffers, Lakewood, Ohio. Doll. 2,362,662; Nov. 14.

Peterson, Carl D., and E. J. Barth, Toledo, Ohio. Gear shifting mechanism. 2,362,925; Nov. 14.

Peterson, Gordon T. (See Boyd, J. M., Clifcorn, and Peterson.)

Peterson, Willard D. (See Vittum, P. W., Peterson, and Porter.)

Phillips, Frederick W., Toronto, Ontario, Canada, assignor to Western Precipitation Corporation, Los Angeles, Calif. Discharge electrode structure for electrical precipitation apparatus. 2,362,716; Nov. 14.

Phillips Petroleum Company. (See Doan, Richard L., assignor.)

Phillips Petroleum Company. (See Schulze, Walter A., assignor.)

Phillips Petroleum Company. (See Shea, Thomas V., assignor.)

Pidgeon, Lloyd M., Rockcliffe Park, Ontario, assignor, by mesne assignments, to Dominion Magnesium Limited, Toronto, Ontario, Canada. Apparatus for the recovery of volatilizable metals. 2,362,717; Nov. 14.

Pidgeon, Lloyd M., Rockcliffe Park, Ontario, assignor, by mesne assignments, to Dominion Magnesium Limited, Toronto, Ontario, Canada. Apparatus for recovering voltalilizable metals. 2,362,718; Nov. 14.

Pierson, Charles F. (See Schwan, J. F., and Pierson.)

Piperoux, Rene P., Radburn, N. J., assignor to Celanese Corporation of America. Injection molding apparatus. 2,362,583; Nov. 14.

Platz, Elwood T., assignor to Bulldog Electric Products Company, Detroit, Mich. Multipolar circuit breaker. 2,362,850; Nov. 14.

Polaroid Corporation. (See Land, Edwin H., assignor.)

Porch, Howard L., Riverside, assignor to Food Machinery Corporation, San Jose, Calif. Coating spray control. 2,362,926; Nov. 14.

Porter, Carl W., Alexandria, Va. Impact wrench. 2,362,499; Nov. 14.

Porter, Henry D. (See Vittum, P. W., Peterson, and Porter.)

Poster, Fannie. (See Dresner, Emanuel, assignor.)

Pratt, Carl D., Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del. Propellent fuel assembly. 2,362,927; Nov. 14.

Pratt, Harold C. (See Spangler, L. K., and Pratt.)

Priessman, Neil Y., Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Annunciator system. 2,362,928; Nov. 14.

Prucha, Frank J. (See Gall, C., and Prucha.)

Przybysz, Joseph F. C., South Bend, Ind. Safety razor. 2,362,851; Nov. 14.

Quenon, Eugene E., Pittsburgh, Pa., assignor to the Government of the United States, as represented by the Secretary of Interior. Apparatus for testing flame safety lamps. 2,362,500; Nov. 14.

Radio Corporation of America. (See Katzin, Martin, assignor.)

Radio Corporation of America. (See Luck, David G. C., assignor.)

Radio Corporation of America. (See Weagle, Lawrence T., assignor.)

Radtke, Adelbert C., Oak Park, Ill., assignor to International Harvester Company. Automotive accessory support. 2,362,719; Nov. 14.

Raybestos-Manhattan, Inc. See Chappel, Loring H., assignor.)

Raytheon Manufacturing Company. (See Stutsman, Paul W., assignor.)

Red & White Laundry & Cleaning Company. See Sullivan, Timothy J., assignor.)

Redin, Roy W., and S. M. Behar, assignors to The Superior Type Company, Chicago, Ill. Marker for cylindrical objects. 2,362,663; Nov. 14.

Reed, George E., Omaha, Nebr., assignor to C. C. Bradt, Kansas City, Mo. Close-fit connector. 2,362,664; Nov. 14.

Reichart, James H., Muncie, Ind. Detachable handle for open vessels. 2,362,720; Nov. 14.

Reid, Howard W., Alexandria, Va. Wheel tire or rim. 2,362,584; Nov. 14.

Reilly, William P. (See Tingley, C. W., and Reilly.)

Remington, Leland F., assignor to Curtis & Marble Machine Company, Worcester, Mass. Cutting mechanism for woolen shears. 2,362,770; Nov. 14.

Remington, Leland F., and C. H. Coolidge, assignors to Curtis & Marble Machine Company, Worcester, Mass. Doubling machine. 2,362,771; Nov. 14.

Rennerfelt, Ivar, Djursholm, Sweden. Powder metallurgical methods. 2,362,772; Nov. 14.

Renshaw, Samuel, assignor to The Ohio State University Research Foundation, Columbus, Ohio. Stereo-disparator. 2,362,857; Nov. 14.

Reppe, Walter, and O. Hecht, Ludwigshafen-on-the-Rhine, and F. Oschatz, Mannheim, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Solvents for organic film-forming materials. 2,362,858; Nov. 14.

Republic Aviation Corporation. (See Miller, Robert W., assignor.)

Reynolds, Ellwood W., Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Unwinding control device. 2,362,665; Nov. 14.

Reynolds, Henry V., Lafayette, Ind. Convertible and collapsible litter. 2,362,721; Nov. 14.

Richards, J. Taliesin, Wilkes-Barre, Pa. Pressure handle for pneumatic and electric portable drills. 2,362,929; Nov. 14.

Robbins, Azor D., Glen Cove, assignor to Mack Manufacturing Corporation, Long Island City, N. Y. Power assisted steering gear. 2,362,930; Nov. 14.

Robichaux, Sosthene. (See Barrett, G. J., and Robichaux.)

Robinson, Cecil S., assignor of one-half to D. H. Robinson, Ithaca, N. Y. Aerial camera mount. 2,362,773; Nov. 14.

Robinson, Dorothy H. (See Robinson, Cecil S., assignor.)

Robinson, Frank L., et al. (See Christensen, Leo M., assignor.)

Robinson, Harold, Detroit, Mich. Chair construction. 2,362,585; Nov. 14.

Robishaw, Rose, executrix. (See Barrett, G. J., and Robichaux.)

Rodway, John, Lincoln, England. Controlling brakes on trailer vehicles. 2,362,931; Nov. 14.

Romanoff, Alexis L., assignor to Cornell Research Foundation, Inc., Ithaca, N. Y. Egg sorting method and mechanism. 2,362,774; Nov. 14.

Rosenberg, Hans R., Wilmington, Del., and H. F. Carroll, Camden, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Stable sterol derivatives. 2,362,932; Nov. 14.

Rosenblatt, Maurice C., Philadelphia, Pa. Acoustical building element. 2,362,859; Nov. 14.

Rossman, Allen M., Wilmette, Ill. Earth boring rock bit. 2,362,860; Nov. 14.

Rowe, Lewis T. (See Houser, J. E., Hancock, and Rowe.)

Ruderman, I. (See Macartney, J. H., and Stark, assignors.)

Rush, William W., and G. J. Maloney, Inkster, Mich. Butter cutter. 2,362,722; Nov. 14.

Russell, Harlow M. (See Sidebotham, Melvin H., assignor.)

Russell, Stanley D., assignor to J. I. Case Company, Racine, Wis. Baler. 2,362,861; Nov. 14.

Ruth, Arthur P., Houston, Tex. Automatic air volume control. 2,362,586; Nov. 14.

Sageb, Societe Anonyme de Gestion et d'exploitation de brevets. (See Brandt, Edgar W., assignor.)

Salabes, Sody, Baltimore, Md., assignor to May Oil Burner Corporation. Chuck. 2,362,501; Nov. 14.

Sandretto, Peter C., Oak Park, Ill., assignor to United Air Lines, Inc. Radio receiver system. 2,362,958; Nov. 14.

Sanford, Roy S., Woodbury, Conn., assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio. Brake mechanism. 2,362,723; Nov. 14.

Sardeson, Robert, L. D. Friel, H. M. and G. M. Dye, assignors to Pako Corporation, Minneapolis, Minn. Print developing machine. 2,362,587; Nov. 14.

Sarver, Emmett F., assignor of one-half to O. W. Wortman, Wichita, Kans. Air powered hair cutter 2,362,666; Nov. 14.

Sauer, John C. (See Coffman, D. R., and Sauer.)

Schaefer, Harold W., assignor to The Harry Alter Co., Chicago, Ill. Air conditioning apparatus. 2,362,933; Nov. 14.

Schaeffers, Joseph. (See Peterson, A. M., and Schaeffers.)

Scharf, Michael M. (See Cohn, Martin M., assignor.)

Schlaanstine, Raymond F., Kennett Square, Pa., assignor to Hercules Powder Company, Wilmington, Del. Mastic floor tile compositions. 2,362,934; Nov. 14.

Schladt, George J., Dover, N. J., assignor to Government of the United States of America, as represented by the Secretary of War and his successors in office. Pyrotechnic compositions. 2,362,502; Nov. 14.

Schlobohm, Ludwig, and A. J. Farrar, assignors to The Van Dorn Iron Works Company, Cleveland, Ohio. Neck seal for artificial respirators. 2,362,935; Nov. 14.

Schmidt, Henry F., Lansdowne, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Thrust bearing. 2,362,667; Nov. 14.

Schulte, Frank W. (See Stearn, W. T., and Schulte.)

Schultz, George W., Spokane, Wash. Dump truck body support. 2,362,668; Nov. 14.

Schultz, Roy M., assignor to Cook Electric Company, Chicago, Ill. Sub station protector. 2,362,936; Nov. 14.

Schulze, Walter A., Bartlesville, Okla, assignor to Phillips Petroleum Company. Removal of carbonyl sulphide from low-boiling hydrocarbon fluids. 2,362,669; Nov. 14.

Schulze, Walter A., Bartlesville, Okla., assignor to Phillips Petroleum Company. Production of lead sulphide. 2,362,670; Nov. 14.

Schwan, Joseph F., St. Paul, and C. F. Pierson, Long Lake, Minn. Valve. 2,362,671; Nov. 14.

Schwarz, Bertram A. (See Fichter, L. J., and Schwarz.)

Scott, Hermon H., Winter Hill, assignor to General Radio Company, Cambridge, Mass. Frequency-measuring device. 2,362,503; Nov. 14.

Scott, John W. (See Mihalyi, Joseph, and Scott.)

Scripto Manufacturing Company. (See Smith, Blanchard D., assignor.)

Sebouh, Dickran, New York, N. Y. Lifesaving headgear. 2,362,775; Nov. 14.

Seeger, Nelson V. (See Lichty, J. G., and Seeger.)

Self-Priming Pump & Engineering Co. Limited. (See Watson, Frederick J., assignor.)

Shea, Thomas V., assignor to Phillips Petroleum Company, Chicago, Ill. Liquefied petroleum gas dispensing system. 2,362,724; Nov. 14.

Sheaffer, W. A., Pen Company. (See Kuhlman, Orville E., assignor.)

Sheaffer, W. A., Pen Company. (See Teague, W. D. and W. D. Jr., Myers, and Andrews, assignors.)

Shell Development Company. (See Maxwell, Kenneth E., assignor.)

Shepard, Carl F., Chicago, assignor of one-half to D. P. Mossman, Sr., Park Ridge, Ill. Device for measurement of stereoscopic vision. 2,362,588; Nov. 14.

Shepherd, William G., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric discharge device. 2,362,937; Nov. 14.

Shnitzler, Meyer J., Jamaica Plain, assignor to Gillette Safety Razor Company, Boston, Mass. Magazine for safety razor blades. 2,362,504; Nov. 14.

Short, Harold O., Baltimore County, Md., assignor to The Black and Decker Manufacturing Company. Bearing support. 2,362,938; Nov. 14.

Sidebotham, Melvin H., Newton, assignor of one-half to H. M. Russell, Chelsea, Mass. Container for fluids. 2,362,862; Nov. 14.

Sillick Holding Company Limited, The. (See Canney, D. E. F., and Balkin, assignors.)

Simmons, Edward E., Jr., Pasadena, Calif. Dynamometer and extensometer for impact testing. 2,362,589; Nov. 14.

Simpson, Emory G., assignor to General Motors Corporation, Detroit, Mich. Collapsible top. 2,362,939; Nov. 14.

Skerritt, Roy P., Detroit, Mich. Control for fuel economizers. 2,362,940; Nov. 14.

Sklar, David F., Brooklyn, assignor to Wilson Mechanical Instrument Co., Inc., New York, N. Y. Penetrator chuck retainer. 2,362,941; Nov. 14.

Slaymaker, Frank H. (See Goldberg, H., Slaymaker, and Stewart.)

Sloan, Edward C., Geneva, assignor to The Rudolph Wurlitzer Company, Chicago, Ill. Apparatus for forming materials. 2,362,672; Nov. 14.

Slotsky, David, Cleveland, Ohio. Mounting means for rimless glasses. 2,362,725; Nov. 14.

Slotsky, David, Cleveland, Ohio. Mounting means for spectacles. 2,362,726; Nov. 14.

Smith, Alva T., assignor to The Sunlite Mfg. Company, Milwaukee, Wis. Flatiron. 2,362,590; Nov. 14.

Smith, Alva T., assignor to The Sunlite Mfg. Company, Milwaukee, Wis. Pressing iron. 2,362,591; Nov. 14.

Smith, Blanchard D., assignor to Scripto Manufacturing Company, Atlanta, Ga. Mechanical pencil. 2,362,727; Nov. 14.

Smith, Dallas M., Kirkwood, Mo. Piston packing. 2,362,673; Nov. 14.

Smith, Emmett A., East Cleveland, assignor to The Lincoln Electric Company, Cleveland, Ohio. Welding. 2,362,505; Nov. 14.

Smith, Hiram P., Canton, Ill., assignor to International Harvester Company. Agricultural implement. 2,362,728; Nov. 14.

Smith Meter Company. (See Steen, William E., assignor.)

Smith, Nelson J., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,362,729; Nov. 14.

Smith, Warren M. (See Wasson, J. I., and Smith.)

Society of Chemical Industry. (See Gyr, J., and Gunst, assignors.)

Socony-Vacuum Oil Company. (See Fahnestock, Frank C., assignor.)

Souden, Alexander G. (See Ellis, W. C., and Souden.)

Soule, Arthur H., assignor to Dalmo Victor Co., San Francisco, Calif. Window construction of awning type. 2,362,730; Nov. 14.

Spalding, Kenneth F., Oak Park, assignor to F. Dorsey Montgomery, Chicago, Ill. Pour spout carton. 2,362,942; Nov. 14.

Spangler, Lynwill K., and H. C. Pratt, Parkersburg, W. Va., assignors to American Viscose Corporation, Wilmington, Del. Apparatus for handling spinning solutions. 2,362,674; Nov. 14.

Spaulding, Daniel E., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Portable container. 2,362,852; Nov. 14.

Spayd, Fred M., Van Wert, Ohio. Swinging shears. 2,362,776; Nov. 14.

Sperry Gyroscope Company. (See Frische, Carl A., assignor.)

Speth, Lloyd G., East Cleveland, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Portable tool. 2,362,943; Nov. 14.

Spiller, William R., Dayton, assignor to Harris-Seybold-Potter Company, Cleveland, Ohio. Overload release. 2,362,592; Nov. 14.

Spiller, William R., and J. F. Haunty, Dayton, assignors to Harris-Seybold-Potter Company, Cleveland, Ohio. Lift device. 2,362,853; Nov. 14.

Sprague, Joseph, Honeoye Falls, and B. D. Chamberlin, assignors to The Folmer Graflex Corporation, Rochester, N. Y. Photoflash synchronizing device. 2,362,863; Nov. 14.

Sprecher, Wayne, and C. Ware, Houston, Tex. Hydrostatic pump. 2,362,777; Nov. 14.

Staehle, Henry C., assignor to Eastman Kodak Company, Rochester, N. Y. Masking color transparencies. 2,362,593; Nov. 14.

Standard Oil Company. (See Gaynor, J. W., and Loane assignors.)

Standard Oil Development Company. (See Wasson, J. I., and Smith, assignors.)

Stanley, Paul H., assignor to E. H. Markwart, doing business as Yuba Tank & Steel Co., Sacramento, Calif. Fluid control apparatus. 2,362,731; Nov. 14.

Stanolind Oil and Gas Company. (See Cloud, Raymond T., assignor.)

Starck, Clemens B. (See Nadeau, G. F., and Starck.)

Stark, Robert S. (See Macartney, J. H., and Stark.)

Stearn, William T., and F. W. Schulte, Cumberland, Md., assignors to Celanese Corporation of America. Winding machine. 2,362,506; Nov. 14.

Stebbins, Charles S., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Detachable plug. 2,362,675; Nov. 14.

Stechbart, Bruno, Park Ridge, assignor to The Bell & Howell Company, Chicago, Ill. Centrifugally controlled governor device. 2,362,676; Nov. 14.

Steen, William E., Pasadena, assignor to Smith Meter Company, Los Angeles, Calif. High-pressure meter. 2,362,778; Nov. 14.

Stein, Irving M. (See Peters, J. C., and Stein.)

Stein, John A., Richmond Hill, and L. V. Whipple, Floral Park, N. Y., assignors to American Machine and Foundry Company. Bread wrapping machine. 2,362,959; Nov. 14.

Steinbock, Edmund A., and R. Neiman, Louisville, Ohio; said Neiman assignor to said Steinbock. Producing commercial castings. 2,362,507; Nov. 14.

Stephens, Edward W., assignor to Wingfoot Corporation, Akron, Ohio. Conveyer system. 2,362,677; Nov. 14.

Stephens, William T., assignor to Hydraulic Control Engineering Company, Cleveland, Ohio. Rotary seal assembly. 2,362,854; Nov. 14.

Stephens, William T., assignor to Hydraulic Control Engineering Company, Cleveland, Ohio. Control valve for hydraulic systems. 2,362,944; Nov. 14.

Stephens, William T., assignor to Hydraulic Control Engineering Company, Cleveland, Ohio. Hydraulic control valve. 2,362,945; Nov. 14.

Stevens, George, Baltimore, Md. Tool. 2,362,779; Nov. 14.

Stevens, Joseph R., Plainfield, and R. H. Beutel, Newark, assignors to Merck & Co., Inc., Rahway, N. J. Therapeutic substances. 2,362,508; Nov. 14.

Stewart, J. Russell. (See Goldberg, H., Slaymaker, and Stewart.)

Stewart-Warner Corporation. (See Campbell, T. A., assignor.)

Stewart-Warner Corporation. (See Heymann, Seymour E., assignor.)

Stewart-Warner Corporation. (See Palm, George H., assignor.)

Stewart-Warner Corporation. (See Wedeberg, Reuben, assignor.)

Stimson, Allen G., Marblehead, Mass., assignor to General Electric Company. Electric switch. 2,362,855; Nov. 14.

Stine, Carl A., Van Nuys, assignor to Turco Products, Inc., Los Angeles, Calif. Adjustable ring groove carbon removing tool. 2,362,780; Nov. 14.

Stockdale, Harry C., Revenna, Ohio., assignor to Food Machinery Corporation, San Jose, Calif. Spray gun. 2,362,946; Nov. 14.

Stop-Motion Devices Corp. (See Tellerman, Nathan J., assignor.)

Stop-Motion Devices Corp. (See Vossen, Edward, assignor.)

Streeter Amet Company. (See Wiley, George G., assignor.)

Streid, Dale D., West Lynn, Mass., assignor to General Electric Company. Gas turbine and the like. 2,362,509; Nov. 14.

Stromberg-Carlson Telephone Manufacturing Company, The. (See Bowser, Theron L., assignor.)

Stromberg-Carlson Telephone Manufacturing Company, The. (See Goldberg, H., Slaymaker, and Stewart, assignors.)

Strunk, Kenith G., East Orange, and R. S. Barr, Denville, assignors to Breeze Corporations, Inc., Newark, N. J. Coaxial coupling. 2,362,856; Nov. 14.

Sturm, Frederick W. (See Jauch, R. J., and Sturm.)

Stutsman, Paul W., Waltham, assignor to Raytheon Manufacturing Company, Newton, Mass. Emissive filament and making. 2,362,510; Nov. 14.

Sullivan Machinery Company. (See Joy, Joseph F., assignor.)

Sullivan, Timothy J., assignor, by mesne assignments, to Red & White Laundry & Cleaning Company, Butte, Mont. Direct fired revolving ironer and drier. 2,362,947; Nov. 14.

Sunlite Mfg. Company, The. (See Smith, Alva T., assignor.)

Superior Type Company, The. (See Redin, R. W., and Behar, assignors.)

Tanglefoot Company, The. (See Clark, L. J., and Goosmann, assignors.)

Tarbox, Frances, New York, N. Y. Body belt. 2,362,732; Nov. 14.

Taylor, Clarence C. (See Leo, H. T., and Taylor.)

Teague, Walter D., Jr. (See Teague, W. D. and W. D., Jr., Myers, and Andrews.)

Teague, Walter D., River Farm, W. D. Teague, Jr., Alpine, N. J., and S. Myers and D. D. Andrews, New York, N. Y., assignors to W. A. Sheaffer Pen Company, Fort Madison, Iowa. Fountain pen. 2,362,948; Nov. 14.

Teeters, Wilber O., Roselle, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Modified glycolide resins. 2,362,511; Nov. 14.

Tellerman, Nathan J., assignor to Stop-Motion Devices Corp, Brooklyn, N. Y. Stop motion device for knitting machines. 2,362,781; Nov. 14.

Ter Horst, William P., Pompton Plains, N. J., assignor to United States Rubber Company, New York, N. Y. Parasiticidal preparations. 2,362,594; Nov. 14.

Thomas, Charles A., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Copolymerization product of vinyl chloride and vinyl fluoride. 2,362,960; Nov. 14.

Thomas, Henry L. (See Truslow, J. L., and Thomas.)

Thompson, Albert R., Los Gatos, and J. Bucher, Modesto, assignors to Food Machinery Corporation, San Jose, Calif. Apparatus for treating milk. 2,362,733; Nov. 14.

Thompson, Howard A., Edgewood, assignor to The Union Switch and Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,362,678; Nov. 14.

Timken-Detroit Axle Company, The. (See Alden, Herbert W., assignor.)

Tingley, Charles W., Milwaukee, and W. P. Reilly, Menomonie Falls, Wis. V-belt fastener. 2,362,949; Nov. 14.

Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Fastening device. 2,362,679; Nov. 14.

Tinnerman Products, Inc. (See Tinnerman, George A., assignor.)

Titeflex, Inc. (See Dunn, John, assignor.)

Tomkins-Johnson Company. (See Ward, Loyd A., assignor.)

Torrington Manufacturing Co., The. (See Upson, Walter L., assignor.)

Torrison, Theodore E., Robbinsdale, Minn. Ice cream cone holder. 2,362,595; Nov. 14.

Towler, John M., Yorkshire, England. Control valve for hydraulic presses. 2,362,864; Nov. 14.

Trane Company, The. (See Cantwell, John D., assignor.)

Trattler, Jeane. (See Trattler, Samuel, L., assignor.)

Trattler, Samuel L., assignor to J. Trattler, Brooklyn, N. Y. Ornamental element for use in forming decorative materials. 2,362,596; Nov. 14.

Traylor Engineering and Manufacturing Company. (See Cheesman, Richard D., assignor.)
Trischka, John W. (See Parratt, L. G., and Trischka.)
Troupe, Donald F., Kansas City, Mo. Electrothermic oil well processor. 2,362,680; Nov. 14.
Truslow, James L., Whitinsville, and H. L. Thomas, East Douglas, assignors to Whitin Machine Works, Whitinsville, Mass. Clearer for roving or spinning frames. 2,362,782; Nov. 14.
Tryon, Sager, Elmhurst, and W. S. Benedict, assignors to General Chemical Company, New York, N. Y. Manufacture of aromatic esters. 2,362,865; Nov. 14.
Turco Products, Inc. (See Stine, Carl A., assignor.)
Udy, Marvin J., Niagara Falls, N. Y. Metallurgy. 2,362,512; Nov. 14.
Ulrich, Charles B., Jamestown, N. Y. Universal splint. 2,362,866; Nov. 14.
Ulrich, Charles B., Jamestown, N. Y. Cultivator. 2,362,867; Nov. 14.
Union Switch & Signal Company, The. (See Logan, John W., Jr., assignor.)
Union Switch and Signal Company, The. (See Thompson, Howard A., assignor.)
United Air Lines, Inc. (See Sandretto, Peter C., assignor.)
United Aircraft Corporation. (See Mueller, Robert K., assignor.)
United Shoe Machinery Corporation. (See Houghton, William M., assignor.)
United Shoe Machinery Corporation. (See Knight, Ralph F., assignor.)
United Shoe Machinery Corporation. (See Leveque, Bernard T., assignor.)
United States Plywood Corporation. (See Bailey, W. C., and Adams, assignors.)
United States Rubber Company. (See Ladd, Elbert C., assignor.)
United States Rubber Company. (See ter Horst, William P., assignor.)
United States Time Corporation, The. (See Johnson, Manfred J., assignor.)
Universal Button Fastening & Button Company. (See Hansen, W. O., and Bowen, assignors.)
Universal Oil Products Company. (See Benedict, Wayne L., assignor.)
Upson, Walter L., Litchfield, assignor to The Torrington Manufacturing Co., Torrington, Conn. Blower wheel blade construction. 2,362,868; Nov. 14.
Van Dorn Iron Works Company, The. (See Schlobohm, L., and Farrar, assignors.)
Van Raalte Company. (See Griffis, Lawrence W., assignor.)
Vars, Ethan W., Bellefonte, Pa. Clasp. 2,362,681; Nov. 14.
Vickers-Armstrongs Limited. (See Wallis, Barnes N., assignor.)
Victor Adding Machine Co. (See Mehan, Thomas O., assignor.)
Vieyra, Genevieve C., Gabbs, Nev. Easy cleaning bathtub. 2,362,950; Nov. 14.
Vince, Joseph D., New York, N. Y. Fencing mask. 2,362,597; Nov. 14.
Vittum, Paul W., W. D. Peterson, and H. D. Porter, assignors to Eastman Kodak Company, Rochester, N. Y. Color forming compounds containing sulphonamide groups. 2,362,598; Nov. 14.
Vittum, Paul W., assignor to Eastman Kodak Company, Rochester, N. Y. Color photography. 2,362,599; Nov. 14.
Voorheis, Joseph T., Oakland, assignor to Coen Company, San Francisco, Calif. Air register. 2,362,600; Nov. 14.
Vossen, Edward, assignor to Stop-Motion Devices Corp., Brooklyn, N. Y. Press-off and lump detector for knitting machines. 2,362,783; Nov. 14.
Vye, Donald H. (See Kading, E. G. P., and Vye.)
Wade, Kenneth L., New York, N. Y., assignor to Baker & Co. Inc., Newark, N. J. Electrical switch. 2,362,869; Nov. 14.
Waldmann, Carl A., U. S. Army, Rock Island Arsenal, Ill. Sectional target. 2,362,513; Nov. 14.
Wallis, Barnes N., Weybridge, assignor to Vickers-Armstrongs Limited, London, England. Pressure-tight cabin for aircraft. 2,362,951; Nov. 14.
War, Government of The United States of America, as represented by the Secretary of. (See Hickman, Clarence N., assignor.)
War, Government of The United States of America, as represented by the Secretary of, and his successors in office. (See Schladt, George J., assignor.)
Ward, Bernard L., and D. G. Weatherup, assignors to The Fellows Gear Shaper Company, Springfield, Vt. Crowning attachment for gear finishing machines. 2,362,785; Nov. 14.
Ward, Lawrence T., Philadelphia, Pa., assignor to Knapp-Monarch Company, St. Louis, Mo. Insecticide spray head valve. 2,362,784; Nov. 14.
Ward, Loyd A., assignor to Tomkins-Johnson Company, Jackson, Mich. Feed control. 2,362,870; Nov. 14.
Ward, Robert W., Ridgewood, assignor to National Oil Products Company, Harrison, N. J. Treating fatty materials. 2,362,734; Nov. 14.
Wardwell, George W., Jr., Nichols, Conn., assignor to General Electric Company. Washing machine and method. 2,362,871; Nov. 14.
Ware, Cecil. (See Sprecher, Wayne.)
Warner, Donald F., Swampscott, Mass., assignor to General Electric Company. Centrifugal compressor. 2,362,514; Nov. 14.
Warren, S. D., Company. (See Clark, John W., assignor.)
Wasson, Jones I., Union, N. J., and W. M. Smith, Baton Rouge, La., assignors to Standard Oil Development Company. Antioxidant. 2,362,516; Nov. 14.
Watkins, Lawrence A., Hamilton, Ontario, Canada, assignor to Ditto, Incorporated, Chicago, Ill. Master sheet blank means. 2,362,952; Nov. 14.
Watson, Frederick James, Old Windsor, assignor to Self-priming Pump & Engineering Co., Limited, London, England. Apparatus for checking the power generated by small motors. 2,362,682; Nov. 14.
Wayne Pump Company, The. (See Jauch, R. J., and Sturm, assignors.)
Weagle, Lawrence T., Oakmont, Pa., assignor to Radio Corporation of America. Spirit device. 2,362,872; Nov. 14.
Weatherup, Donald G. (See Ward, Bernard L., and Weatherup.)
Wedeberg, Reuben, assignor to Stewart-Warner Corporation, Chicago, Ill. Overhead lubricating supply apparatus. 2,362,953; Nov. 14.
Weigend, Franz, Berlin-Spandau, Germany; vested in the Alien Property Custodian. Sluicing device for corpuscular ray apparatus. 2,362,515; Nov. 14.
Weinberg, David, Chicago, Ill. Sorting and assembly system. 2,362,683; Nov. 14.
Weiss, Adolph, Brooklyn, assignor, by mesne assignments, to Champlain Company, Inc., New York, N. Y. Rotary printing press. 2,362,735; Nov. 14.
Weiss, Adolph, Brooklyn, assignor, by mesne assignments, to Champlain Company, Inc., New York, N. Y. Rotary intaglio printing press. 2,362,736; Nov. 14.
Welch, William E., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Plastic compositions. 2,362,961; Nov. 14.
Wengel, Raymond W., assignor to Eastman Kodak Company, Rochester, N. Y. Slide projector. 2,362,601; Nov. 14.
Wessman, Walter G., Bridgeport, Conn. Grinding machine. 2,362,873; Nov. 14.
Western Electric Company. (See Reynolds, Ellwood W., assignor.)
Western Precipitation Corporation. (See Phillips, Frederick W., assignor.)
Western Railroad Supply Company. (See Miskelly, Samuel, assignor.)
Westinghouse Electric & Manufacturing Company. (See Schmidt, Henry F., assignor.)
Whipple, Leon V. (See Stein, J. A., and Whipple.)
Whitin Machine Works. (See Truslow, J. L., and Thomas, assignors.)
Whitmer, Albert C., Columbus, Ohio. Record keeping apparatus. 2,362,788; Nov. 14.
Whitmore, Max C., Chicago, Ill. Hydraulic power transmission pump or motor. 2,362,602; Nov. 14.
Wiley, George G., assignor to Streeter Amet Company, Chicago, Ill. Diaphragm switch. 2,362,874; Nov. 14.
Williams, Carl E., West Middlesex, Pa. Camouflage material. 2,362,786; Nov. 14.
Williams, W. D. (See Balz, Emil H., Kassay, and Williams.)
Williamson, James L., assignor to The Fellows Gear Shaper Company, Springfield, Vt. Finishing gears. 2,362,787; Nov. 14.
Wilson Mechanical Instrument Co. (See Sklar, David F., assignor.)
Wingfoot Corporation. (See Kilborn, Karl B., assignor.)
Wingfoot Corporation. (See Lichty, J. G., and Seeger, assignors.)
Wingfoot Corporation. (See McGovern, Bernard F., assignor.)
Wingfoot Corporation. (See Miller, Norton W., assignor.)
Wingfoot Corporation. (See Stephens, Edward W., assignor.)
Winning, Clarence H., Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Gelatin dynamites. 2,362,618; Nov. 14.
Wittel, Otto, assignor to Eastman Kodak Company, Rochester, N. Y. Focusing lens mount. 2,362,603; Nov. 14.
Wood, Edward L., Detroit, Mich. Bread slicing device. 2,362,737; Nov. 14.
Woodberry, John H., Metuchen, N. J. Cartridge orientor. 2,362,517; Nov. 14.
Woodbury, Robert L., Litchfield, Conn. Climber. 2,362,518; Nov. 14.
Woodward, David W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Color photography utilizing immobile 2-substituted-1-naphthylamines. 2,362,519; Nov. 14.
Woodworth, N. A., Company. (See Hohwart, George, assignor.)

Workman, Ora J., Anaconda, Mont. Door. 2,362,789; Nov. 14.
Wortman, O. W. (See Sarver, Emmett F., assignor.)
Wright, Calvert C., State College, assignor to Pennsylvania Bituminous Coal Research, Inc., Altoona, Pa. Stoker. 2,362,604; Nov. 14.
Wurlitzer, Rudolph, Company, The. (See Sloan, Edward C., assignor.)
Yarbrough, Arthur L., assignor to Vera E. Yarbrough, Fullerton, Calif. Cartridge. 2,362,738; Nov. 14.
Yarbrough, Vera E. (See Yarbrough, Arthur L., assignor.)
Yeomans Brothers Company. (See Ciabattari, Emil J., assignor.)
Yoder, Lester, assignor to Iowa State College Research Foundation, Ames, Iowa. Treatment of sterol-containing substrates. 2,362,605; Nov. 14.
Yuba Tank & Steel Co. (See Stanley, Paul H., assignor.)
Zadig, Ernest A., Norwalk, Conn. Game. 2,362,684; Nov. 14.
Zahn, Eric H., Pound Ridge, assignor to Austenal Laboratories, Inc., New York, N. Y. Casting procedure. 2,362,875; Nov. 14.
Zalkind, Philip, New York, N. Y. Collapsible container—wall connection. 2,362,520; Nov. 14.

LIST OF DESIGN INVENTIONS

Airplane. H. R. Hughes. 139,438; Nov. 14.
Automobile. L. J. O'Kane. 139,452; Nov. 14.
Billfold, passholder, and keyholder, Combined. S. I. Smallman. 139,413; Nov. 14.
Boiler, Oil burner. J. D. Landerman. 139,418; Nov. 14.
Bottle. E. W. Fuerst. 139,437; Nov. 14.
Bottle and stopper or similar article, Combined perfume. J. D. Buckingham. 139,433; Nov. 14.
Bowl, Lighting fixture. F. Knoblock. 139,439–40; Nov. 14.
Bracket for memorandum paper or the like, Wall. W. F. Sanford. 139,431; Nov. 14.
Brooch or similar article. A. Katz. 139,409; Nov. 14.
Brooch or similar article. F. Powell. 139,421; Nov. 14.
Brooch, Separable. A. Katz. 139,405–6; Nov. 14.
Button. R. Le Bourgeois. 139,419; Nov. 14.
Cabinet, Sewing. L. T. Roberts. 139,453; Nov. 14.
Cigarette, match, bill, and coin fold, Combined. B. J. Glafke. 139,417; Nov. 14.
Clinometer. J. L. Chaney. 139,402; Nov. 14.
Compact. H. Morris. 139,428; Nov. 14.
Cradle. F. H. Fink. 139,449; Nov. 14.
Cubicle for electrical control panels. K. W. Couse. 139,434; Nov. 14.
Dickey or similar article. D. Rothman. 139,430; Nov. 14.
Dress. M. G. Stein. 139,454; Nov. 14.
Dress. J. Walker. 139,456; Nov. 14.
Fabric, Textile. M. Christen. 139,448; Nov. 14.
Figurine. A. Robinson. 139,423; Nov. 14.
Flashlight or like article. J. G. Lippincott. 139,441–2; Nov. 14.
Game board or similar article, Target. C. H. Churchill. 139,403; Nov. 14.
Goggle or the like, Sun. H. C. Richards. 139,410; Nov. 14.
Goggle or the like, Sun. B. Ulvad. 139,414; Nov. 14.
Guide for fishing rods, Line. W. I. Treadway. 139,411; Nov. 14.
Gyro, Directional. R. M. Heintz. 139,426; Nov. 14.
Helicopter. M. Bates. 139,424; Nov. 14.
Helicopter. W. B. Stout. 139,432; Nov. 14.
Housing, Combined washer and wringer drive. M. M. Jackson. 139,427; Nov. 14.
Insignia, Applique. J. Rafelman. 139,422; Nov. 14.
Instrument head, Diagnostic. C. A. Ellis. 139,425; Nov. 14.
Lens and ash tray, Combined. G. M. Cressaty. 139,435; Nov. 14.
Lens or similar article. G. M. Cressaty. 139,436; Nov. 14.
Luminaire. J. G. Lippincott. 139,443–4; Nov. 14.
Milling machine. R. S. Condon. 139,404; Nov. 14.
Pan, Frying. H. D. Ekonomon. 139,416; Nov. 14.
Pin, Brooch. A. Katz. 139,407–8; Nov. 14.
Pin or similar article. O. Schreyer. 139,412; Nov. 14.
Shoe rack. S. J. Brown. 139,415; Nov. 14.
Stand, Music. H. C. Barger. 139,445; Nov. 14.
Table. B. R. Weill. 139,457; Nov. 14.
Tool, Tire. J. E. Lydle. 139,420; Nov. 14.
Tooth facing, Artificial. L. D, Brubaker. 139,446–7; Nov. 14.
Trimming, Embroidered. J. Goldfrank. 139,450–1; Nov. 14.
Wagon, Station. G. W. Walker. 139,455; Nov. 14.
Wallet. C. Meyers. 139,429; Nov. 14.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 14TH DAY OF NOVEMBER, 1944

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive tool. G. W. Allred. 2,362,739; Nov. 14.
Absorbent closure cap. C. F. Boesel. 2,362,796; Nov. 14.
Acid values from citrus products, Recovering citric. H. T. Leo and C. C. Taylor. 2,362,906; Nov. 14.
Acoustical building element. M. C. Rosenblatt. 2,362,859; Nov. 14.
Adjusting device for throttle valves. R. O. Allen. 2,362,608; Nov. 14.
Aerial camera mount. C. S. Robinson. 2,362,773; Nov. 14.
Agricultural implement. J. L. Hipple. 2,362,695; Nov. 14.
Agricultural implement. H. P. Smith. 2,362,728; Nov. 14.
Air conditioning apparatus. H. W. Schaefer. 2,362,933; Nov. 14.
Aircraft compass-correcting apparatus. W. H. Griffith and C. J. Colby. 2,362,629; Nov. 14.
Aircraft structure. R. W. Miller. 2,362,919; Nov. 14.
Airport fueling mechanism. R. J. Jauch and F. W. Sturm. 2,362,559; Nov. 14.
Air powered hair cutter. E. F. Sarver. 2,362,666; Nov. 14.
Air register. J. T. Voorhees. 2,362,600; Nov. 14.
Air-speed control and spin delay assembly for link trainers. S. Holbert. 2,362,486; Nov. 14.
Amine salts of polyhalo-phenols. E. C. Britton and J. N. Hansen. 2,362,464; Nov. 14.
Analytical apparatus. G. M. Dreher. 2,362,687; Nov. 14.
Ankle support for boots. M. G. Hueston. 2,362,824; Nov. 14.
Annunciator system. N. Y. Priessman. 2,362,928; Nov. 14.
Antioxidant. J. I. Wasson and W. M. Smith. 2,362,516; Nov. 14.
Apparatus for carding artificial teeth. J. H. Moyer and D. E. Evans. 2,362,660; Nov. 14.
Apparatus for checking the power generated by small motors. F. J. Watson. 2,362,682; Nov. 14.
Apparatus for coating textile hose. D. E. F. Canney and M. Balkin. 2,362,881; Nov. 14.
Apparatus for conditioning the surfaces of metal bodies. J. H. Bucknam. 2,362,536; Nov. 14.
Apparatus for flowing oil or gas wells. E. C. Baily. 2,362,442; Nov. 14.
Apparatus for forming materials. E. C. Sloan. 2,362,672; Nov. 14.
Apparatus for handling spinning solutions. L. K. Spangler and H. C. Pratt. 2,362,674; Nov. 14.
Apparatus for indicating pressure changes over time intervals. A. G. Bodine, Jr. 2,362,446; Nov. 14.
Apparatus for joining pieces of yarn. C. J. Charnock. 2,362,801; Nov. 14.
Apparatus for making porous metal parts. R. P. Koehring. 2,362,701; Nov. 14.
Apparatus for recovering volatizable metals. L. M. Pidgeon. 2,362,718; Nov. 14.
Apparatus for separating particulate materials. M. E. Haworth. 2,362,482; Nov. 14.
Apparatus for silencing and supercharging engine intakes. W. W. Lowther. 2,362,493; Nov. 14.
Apparatus for testing flame safety lamps. E. E. Quenon. 2,362,500; Nov. 14.
Apparatus for testing or measuring sizes or dimensions. G. F. Pembroke. 2,362,924; Nov. 14.
Apparatus for the production of metallic magnesium. M. E. Hertel. 2,362,440; Nov. 14.
Apparatus for the recovery of volatizable metals. L. M. Pidgeon. 2,362,717; Nov. 14.
Apparatus for treating milk. A. R. Thompson and J. Bucher. 2,362,733; Nov. 14.
Apparatus for use in cooling offal and the like. F. J. Bilek. 2,362,532; Nov. 14.
Applicator, Nasal. C. S. McGivern. 2,362,704; Nov. 14.
Armrest for crutches. T. Lamb. 2,362,642; Nov. 14.
Aromatic esters, Manufacture of. S. Tryon and W. S. Benedict. 2,362,865; Nov. 14.
Artificial line and making same. L. A. De Rosa. 2,362,470; Nov. 14.
Atomizing apparatus. L. J. Clark and W. F. Goosmann. 2,362,885; Nov. 14.
Attachment for stripping foam from cans. H. D. Ayars. 2,362,791; Nov. 14.
Automatic electric control system. R. R. Lobosco. 2,362,569; Nov. 14.
Automotive accessory support. A. C. Radtke. 2,362,719; Nov. 14.
Axle, Steering drive. H. W. Alden. 2,362,456; Nov. 14.
Baffle wall structure for sheet drying or baking or drying ovens. J. H. O'Neil. 2,362,847; Nov. 14.
Bag closing machine. D. Belcher and F. R. Linda. 2,362,462; Nov. 14.
Baler. S. D. Russell. 2,362,861; Nov. 14.
Ball mill liner. L. A. Fitzgerald. 2,362,811; Nov. 14.
Barrier joint or termination for electric power cables. E. C. Lee. 2,362,963; Nov. 14.
Base block for crucibles or the like. G. T. Hubbell. 2,362,823; Nov. 14.
Bathtub, Easy cleaning. G. C. Vieyra. 2,362,950; Nov. 14.
Bearing: *See*—
Thrust bearing.
Bearing. R. Lappert. 2,362,566; Nov. 14.
Bearing support. H. O. Short. 2,362,938; Nov. 14.
Belt, Body. F. Tarbox. 2,362,732; Nov. 14.
Belt idler, Self-lubricating. A. W. Lemmon and E. E. Landahl. 2,362,644; Nov. 14.
Binder, Grain. E. F. Huddle. 2,362,697; Nov. 14.
Bit: *See*—
Earth boring rock bit.
Block: *See*—
Removable tread block.
Blowpipe apparatus. J. H. Bucknam. 2,362,585; Nov. 14.
Bone fractures, External fixation. J. D. Berke. 2,362,741; Nov. 14.
Braiding machine. J. Dunn. 2,362,688; Nov. 14.
Brake cooling system. L. Newcomb. 2,362,581; Nov. 14.
Brake mechanism. R. S. Sanford. 2,362,723; Nov. 14.
Brakes on trailer vehicles, Controlling. J. Rodway. 2,362,931; Nov. 14.
Bread slicing device. E. L. Wood. 2,362,737; Nov. 14.
Bread wrapping machine. J. A. Stein and L. V. Whipple. 2,362,959; Nov. 14.
Breathing apparatus for use under water. C. J. Lambertsen. 2,362,643; Nov. 14.
Butter cutter. W. W. Rush and G. J. Maloney. 2,362,722; Nov. 14.
Buttons and the like, Attachment of. W. O. Hansen and M. L. Bowen. 2,362,630; Nov. 14.
Cabin for aircraft, Pressure-tight. B. N. Wallis. 2,362,951; Nov. 14.
Cable holder. E. G. P. Kading and D. H. Vye. 2,362,828; Nov. 14.
Calculating machine. S. I. Krieger. 2,362,702; Nov. 14.
Calculating machine. T. O. Mehan. 2,362,709; Nov. 14.
Camera particularly adapted for aerial photography, Photographic. A. H. Gorey, L. D. Nadel, and E. S. Hineline. 2,362,813; Nov. 14.
Camouflage material. C. E. Williams. 2,362,786; Nov. 14.
Can closing machine. P. E. Pearson. 2,362,848; Nov. 14.
Cap: *See*—
Absorbent closure cap.
Car truck. E. J. Maatman and C. J. W. Clasen. 2,362,654; Nov. 14.
Carbon and activating the same, and products thereof, Producing. R. M. Boehm and H. E. Hall. 2,362,463; Nov. 14.
Carbon removing tool, Adjustable ring groove. C. A. Stine. 2,362,780; Nov. 14.
Carburetor. G. M. Bicknell. 2,362,879; Nov. 14.
Carton, Pour spout. K. F. Spalding. 2,362,942; Nov. 14.
Cartridge. A. L. Yarbrough. 2,362,738; Nov. 14.
Cartridge and spool therefor, Film. J. Mihalyi and J. W. Scott. 2,362,577; Nov. 14.
Casting procedure. E. H. Zahn. 2,362,875; Nov. 14.
Cathode ray tube. G. Liebmann. 2,362,808; Nov. 14.
Cellulose ether composition, Water-soluble. R. C. Medl, Jr. 2,362,761; Nov. 14.
Cellulose ethers, Production of. W. H. Groombridge and J. Downing. 2,362,900; Nov. 14.
Cement, Sound deadening bituminous. H. M. Marc. 2,362,839; Nov. 14.
Centrifugally controlled governor device. B. Stechbart. 2,362,676; Nov. 14.
Chain pin injector and ejector tool. H. C. Medley. 2,362,656; Nov. 14.
Chair. N. A. DeVries. 2,362,746; Nov. 14.
Chair construction. H. Robinson. 2,362,585; Nov. 14.
Check, Picker stick. F. P. Medeiros. 2,362,916; Nov. 14.

Chemical compounds, Preparing. J. G. Lichty and N. V. Seeger. 2,362,648; Nov. 14.
Chimney construction. F. G. Landwehr. 2,362,833; Nov. 14.
Chuck. S. Salabes. 2,362,501; Nov. 14.
Chuck retainer, Penetrator. D. F. Sklar. 2,362,941; Nov. 14.
Cigar bunch forming mechanism. J. P. Durning. 2,362,892; Nov. 14.
Clamp: *See*—
Quick-acting clamp. Surgical bone clamp.
Clasp. E. W. Vars. 2,362,681; Nov. 14.
Cleaner: *See*—
Explosive screen cleaner.
Cleanser, Denture. J. A. Hopkins. 2,362,487; Nov. 14.
Clearer for roving or spinning frames. J. L. Truslow and H. L. Thomas. 2,362,782; Nov. 14.
Climber. R. L. Woodbury. 2,362,518; Nov. 14.
Clip for hoses and the like. R. C. S. Jamie. 2,362,901; Nov. 14.
Clock balance wheel. P. J. McCullough. 2,362,836; Nov. 17.
Close-fit connector. G. E. Reed. 2,362,664; Nov. 14.
Closure, Pour-out. O. E. Kuhlman. 2,362,905; Nov. 14.
Clutch device. N. D. Levin. 2,362,647; Nov. 14.
Coating composition and preparing the same. L. Balassa. 2,362,876; Nov. 14.
Coating machine. A. T. Anderson. 2,362,457; Nov. 14.
Coaxial coupling. K. G. Strunk and R. S. Barr. 2,362,856; Nov. 14.
Color filter for moving picture devices. B. W. Herska. 2,362,818; Nov. 14.
Color forming compounds containing sulphonamide groups. P. W. Vittum, W. D. Peterson, and H. D. Porter. 2,362,598; Nov. 14.
Color photography. P. W. Vittum. 2,362,599; Nov. 14.
Color photography utilizing immobile 2-substituted-1-naphthylamines. D. W. Woodward. 2,362,519; Nov. 14.
Color transparencies, Masking. H. C. Staehle. 2,362,593; Nov. 14.
Combination for supporting, restraining, and protecting a child when seated at a table. G. M. Carner. 2,362,465; Nov. 14.
Commercial castings, Producing. E. A. Steinbock and R. Neiman. 2,362,507; Nov. 14.
Communication system. H. Goldberg, F. H. Slaymaker, and J. R. Stewart. 2,362,692; Nov. 14.
Comparator. F. R. Clement. 2,362,615; Nov. 14.
Compensator, Pendulum. R. T. Cloud. 2,362,616; Nov. 14.
Compositions of rubber and jelled solution of shellac in a glycol. S. Caplan. 2,362,538; Nov. 14.
Compressor, Centrifugal. D. F. Warner. 2,362,514; Nov. 14.
Concentrating apparatus. J. H. Macartney. 2,362,706; Nov. 14.
Connector: *See*—
Close-fit connector.
Container: *See*—
Dispensing container. Portable container.
Key opening sheet metal container. Sheet metal container.
Container covers. R. L. Batchelor. 2,362,740; Nov. 14.
Container for fluids. M. H. Sidebotham. 2,362,862; Nov. 14.
Container sealing machine. R. M. Mero. 2,362,840; Nov. 14.
Container steaming apparatus and method, Filled. H. L. Minaker. 2,362,841; Nov. 14.
Container structure. F. J. O'Brien. 2,362,845; Nov. 14.
Container—wall connection, Collapsible. P. Zalkind. 2,362,520; Nov. 14.
Control device, Unwinding. E. W. Reynolds. 2,362,665; Nov. 14.
Control for fuel economizers. R. P. Skerritt. 2,362,940; Nov. 14.
Control for torpedoes, Automatic. H. S. Joachim. 2,362,827; Nov. 14.
Control mechanism. C. A. Arens. 2,362,458; Nov. 14.
Control valve for electric presses. J. M. Towler. 2,362,864; Nov. 14.
Conveyor system. E. W. Stephens. 2,362,677; Nov. 14.
Cooking appliance. A. Palensky. 2,362,921; Nov. 14.
Copolymerization product of vinyl chloride and vinyl fluoride. C. A. Thomas. 2,362,960; Nov. 14.
Core bars in horizontal pipe casting apparatus, Positioning. J. E. Goates. 2,362,899; Nov. 14.
Coupler. T. A. Campbell. 2,362,880; Nov. 14.
Coupling: *See*—
Coaxial coupling. Pipe coupling.
Coupling. F. A. De Lano. 2,362,686; Nov. 14.
Crossarm for electric lines. D. C. Hubbard. 2,362,555; Nov. 14.
Crown cap conveyer. P. E. Pearson and C. E. Magnus. 2,362,849; Nov. 14.
Crowning attachment for gear finishing machines. B. L. Ward and D. G. Weatherup. 2,362,785; Nov. 14.
Crowning attachment for gear finishing machines, Cam operated. E. W. Miller. 2,362,764; Nov. 14.
Cultivator. C. B. Ulrich. 2,362,867; Nov. 14.
Cutter: *See*—
Air powered hair cutter. Hedge cutter.
Butter cutter.
Cutter. J. A. Markstrum. 2,362,708; Nov. 14.
Cutting mechanism for woolen shears. L. F. Remington. 2,362,770; Nov. 14.
Desk, Typewriter. W. J. Bargen. 2,362,877; Nov. 14.
Detachable plug. C. S. Stebbins. 2,362,675; Nov. 14.
Detector for knitting machines, Press-off and lump. E. Vossen. 2,362,783; Nov. 14.
Detergent and production. W. F. Carson, Jr. 2,362,882; Nov. 14.
Device for measurement of stereoscopic vision. C. F. Shepard. 2,362,588; Nov. 14.
Device for projection moving time-indications. M. J. Johnson. 2,362,754; Nov. 14.
Device for taking stereoscopic pictures. C. D. Austin. 2,362,790; Nov. 14.
Diaphragm switch. G. G. Wiley. 2,362,874; Nov. 14.
Dinitrotoluene, Manufacture of. W. D. C. Crater. 2,362,743; Nov. 14.
Direction signal switch. J. E. Eshbaugh. 2,362,689; Nov. 14.
Discharge electrode structure for electrical precipitation apparatus. F. W. Phillips. 2,362,716; Nov. 14.
Dispenser. E. M. Lauer. 2,362,835; Nov. 14.
Dispensing container, S. Blackman. 2,362,609; Nov. 14.
Display device. S. I. and M. M. Burd. 2,362,800; Nov. 14.
Distillation device and process. W. A. Darrah. 2,362,889; Nov. 14.
Disulphonamides having quaternary ammonium salt groups. D. D. Coffman and J. C. Sauer. 2,362,886; Nov. 14.
Doll. A. M. Peterson and J. Schaeffers. 2,362,662; Nov. 14.
Door. O. J. Workman. 2,362,789; Nov. 14.
Doubling machine. L. F. Remington and C. H. Coolidge. 2,362,771; Nov. 14.
Driving mechanism, Variable-speed. W. H. De Lancey. 2,362,542; Nov. 14.
Dump truck body support. G. W. Schultz. 2,362,668; Nov. 14.
Duplex pneumatic sewage ejectors, Control of. E. J. Ciabattari. 2,362,802; Nov. 14.
Duplicating machine. F. R. Ford. 2,362,895; Nov. 14.
Duplicators and the like, Registering. C. H. Olsen. 2,362,715; Nov. 14.
Dyestuff, Azo. J. F. Froning. 2,362,477; Nov. 14.
Dynamites, Gelatin. C. H. Winning. 2,362,618; Nov. 14.
Dynamometer and extensometer for impact testing. E. E. Simmons, Jr. 2,362,589; Nov. 14.
Earth anchor. D. C. Hubbard. 2,362,556; Nov. 14.
Earth boring rock bit. A. M. Rossman. 2,362,860; Nov. 14.
Egg sorting method and mechanism. A. L. Romanoff. 2,362,774; Nov. 14.
Electric control. C. J. Lundborg. 2,362,652; Nov. 14.
Electric discharge device. W. G. Shepherd. 2,362,937; Nov. 14.
Electric fluid turbine. H. Kraft. 2,362,831; Nov. 14.
Electric switch. A. G. Stimson. 2,362,855; Nov. 14.
Electric switchgear. R. E. Bold. 2,362,798; Nov. 14.
Electric waving iron. L. I. Francis. 2,362,748; Nov. 14.
Electrical discharge device. D. Harker. 2,362,816; Nov. 14.
Electrical extension. H. Hartmann. 2,362,481; Nov. 14.
Electrical process of producing villous or pubescent synthetic yarn. W. R. McLain. 2,362,572; Nov. 14.
Electrical switch. K. L. Wade. 2,362,869; Nov. 14.
Electroplating apparatus. C. W. Eisenheimer. 2,362,474; Nov. 14.
Electrothermic oil well processor. D. F. Troupe. 2,362,680; Nov. 14.
Elevator. E. E. Evans. 2,362,809; Nov. 14.
Engine: *See*—
Injection engine. Rotary engine.
Internal-combustion engine. Sleeve valve engine.
Ethanol, Fermentation process for production of. L. M. Christensen. 2,362,451; Nov. 14.
Evaporator. M. Keim. 2,362,903; Nov. 14.
Excitation of vibration in structural members. J. Clark. 2,362,467; Nov. 14.
Explosive. L. N. Bent. 2,362,878; Nov. 14.
Explosive composition. C. O. Davis and H. H. Fassnacht. 2,362,617; Nov. 14.
Explosive screen cleaner. M. M. Kinley. 2,362,829; Nov. 14.
Eye-forming machine. A. J. Anderson. 2,362,522; Nov. 14.
Fabric tensioning method and means. A. Hofmann and W. Hartmann. 2,362,485; Nov. 14.
Fastener: *See*—
V-belt fastener.
Fastener. C. M. Blodgett. 2,362,445; Nov. 14.
Fastening device. G. A. Tinnerman. 2,362,679; Nov. 14.
Fatty material, Treating. R. W. Ward. 2,362,734; Nov. 14.
Feed control. L. A. Ward. 2,362,870; Nov. 14.
Feed mechanism, Variable. T. F. Brackett. 2,362,449; Nov. 14.
Feeder. L. E. Albertson. 2,362,607; Nov. 14.
Feeder. L. E. Albertson and H. M. Mueller. 2,362,606; Nov. 14.
Feeder. C. R. Livermon. 2,362,492; Nov. 14.

Fencing mask. J. D. Vince. 2,362,597; Nov. 14.
Filament and making, Emissive. P. W. Stutsman. 2,362,510; Nov. 14.
File. J. F. Linden. 2,362,491; Nov. 14.
Filled cans, Method of and apparatus for removing air from the head spaces of. J. M. Boyd, L. E. Clifcorn and G. T. Peterson. 2,362,799; Nov. 14.
Filter. D. L. Bennett. 2,362,530; Nov. 14.
Flatiron. A. T. Smith. 2,362,590; Nov. 14.
Floor tile compositions, Mastic. R. F. Schlaanstine. 2,362,934; Nov. 14.
Flour, Preparation of fine cellulose. E. H. Balz, A. W. Kassay, and W. D. Williams. 2,362,528; Nov. 14.
Flow control valve. J. L. Harris. 2,362,631; Nov. 14.
Fluid control apparatus. P. H. Stanley. 2,362,731; Nov. 14.
Fluid meter. W. H. De Lancey. 2,362,541; Nov. 14.
Focusing lens mount. O. Wittel. 2,362,603; Nov. 14.
Frequency-measuring device. H. H. Scott. 2,362,503; Nov. 14.
Frequency modulation receiver. R. B. Dome. 2,362,806; Nov. 14.
Friction materials, Making. L. H. Chappel. 2,362,450; Nov. 14.
Fuel assembly, Propellent. C. D. Pratt. 2,362,927; Nov. 14.
Fuel economizer. E. Janzich. 2,362,558; Nov. 14.
Fuel injection pump. J. E. Houser, W. A. Hancock, and L. T. Rowe. 2,362,822; Nov. 14.
Fumigant. F. W. Fletcher and R. R. Dreisbach. 2,362,475; Nov. 14.
Fumigant mixtures. R. R. Dreisbach and F. W. Fletcher. 2,362,472; Nov. 14.
Furnace. L. Lockwood. 2,362,649; Nov. 14.
Game. E. A. Zadig. 2,362,684; Nov. 14.
Garment hanger. H. E. Kuss. 2,362,756; Nov. 14.
Garment paper moistener. T. H. Krueger. 2,362,755; Nov. 14.
Gas dispensing system, Liquefied petroleum. T. V. Shea. 2,362,724; Nov. 14.
Gas turbine and the like. D. D. Streid. 2,362,509; Nov. 14.
Gate: *See*—
Grade crossing gate.
Gauge: *See*—
Plug gauge. Pressure gauge.
Gear: *See*—
Power assisted steering gear.
Gear finishing and crowning machine. E. W. Miller. 2,362,763; Nov. 14.
Gear finishing machine. E. W. Miller. 2,362,762; Nov. 14.
Gear shifting mechanism. C. D. Peterson and E. J. Barth. 2,362,925; Nov. 14.
Gears, Finishing. J. L. Williamson. 2,362,787; Nov. 14.
Getter. R. U. Clark. 2,362,468; Nov. 14.
Glycolide resins, Modified. W. O. Teeters. 2,362,511; Nov. 14.
Goggle, Underwater. R. Malcom. 2,362,917; Nov. 14.
Governor system for automotive vehicles. M. Mallory. 2,362,655; Nov. 14.
Grab, Stock handling. J. Breslav. 2,362,742; Nov. 14.
Grade crossing gate. S. Miskelly. 2,362,710; Nov. 14.
Granular material and making the same. C. L. Jewett. 2,362,489; Nov. 14.
Grease disposal means for cooking surfaces. A. L. Lang. 2,362,757; Nov. 14.
Grinding machine. W. G. Wessman. 2,362,873; Nov. 14.
Gun controlling apparatus and the like. F. G. Logan. 2,362,650; Nov. 14.
Gun, Spray. H. C. Stockdale. 2,362,946; Nov. 14.
Gun turret. A. Corte. 2,362,887; Nov. 14.
Handle for open vessels, Detachable. J. H. Reichart. 2,362,720; Nov. 14.
Handle for pneumatic and electric portable drills, Pressure. J. T. Richards. 2,362,929; Nov. 14.
Hanger: *See*—
Garment hanger. Liner hanger.
Headgear, Lifesaving. D. Sebouh. 2,362,775; Nov. 14.
Heat exchange unit. J. D. Cantwell. 2,362,955; Nov. 14.
Heater: *See*—
Sectional fireplace heater.
Heater. H. J. De N. McCollum. 2,362,571; Nov. 14.
Hedge cutter. R. H. Beach. 2,362,461; Nov. 14.
Helmet connection for skullguards. F. M. Bowers. 2,362,610; Nov. 14.
Helmet, Welder's. W. L. Keehn. 2,362,637; Nov. 14.
Hide treatment. V. Conquest and H. L. Keil. 2,362,540; Nov. 14.
High-pressure meter. W. E. Steen. 2,362,778; Nov. 14.
Hinge for vehicle doors, Ratchet. N. H. Pardoe. 2,362,923; Nov. 14.
Hitch for plows, Cushion spring. J. Morkoski. 2,362,712; Nov. 14.
Holder: *See*—
Cable holder. Piezo crystal holder.
Ice cream cone holder. Stylus holder.
Hydraulic braking systems for tractors. R. D. Action. 2,362,521; Nov. 14.
Hydraulic control valve. W. T. Stephens. 2,362,945; Nov. 14.
Hydraulic power transmission pump or motor. M. C. Whitmore. 2,362,602; Nov. 14.
Hydrocarbon conversion process. W. L. Benedict. 2,362,795; Nov. 14.
Hydrocarbon fluids, Removal of carbonyl sulphide from low-boiling. W. A. Schulze. 2,362,669; Nov. 14.
Hydrocarbons, Conversion of. F. C. Fahnestock. 2,362,621; Nov. 14.
Hydrostatic pump. W. Sprecher and C. Ware. 2,362,777; Nov. 14.
Ice cream cone holder. T. E. Torrison. 2,362,595; Nov. 14.
Impact wrench. C. W. Porter. 2,362,499; Nov. 14.
Infusion package and the manufacture thereof. L. Barnett. 2,362,459; Nov. 14.
Infusion package and the manufacture thereof. L. Barnett. 2,362,460; Nov. 14.
Injection engine. H. Fischer. 2,362,622; Nov. 14.
Injection equipment and operating same, Intravenous. W. F. Butler. 2,362,537; Nov. 14.
Injection molding apparatus. W. P. Cousino. 2,362,469; Nov. 14.
Injection molding apparatus. R. P. Piperoux. 2,362,583; Nov. 14.
Insecticidal compositions. K. E. Maxwell. 2,362,760; Nov. 14.
Insecticide spray head valve. L. T. Ward. 2,362,784; Nov. 14.
Insecticides. J. B. Calva. 2,362,614; Nov. 14.
Interceptor, Grease. E. W. N. Boosey. 2,362,447; Nov. 14.
Internal-combustion engine. M. Mallory. 2,362,838; Nov. 14.
Iron: *See*—
Electric waving iron. Pressing iron.
Ironer and dryer, Direct fired revolving. T. J. Sullivan. 2,362,947; Nov. 14.
Ironing machine. A. H. Gerhardt. 2,362,625; Nov. 14.
Irrigation system. A. Duke. 2,362,747; Nov. 14.
Jack. G. L. Mayberry. 2,362,495; Nov. 14.
Joint: *See*—
Lock joint.
Joint for demountable furniture. F. Kramer. 2,362,904; Nov. 14.
Key opening sheet metal container. W. W. Hodgson. 2,362,821; Nov. 14.
Knockdown picnic table. J. C. La Rue. 2,362,567; Nov. 14.
Laminar structure and its preparation. G. F. Nadeau and C. B. Starck. 2,362,580; Nov. 14.
Latch for fair-leaders, Pin retainer. K. Berger. 2,362,531; Nov. 14.
Lead sulphide, Production of. W. A. Schulze. 2,362,670; Nov. 14.
Lifesaving apparatus. G. H. Bingham, Jr. 2,362,962; Nov. 14.
Lift device. W. R. Spiller and J. F. Haunty. 2,362,853; Nov. 14.
Liner hanger. C. K. Morgan. 2,362,766; Nov. 14.
Liquid cooling of high temperature bodies. C. V. Litton. 2,362,911; Nov. 14.
Litter, Convertible and collapsible. H. V. Reynolds. 2,362,721; Nov. 14.
Live center. C. J. Fouchey. 2,362,812; Nov. 14.
Lock joint. A. J. Jansen. 2,362,902; Nov. 14.
Lubricant. J. W. Gaynor and C. M. Loane. 2,362,624; Nov. 14.
Lubricants. J. D. Morgan. 2,362,767; Nov. 14.
Lubricating means. W. O. Bechman. 2,362,443; Nov. 14.
Lubricating supply apparatus, Overhead. R. Wedeberg. 2,362,953; Nov. 14.
Luggage. E. Dresner. 2,362,807; Nov. 14.
Machine for filling cans. H. D. Ayars. 2,362,793; Nov. 14.
Machine for sewing shoes. B. T. Leveque. 2,362,645; Nov. 14.
Machine gun. V. A. Browning. 2,362,613; Nov. 14.
Magazine for safety razor blades. M. J. Shnitzler. 2,362,504; Nov. 14.
Marker construction. C. C. Haas. 2,362,693; Nov. 14.
Marker for cylindrical objects. R. W. Redin and S. M. Behar. 2,362,663; Nov. 14.
Meat products, Canning. L. B. Jensen and W. R. Hess. 2,362,441; Nov. 14.
Mechanical loading and conveying of loose material. T. G. Nyborg. 2,362,844; Nov. 14.
Mechanism for holding umbrella cover tips in stitching position. M. M. Cohn. 2,362,452; Nov. 14.
Metal arch support. W. D. Moore. 2,362,497; Nov. 14.
Metallurgical methods, Powder. I. Rennerfelt. 2,362,772; Nov. 14.
Metallurgy. M. J. Udy. 2,362,512; Nov. 14.
Meter: *See*—
Fluid meter. High-pressure meter.
Meter system. F. G. Kelly. 2,362,562; Nov. 14.
Method and apparatus for detecting hydrocarbons. R. L. Doan. 2,362,805; Nov. 14.
Method and apparatus for treating rubber articles prior to vulcanization. B. F. McGovern. 2,362,653; Nov. 14.
Method of and apparatus for making airplane propelled blades. A. C. Davidson. 2,362,745; Nov. 14.
Modulation measuring apparatus. H. W. Kline. 2,362,830; Nov. 14.
Molding powders. E. Glycofrides. 2,362,627; Nov. 14.
Molding powders, Producing. E. Glycofrides. 2,362,628; Nov. 14.

Molding strips to trim panels, Applying. A. C. Lind and A. Carlin. 2,362,909; Nov. 14.
Moth repelling product. W. L. Morgan and E. D. McLeod. 2,362,768; Nov. 14.
Motion device for knitting machines, Stop. N. J. Tellerman. 2,362,781; Nov. 14.
Mounting means for rimless glasses. D. Slotsky. 2,362,725; Nov. 14.
Mounting means for spectacles. D. Slotsky. 2,362,726; Nov. 14.
Mover device, Prime. J. H. Macartney and R. S. Stark. 2,362,705; Nov. 14.
Mud pump. A. A. Ashton. 2,362,524; Nov. 14.
Multipolar circuit breaker. E. T. Platz. 2,362,850; Nov. 14.
Natural colors floating signal. R. C. Hitt. 2,362,553; Nov. 14.
Negatives, Producing dropout half-tone. A. H. Huttkay. 2,362,826; Nov. 14.
Network, Wave transmission. S. G. Hale. 2,362,549; Nov. 14.
Oil seal. H. L. Northrup. 2,362,843; Nov. 14.
Oils, Viscous hydrocarbon. M. A. Dietrich. 2,362,890; Nov. 14.
Operating device for impulse-controlled instruments. H. L. McCleery. 2,362,570; Nov. 14.
Organic acid esters of cellulose, Preparing. C. J. Malm. 2,362,575; Nov. 14.
Organic acid esters of cellulose, Preparing. C. J. Malm. 2,362,576; Nov. 14.
Organic compounds, Recovering. I. L. Murray and R. G. Edmonds. 2,362,579; Nov. 14.
Orientor, Cartridge. J. H. Woodberry. 2,362,517; Nov. 14.
Ornamental element for use in forming decorative materials. S. L. Trattler. 2,362,596; Nov. 14.
Package wrapping machine. C. E. Hinchey. 2,362,819; Nov. 14.
Paint and producing the same, Emulsion. L. J. Howlett. 2,362,635; Nov. 14.
Paper, Making aluminum coated. J. W. Clark. 2,362,884; Nov. 14.
Parachute. L. B. Jahn. 2,362,488; Nov. 14.
Parasiticidal preparations. E. C. Ladd. 2,362,563–5; Nov. 14.
Parasiticidal preparations. W. P. ter Horst. 2,362,594; Nov. 14.
Parasiticide. R. R. Driesbach and F. W. Fletcher. 2,362,471; Nov. 14.
Peeler, Vegetable. H. Gamache. 2,362,896; Nov. 14.
Pen, Fountain. W. D. Teague, W. D. Teague, Jr., S. Myers, and D. D. Andrews. 2,362,948; Nov. 14.
Pencil, Mechanical. B. D. Smith. 2,362,727; Nov. 14.
Photoflash synchronizing device. J. Sprague and B. D. Chamberlin. 2,362,863; Nov. 14.
Photographic exposure identification means particularly for aerial cameras. A. H. Gorey, L. D. Nadel, and E. S. Hineline. 2,362,814; Nov. 14.
Piezo crystal holder. S. A. Bokovoy. 2,362,797; Nov. 14.
Pipe: *See*—
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Pipe connection. A. H. Jahns. 2,362,557; Nov. 14.
Pipe coupling. W. B. Damsel. 2,362,454; Nov. 14.
Pipe or the like, Measuring. J. E. Levin. 2,362,907; Nov. 14.
Piston packing. D. M. Smith. 2,362,673; Nov. 14.
Piston ring and making same. W. H. Farr. 2,362,810; Nov. 14.
Pitch propeller, Adjustable. A. K. McLeod. 2,362,913; Nov. 14.
Pitch propeller mechanism for airplanes, Adjustable. A. K. McLeod. 2,362,914; Nov. 14.
Plastic compositions. W. E. Welch. 2,362,961; Nov. 14.
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Detachable plug.
Plug gauge. G. E. Durgin. 2,362,808; Nov. 14.
Plug gauge wear testing device, Cylindrical. G. Hohwart. 2,362,554; Nov. 14.
Portable container. D. E. Spaulding. 2,362,852; Nov. 14.
Portable tool. L. G. Speth. 2,362,943; Nov. 14.
Post card and return envelope, Double. G. J. Mess. 2,362,496; Nov. 14.
Power assisted steering gear. A. D. Robbins. 2,362,930; Nov. 14.
Power lifting arrangement. C. W. Mott. 2,362,578; Nov. 14.
Power transmitting means. Z. Littman. 2,362,910; Nov. 14.
Press: *See*—
Rotary printing press. Rotary intaglio printing press.
Pressing iron. A. T. Smith. 2,362,591; Nov. 14.
Pressure gauge. C. N. Hickman. 2,362,484; Nov. 14.
Pressure regulating apparatus for constant delivery pumps. C. W. Mott. 2,362,713; Nov. 14.
Print developing machine. R. Sardeson, L. D. Friel, H. M. and G. M. Dye. 2,362,587; Nov. 14.
Projectile, Lighting. E. W. Brandt. 2,362,534; Nov. 14.
Projection screen. S. M. MacNeille. 2,362,573; Nov. 14.
Propeller balancing mechanism. R. K. Mueller. 2,362,842; Nov. 14.
Propeller mechanism. W. J. Blanchard and C. S. J. MacNeil. 2,362,444; Nov. 14.
Protective apparatus for highway crossings. J. W. Logan, Jr. 2,362,912; Nov. 14.
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Fuel injection pump. Rotary pump.
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Pump. H. E. Adams. 2,362,954; Nov. 14.
Pump impeller. J. Kuttner. 2,362,703; Nov. 14.
Pumping apparatus. J. T. Hayward. 2,362,750; Nov. 14.
Pusher. S. B. Martin. 2,362,494; Nov. 14.
Pyrotechnic compositions. G. J. Schladt. 2,362,502; Nov. 14.
Quick-acting clamp. O. V. Malmquist. 2,362,707; Nov. 14.
Radiator, Horn. M. Katzin. 2,362,561; Nov. 14.
Radio range. D. G. C. Luck. 2,362,651; Nov. 14.
Radio receiver system. P. C. Sandretto. 2,362,958; Nov. 14.
Railway traffic controlling apparatus. H. A. Thompson. 2,362,678; Nov. 14.
Razor blade, Safety. J. Muros. 2,362,498; Nov. 14.
Razor, Safety. W. L. Mills. 2,362,765; Nov. 14.
Razor, Safety. J. F. C. Przybysz. 2,362,851; Nov. 14.
Reagent for testing for acetone. A. Galat. 2,362,478; Nov. 14.
Record keeping apparatus. A. C. Whitmer. 2,362,788; Nov. 14.
Recordation of the path of movable bodies. J. V. Dunham. 2,362,473; Nov. 14.
Recording apparatus. K. Marrow and H. E. Dostalik. 2,362,758; Nov. 14.
Refractory material and making. O. Hutchins. 2,362,825; Nov. 14.
Refrigerating apparatus. H. B. Hull. 2,362,698; Nov. 14.
Refrigerating apparatus. N. J. Smith. 2,362,729; Nov. 14.
Register. S. Hilder. 2,362,633; Nov. 14.
Regulator set, Damper. M. H. Fossum. 2,362,623; Nov. 14.
Release, Overload. W. R. Spiller. 2,362,592; Nov. 14.
Remote-control apparatus employing polarized electromagnetic radiation. E. H. Land. 2,362,832; Nov. 14.
Removable tread block. K. B. Kilborn. 2,362,638; Nov. 14.
Resinous material, Production of a. R. F. B. Cox. 2,362,888; Nov. 14.
Reversible power control unit. R. G. Letourneau. 2,362,568; Nov. 14.
Rocker. J. Damsted. 2,362,685; Nov. 14.
Rotary engine. C. B. Hansen. 2,362,550; Nov. 14.
Rotary intaglio printing press. A. Weiss. 2,362,736; Nov. 14.
Rotary printing press. A. Weiss. 2,362,735; Nov. 14.
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Rotary seal assembly. W. T. Stephens. 2,362,854; Nov. 14.
Rubber, Antioxidant for. C. F. Gibbs. 2,362,479; Nov. 14.
Safety control, Automatic. A. Miller. 2,362,918; Nov. 14.
Scoop for aircraft. S. E. Heymann. 2,362,552; Nov. 14.
Screen: *See*—
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Seal for artificial respirators, Neck. L. Schlobohm and A. J. Farrar. 2,362,935; Nov. 14.
Section insulator. S. S. Matthes. 2,362,759; Nov. 14.
Sectional fireplace heater. A. B. Austin. 2,362,526; Nov. 14.
Selector switch. C. N. Hickman. 2,362,632; Nov. 14.
Selenium rectifier and making it. W. C. Ellis and A. G. Souden. 2,362,545; Nov. 14.
Serving machine, Strip. T. H. Krueger. 2,362,640; Nov. 14.
Serving machine, Strip. T. H. Krueger. 2,362,641; Nov. 14.
Sewing machine. B. T. Leveque. 2,362,646; Nov. 14.
Sharpener, Knife. J. J. Kilian. 2,362,699; Nov. 14.
Shears, Swinging. F. M. Spayd. 2,362,776; Nov. 14.
Sheet blank means, Master. L. A. Watkins. 2,362,952; Nov. 14.
Sheet metal container. F. J. O'Brien. 2,362,846; Nov. 14.
Sheet metal containers, Making. J. Haycock. 2,362,817; Nov. 14.
Shoe. R. F. Knight. 2,362,639; Nov. 14.
Shoe surfaces, Coating. C. H. Magurn. 2,362,574; Nov. 14.
Shoe tacking machine. W. Gleissner. 2,362,480; Nov. 14.
Shutter, Camera. C. C. Fuerst. 2,362,546; Nov. 14.
Shutter curtain mechanism, particularly for aerial cameras. A. H. Gorey, L. D. Nadel, and E. S. Hineline. 2,362,815; Nov. 14.
Shutter, Diaphragm. C. C. Fuerst. 2,362,547; Nov. 14.
Side tracking apparatus. G. J. Barrett and S. Robichaux. 2,362,529; Nov. 14.
Signal: *See*—
Natural colors floating signal.
Signal apparatus. F. W. Gehring. 2,362,897; Nov. 14.
Signal transmission system. G. W. Gilman. 2,362,898; Nov. 14.
Slack or cuttings removing device for kerf-cutting machines. W. T. McCullough. 2,362,837; Nov. 14.

Sleeve valve engine. H. C. Kirtland and K. L. Hulsing. 2,362,700; Nov. 14.
Slide projector. R. W. Wengel. 2,362,601; Nov. 14.
Sluicing device for corpuscular ray apparatus. F. Weigend. 2,362,515; Nov. 14.
Slush pump. A. A. Ashton. 2,362,525; Nov. 14.
Smoker's pipe. M. S. Dunkelberger. 2,362,891; Nov. 14.
Solder. G. Durst. 2,362,893; Nov. 14.
Solvents for organic film-forming materials. W. Reppe, O. Hecht, and F. Oschatz. 2,362,858; Nov. 14.
Sorting and assembly system. D. Weinberg. 2,362,683; Nov. 14.
Sound recording and reproducing system, Continuous. H. P. Clausen. 2,362,803; Nov. 14.
Spirit device. L. T. Weagle. 2,362,872; Nov. 14.
Splint, Universal. C. B. Ulrich. 2,362,866; Nov. 14.
Spray control, Coating. H. L. Porch. 2,362,926; Nov. 14.
Spray gun. R. A. Larson. 2,362,834; Nov. 14.
Spraying apparatus. W. M. Houghton. 2,362,634; Nov. 14.
Spring construction. C. G. Joyce. 2,362,560; Nov. 14.
Spring suspension, Torsion rod. A. F. Hickman. 2,362,483; Nov. 14.
Stereo-disparator. S. Renshaw. 2,362,857; Nov. 14.
Sterol-containing substrates, Treatment of. L. Yoder. 2,362,605; Nov. 14.
Sterol derivatives. Stable. H. R. Rosenberg and H. F. Carroll. 2,362,932; Nov. 14.
Stoker. C. C. Wright. 2,362,604; Nov. 14.
Stop means for textile machines. L. W. Griffis. 2,362,956; Nov. 14.
Stop mechanism for can conveyers. H. D. Ayars. 2,362,792; Nov. 14.
Stripper, Ingot. O. Hively. 2,362,696; Nov. 14.
Stylus holder. W. T. Pearson. 2,362,582; Nov. 14.
Sub station protector. R. M. Schultz. 2,362,936; Nov. 14.
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Automotive accessory support. Dump truck body support.
Bearing support. Metal arch support.
Surgical bone clamp. G. S. Hackett. 2,362,957; Nov. 14.
Suspension member. E. M. Armstrong, Jr., and R. K. Cutter. 2,362,523; Nov. 14.
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Diaphragm switch. Electrical switch.
Direction signal switch. Selector switch.
Electric switch.
Switch system, Crossbar. T. L. Bowser. 2,362,448; Nov. 14.
Switching mechanism. H. C. Harrison. 2,362,551; Nov. 14.
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Tank construction, Tapered. A. F. Meyer. 2,362,658; Nov. 14.
Tank manufacture, Curved and tapered. A. F. Meyer. 2,362,657; Nov. 14.
Target, Sectional. C. A. Waldmann. 2,362,513; Nov. 14.
Telemetric system. J. C. Peters and I. M. Stein. 2,362,661; Nov. 14.
Telephone system. R. C. Davis and W. H. Matthies. 2,362,619; Nov. 14.
Tensiometer. H. D. Giffen. 2,362,626; Nov. 14.
Tester, Condenser. M. W. Gaiser. 2,362,691; Nov. 14.
Textile materials, Improving the fastness to washing of dyed cellulosic. J. H. MacGregor. 2,362,915; Nov. 14.
Therapeutic substances. J. R. Stevens and R. H. Beutel. 2,362,508; Nov. 14.
Thermal relay for starting fluorescent lamps. C. H. Hodgkins. 2,362,820; Nov. 14.
Thrust bearing. H. F. Schmidt. 2,362,667; Nov. 14.
Timer for toasters and the like. A. J. Huck. 2,362,751–3; Nov. 14.
Tire or rim, Wheel. H. W. Reid. 2,362,584; Nov. 14.
Tire pressure indicating system. W. E. Cecil. 2,362,883; Nov. 14.
Toluene, Sulphonation of. W. B. Brown. 2,362,612; Nov. 14.
Tool: *See*—
Abrasive tool. Portable tool.
Carbon removing tool. Wood-turning tool.
Tool. G. Stevens. 2,362,779; Nov. 14.
Top, Collapsible. E. G. Simpson. 2,362,939; Nov. 14.
Track for handling pig metal. C. Gall and F. J. Prucha. 2,362,749; Nov. 14.
Trisazo-dyestuffs. J. Gyr and R. Gunst. 2,362,548; Nov. 14.
Troweling machine, Cement. W. H. Lewis. 2,362,490; Nov. 14.
Truck, Material transport. J. F. Joy. 2,362,636; Nov. 14.
Tube: *See*—
Cathode ray tube.
Tube cooler, Rotary water-cooled. R. D. Cheesman. 2,362,539; Nov. 14.
Tubes for heat exchange devices, Manufacturing. W. P. Hill. 2,362,694; Nov. 14.
Tuning mechanism. L. J. Fichter and B. A. Schwarz. 2,362,690; Nov. 14.
Turbines, Starting combustion. F. Nettel. 2,362,714; Nov. 14.
Turning machine. C. A. Bollwerk. 2,362,533; Nov. 14.
Unreeling device. H. W. Moore. 2,362,920; Nov. 14.
V-belt fastener. C. W. Tingley and W. P. Reilly. 2,362,949; Nov. 14.
V-belts and the like, Method and apparatus for curing. N. W. Miller. 2,362,659; Nov. 14.
Valve: *See*—
Flow control valve. Insecticide spray head valve.
Hydraulic control valve.
Valve. J. F. Schwan and C. F. Pierson. 2,362,671; Nov. 14.
Valve for hydraulic systems, Control. W. T. Stephens. 2,362,944; Nov. 14.
Valve mechanism for high-speed steam engines. H. E. Culbertson. 2,362,744; Nov. 14.
Valve structure, Balanced. C. A. Frische. 2,362,476; Nov. 14.
Vehicle cab. D. L. Cosper. 2,362,453; Nov. 14.
Veneer edge preparing apparatus. W. C. Bailey and C. M. Adams. 2,362,527; Nov. 14.
Vessels, Making. A. R. Eckberg. 2,362,544; Nov. 14.
Voltage stabilizer, Electronic. L. G. Parratt and J. W. Trischka. 2,362,769; Nov. 14.
Volume control, Automatic air. A. P. Ruth. 2,362,586; Nov. 14.
Walker and rejuvenator for physically disabled persons. F. E. Carter. 2,362,466; Nov. 14.
Washing machine and method. G. W. Wardwell, Jr. 2,362,871; Nov. 14.
Waterer, Hog. J. P. Eischens. 2,362,620; Nov. 14.
Welding. E. A. Smith. 2,362,505; Nov. 14.
Wetting-out compositions. A. K. Epstein and M. Katzman. 2,362,894. Nov. 14.
Wheel: *See*—
Clock balance wheel.
Wheel blade construction, Blower. W. L. Upson. 2,362,868; Nov. 14.
Windshield construction. L. H. Brown. 2,362,611; Nov. 14.
Winding machine. E. J. Abbott and W. L. Perry. 2,362,455; Nov. 14.
Winding machine. W. T. Stearn and F. W. Schulte. 2,362,506; Nov. 14.
Window construction of awning type. A. H. Soule. 2,362,730; Nov. 14.
Wing for aircraft, Rotary. R. Cox, Jr. 2,362,804; Nov. 14.
Wiring device. G. B. Benander. 2,362,794; Nov. 14.
Wood-turning tool. S. A. Moore. 2,362,711; Nov. 14.
Work holder for lapping devices. A. M. Drake. 2,362,543; Nov. 14.
Wrench: *See*—
Impact wrench.

CLASSIFICATION OF PATENTS

ISSUED NOVEMBER 14, 1944

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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CLASSIFICATION OF DESIGNS

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Reissues	8	No. 22,561 to No.	22,568,	inclusive.
Patents	511	No. 2,362,964 to No.	2,363,474,	inclusive.
Designs	52	No. 139,458 to No.	139,509,	inclusive.
Total	808			

Foreign Patents

Received in Scientific Library as of Oct. 31, 1944
(Correction to list of June 30)

Australia, up to No. 118,732, received Oct. 23, 1944.
Great Britain, up to No. 564,056, received Oct. 27, 1944.
India, up to No. 30,523, received Sept. 18, 1944.
(last 1,000 very incomplete)

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective parties were not the first inventors with respect to the claims listed:

Pat. 2,291,660, P. L. Spencer, Stem for electrical space discharge devices, decided August 30, 1944, claims 1 and 2.

Pat. 2,313,281, E. H. Taylor, Thermal circuit interrupter, decided September 2, 1944, claims 10, 11, 13, and 14.

Disclaimers

2,304,779.—*Frank W. Curtis*, Springfield, Mass. TOOL-HEAD UNIT. Patent dated December 15, 1942. Disclaimer filed October 30, 1944, by the assignee, *Van Norman Company*.

Hereby enters this disclaimer to claims 1, 2, 5, and 6 of said patent.

2,319,634.—*Doran E. Sauser*, Cuyahoga Falls, Ohio. SOFTENER FOR SYNTHETIC RUBBER. Patent dated May 18, 1943. Disclaimer filed October 25, 1944, by the assignee, *The B. F. Goodrich Company*.

Hereby enters this disclaimer to claim 5 of said patent.

2,329,167.—*George K. Viall* and *Louis G. Hilkemeier*, Milwaukee, Wis. CONCRETE MIXER. Patent dated September 7, 1943. Disclaimer filed October 23, 1944, by the assignee, *Chain Belt Company*.

Hereby enters this disclaimer to claims 8 and 9 in said specification.

Drawings

RULE 38

38. When there are drawings, the description will refer to the different views by figures and to the different parts by letters or numerals (preferably the latter).

RULE 52—EXTRACT

(f) The different views should be consecutively numbered. Letters and figures of reference must be carefully formed. They should, if possible, measure at least one-eighth of an inch in height, so that they may bear reduction to one twenty-fourth of an inch; and they may be much larger when there is sufficient room. They must be so placed in the closed and complex parts of drawings as not to interfere with a thorough comprehension of the same, and therefore should rarely cross or mingle with the lines. When necessarily grouped around a certain part, they should be placed at a little distance, where there is available space, and connected by short lines with the parts to which they refer and by short broken lines when the number or letters refer to parts shown in dotted lines. They should not be placed upon shaded surfaces, and when it is difficult to avoid this, a blank space must be left in the shading where the letter occurs, so that it shall appear perfectly distinct and separate from the work. If the same part of an invention appears in more than one view of the drawing it must always be represented by the same character, and the same character must never be used to designate different parts.

It is suggested that numerals or letters be used without exponents.

Condition of Applications Under Examination at Close of Business November 4, 1944

(Total number of applications awaiting action, excluding Trade-Mark Division, 52,156; Trade-Mark Division, 1,602. Oldest new case, Dec. 8, 1943; oldest amended, Oct. 2, 1943.)
(The dates given are 1944 except where † indicates 1943)

Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
1. Tucker, M. W., Food Apparatus; Closure Operators; Fences; Gates; Planters: Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	May 1	June 17	568
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	Feb. 15	Mar. 13	728
3. WOLFFE, S., Metal Founding; Metallurgy; Metal Treatment; Compositions (part)	Mar. 23	Mar. 31	1117
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Pneumatic Dispatch; Store Service; Mining, Quarrying and Ice Harvesting.	Apr. 10	June 15	535
5. ROBINSON, C. W., Glass; Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps.	Jan. 7	Jan. 1	1398
6. GENIESSE, E. W., Carbon Chemistry (part)	Mar. 29	Apr. 29	1191
7. JARBOE, C. G., Optics, Photography	June 19	July 8	762
8. IMUS, A. E., Furniture; Kitchen and Table Articles; Locks and Cabinets	June 9	May 25	689
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	Mar. 28	Apr. 24	856
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	June 14	June 16	351
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Clutches and Power Stop Control	Jan. 6	Jan. 13	1176
13. BEALL, T. E., Gear Cutting, Milling, Planing; Metal Working (part); Needle and Pin Making; Turning.	May 29	May 26	535
14. HANLIN, GEORGE, Metal Working (part); Farriery; Wire Fabrics	May 6	May 8	749
15. HENKIN, BENJ., Natural Resins, Rubber (part); Proteins, Carbohydrates and Derivatives; Plastics	May 1	May 2	719
16. SPENCER, C. J., Telegraphy; Telephony	May 10	May 6	544
17. HABECKER, LEON B., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Jan. 19	Jan. 21	561
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	†Dec. 8	†Dec. 9	933
19. PATRICK, F. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	Apr. 12	Mar. 16	661
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part); Bank Protection; Safes.	May 13	June 16	542
21. THOMPSON, T. J., Textiles	Apr. 13	May 6	471
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance	Mar. 21	Mar. 20	1235
23. BARROWS, B., Cash Registers; Calculators (part)	Feb. 22	Jan. 27	148
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines	July 20	July 11	464
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	Apr. 10	Mar. 8	780
26. YOUNG, R. R., Electricity—Generation and Motive Power	Jan. 22	Jan. 27	914
27. CLARK, W. N., Brush, Broom, and Mop Making; Brushing, Scrubbing and General Cleaning; Cleaning and Liquid Contact with Solids; Textiles, Fluid Treating Apparatus; Ironing; Washing Apparatus.	Apr. 17	Feb. 28	616
28. SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders, Pistons.	Feb. 26	Feb. 1	840
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Package and Article Carriers; Woodworking; Tools; Metal Working, Assembling.	Apr. 22	Apr. 13	921
30. McCANN, LEO P., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	Feb. 16	Feb. 22	1055
31. DUNCOMBE, C. S., Hydrocarbons; Mineral Oils	May 26	June 1	1002
32. LESH, K., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	June 2	May 17	774
33. HULL, J. S., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements; Plastic Block and Earthenware Apparatus.	July 8	July 3	705
34. SAPERSTEIN, S., Electricity—Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators.	Apr. 18	May 15	471
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	Apr. 24	Apr. 24	696
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	Mar. 20	Apr. 4	550
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	†Dec. 24	Feb. 21	844
38. KRAFFT, C. F., Coating Processes; Coating or Plastic Compositions (part); Rubber (part)	Mar. 14	Mar. 14	679
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	Apr. 26	Apr. 27	779
40. DRUMMOND, E. J., Receptacles (part); Packages	May 25	June 10	780
41. HERTZ, M., Coin Handling; Recorders; Deposit Receptacles; Counters and Calculators (part); Typewriting Machines; Check-Controlled Apparatus.	Feb. 3	Feb. 3	390
42. MARANS, H., Electric Signaling; Electricity, Galvanometers and Meters	May 27	May 23	559
43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	Apr. 8	Apr. 24	740
44. HARVEY, L. P., Refrigeration; Preserving	†Dec. 29	†Dec. 30	502
45. HILL, H. D., Shafting and Flexible Shaft Couplings; Wheels, Tires, Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part); Spring, Weight and Horsepower Motors.	Mar. 7	Apr. 8	1202
46. BLEECKER, V. E., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Coating Apparatus.	Jan. 26	Jan. 26	563
47. KANOF, WM. J., Brakes; Boring and Drilling; Motor Vehicles; Land Vehicles (part)	June 10	May 29	848
48. ROEPKE, O. B., Electricity, General Applications; Electric Igniters	Apr. 5	Apr. 6	832
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	Apr. 22	Apr. 24	583
50. LEVIN, SAMUEL, Synthetic Resins	Apr. 12	Apr. 19	1387
51. CROCKER, A. W., Radiant Energy, Multiplex Telephony, Modulators	Mar. 21	Mar. 20	1475
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits; Ornamentation.	Apr. 12	Mar. 23	1046
53. PECK, M. K., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	May 18	†Dec. 10	668
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	Jan. 1	Oct. 2	1011
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Laminated Fabrics (part)	Apr. 13	Mar. 10	566
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making	Mar. 15	Mar. 20	881
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	†Dec. 22	Feb. 22	861
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements	May 11	Apr. 8	688
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds	Feb. 19	Feb. 17	1482
60. GLASS, R. L., Electricity-Heating; Welding; Furnaces; Batteries and Their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	Jan. 20	Jan. 20	960
61. YUNG KWAI, B., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Boats, Buoys and Ships.	May 11	June 14	671
62. PUGH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors	Apr. 17	Apr. 17	1194
63. WINKELSTEIN, A. H., Poisons; Fermentation; Foods and Beverages; Oils and Fats	Mar. 2	Mar. 22	1028
64. NASH, P. M., Acetylene; Gas Mixers; Compositions (part); Fuel	June 28	June 10	857
65. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays (e. g., Amplifiers).	Feb. 7	Feb. 7	1047
Trade-Marks: RICHMOND, F. A.	Aug. 25	Sept. 25	1602
Designs: KALUPY, H. H.	Sept. 16	Oct. 3	776

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

WECO PRODUCTS COMPANY *v.* MILTON RAY COMPANY

No. 4,880. Decided June 26, 1944

[143 F.(2d) 985; 62 U. S. P. Q. 312]

1. TRADE-MARKS—CONFUSING SIMILARITY.

The mark "VRAY," written horizontally and mostly in script, upon which appellant applied for registration as a trade-mark for dentifrices *Held* confusingly similar to a mark used by appellee for identical goods and consisting of the term "DR. RAY" in script superimposed upon a black and white target at an oblique angle.

2. SAME—SAME—DOMINANT PORTION.

"In calling for the articles when purchased, and in advertising the same, the term 'Dr. Ray' is the outstanding feature which would indicate the particular goods wanted. When appellant adopts a mark confusingly similar to that feature of appellee's mark which, more than any other feature, is calculated to indicate the origin of the goods upon which it is used, it promotes the probability of confusion to the purchasing public."

3. SAME—SAME—DISSECTION OF MARKS.

"While, in determining the similarity or lack of similarity between marks, courts should view the marks as a whole, it is well-settled that this principle of trade-mark law does not bar a separate consideration of the different features of a mark in determining the importance to be attached thereto."

APPEAL from the Patent Office. Affirmed.

Messrs. Edward S. Rogers, William T. Woodson, James H. Rogers and *Thomas L. Mead, Jr.*, for Weco Products Company.

Mr. A. W. Murray for Milton Ray Company.

BLAND, *J.*:

Appellant-applicant applied in the United States Patent Office for registration of its trade-mark "VRAY" for dentifrices. Appellee opposed the registration, showing prior use of the term "DR. RAY," written in slanting script across the representation of a black and white target, for goods some of which were identical—dentifrices.

The Examiner of Trade-Mark Interferences sustained the opposition and adjudged that the appellant was not entitled to registration of its mark; and upon appeal to the Commissioner of Patents, the Examiner's decision was affirmed. 56 U. S. P. Q. 236. Appellant has here appealed from the decision of the Commissioner.

It appears from the record that in 1929 V. Vivaudou, Inc., registered the trade-mark "VRAI" (French for "true") for goods similar to those involved here, which mark was assigned to appellant on July 11, 1940. In August 1940 appellant began use, in interstate commerce, of its mark "VRAY" upon dentifrices.

With reference to the mark "VRAI" the Examiner had the following to say:

It is noted that applicant produced evidence relating to a purported assignment of the mark "Vrai" by V. Vivaudou, Inc. While applicant filed notice under Patent Rule 154(*e*) that it would rely on the registration of the mark purportedly assigned, a copy of such registration has not been introduced. Further, such assignment was not alleged in the answer and applicant has made no contentions as to prior use on the strength thereof in its brief or argument. Aside from this lack of reliance on these proofs, the testimony indicates that V. Vivaudou, Inc. did not sell or transfer any tangible property, any lists of customers, formulas, or business at the time of the purported assignment. Accordingly, the assignment is considered to constitute an abandonment of the mark, and any use thereof by the V. Vivaudou company is deemed not to inure to applicant's benefit. *The Penetrine Corp.* v. *Plough, Inc.*, 532 O. G. 512; 121 F.(2d) 539; 28 C. C. P. A. 1307.

In appellant's reasons of appeal the subject-matter of the above-quoted portion of the Examiner's decision is not mentioned, and the Commissioner gave no consideration to it. Therefore, we shall not consider it.

Appellant also here attempts to raise the question of unclean hands on the part of appellee, contending in substance that the term "DR. RAY" is a misrepresentation, since no doctor is connected with appellee's business. This question, according to the record, was not presented to the Commissioner and is not referred to in the reasons of appeal in this court. We accordingly give it no consideration.

[1][2] The issues seem to be confined to the questions of similarity of the marks and questions ancillary thereto, and the character of the goods upon which they are used. Some of the goods of the respective parties are identical. While there is a difference in appearance between the mark "VRAY" and the "DR. RAY" mark—the term "Dr. Ray" being superimposed on a target, the word "Ray" in appellees mark is also found in its entirety in the mark of appellant, although the "r" is not there capitalized. The two marks are quite similar in sound. It is our view that they are so similar, in a trade-mark sense, as to give rise to a reasonable probability of confusion resulting from the concurrent use of the marks upon the goods of the respective parties.

Appellant has strongly emphasized, in its main contention relating to the similarity of the marks, the well-known rule that marks should be considered in their entireties and not dissected. Appellant points out that the "DR. RAY" mark consists of the term "Dr. Ray" in script superimposed upon a black and white target at an oblique angle, whereas the "VRAY" mark, although mostly in script, is written horizontally, without being accompanied with or superimposed upon any other indicia. From these facts it is argued that there is little similarity in appearance between the marks, which makes the likelihood of confusion improbable. It is sufficient to say, in answer to this contention, that in calling for the articles when purchased, and in advertising the same, the term "Dr. Ray" is the outstanding feature which would indicate the particular goods wanted. When appellant adopts a mark confusingly similar to that feature of appellee's mark which, more than any other feature, is calculated to indicate the origin of the goods upon which it is used, it promotes the probability of confusion to the purchasing public.

[3] While, in determining the similarity or lack

of similarity between marks, courts should view the marks as a whole, it is well-settled that this principle of trade-mark law does not bar a separate consideration of the different features of a mark in determining the importance to be attached thereto. See *Franco-Italian Packing Corp.* v. *Van Camp Sea Food Co. Inc.*, 31 C. C. P. A. (Patents) —, — F.(2d)—, 61 U. S. P. Q. 369, 565 O. G. 341, and cases therein cited.

This court and other courts, in cases somewhat similar to the one at bar, in respects with which we are just now concerned, have frequently pointed out that there is no such poverty in the English language or paucity of signs, symbols, numerals, etc., as to justify one who really wishes to distinguish his product from those of all others in entering the twilight zone of a field already appropriated by another. *Van Camp Sea Food Co. (Inc.)* v. *The Alexander B. Stewart Organizations*, 18 C. C. P. A. (Patent) 1415, 50 F.(2d) 976, 9 U. S. P. Q. 541, 412 O. G. 274; cf. *Steinreich* v. *The Coca Cola Co.*, 21 C. C. P. A. (Patents) 722, 67 F.(2d) 498, 19 U. S. P. Q. 288, 438 O. G. 529; *Elgin American Manufacturing Co.* v. *Elizabeth Arden, Inc.*, 23 C. C. P. A. (Patents) 1153, 83 F.(2d) 681, 29 U. S. P. Q. 539, 472 O. G. 4.

Appellant urges one other point, to the effect that its mark "VRAY" is associated with, and used in connection with, the name "Dr. West's," and that this should have been given consideration in connection with the determination of the likelihood of confusion. It is too obvious to require extended discussion that this argument is without merit. Appellant's practice in this regard would be subject to change. *Parke, Davis & Co.* v. *G. F. Harvey Co.*, 31 C. C. P. A. (Patents) —, 141 F.(2d) 132, 60 U. S. P. Q. 572, 562 O. G. 518; *The William S Merrell Co.* v. *The Anacin Co.*, 27 C. C. P A. (Patents) 847, 109 F.(2d) 339, 44 U. S. P. Q. 366, 516 O. G. 3; *Malone* v. *Horowitz*, 17 C. C. P. A. (Patents) 1252, 41 F.(2d) 414, 5 U. S. P. Q. 157, 399 O. G. 416.

We conclude that the tribunals below arrived at the right conclusion, and the decision of the Commissioner is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

CAMPBELL PRODUCTS, INC.,

v.

JOHN WYETH & BRO., INC.

No. 4,905. Decided June 26, 1944

[143 F.(2d) 977; 62 U. S. P. Q. 302]

1. TRADE-MARKS—GOODS OF THE SAME DESCRIPTIVE PROPERTIES.

Mouth-administered, nonpoisonous, collodial aluminum-hydroxide fortified with homatropinemethylbromide, used for the treatment of peptic-ulcer and gastric hyperchlorhydria, to which appellant applies the trade-mark "ALUTROPIN" *Held* to be goods of the same descriptive properties as the poisonous, externally-applied lotion, used for the treatment of the skin disease, impetigo contagiosa, to which appellee applies the registered trade-mark "ALULOTION."

2. SAME—CONFUSING SIMILARITY.

As used upon goods of the same descriptive properties, the trade-marks "ALUTROPIN" and "ALULOTION" *Held* to be confusingly similar.

3. SAME—SAME—ETHICAL GOODS.

"Where ethical goods are sold and careless use is dangerous, greater care should be taken in the use and registration of trade-marks to assure that no harmful confusion results."

APPEAL from the Patent Office. Affirmed.

Mr. Walter M. Fuller and *Mr. E. W. Shepard* for Campbell Products, Inc.

Mr. Thomas L. Mead, Jr., for John Wyeth & Bro., Inc.

BLAND, *J.*:

This is a United States Patent Office trade-mark opposition appeal. The appellant-applicant applied in the Patent Office for registration of the trade-mark "ALUTROPIN." Appellee-opposer filed notice of opposition to the registration of said mark, basing its opposition upon the prior use and registration of its trade-mark "ALULOTION." Priority of use by appellee is not disputed. Concerning appellant's mark, we quote the following from appellant's brief:

> Beginning in March, 1941, the appellant-applicant, Campbell Products, Inc., after extended investigation as to its merits by the Department of Therapeutics, New York University, College of Medicine and in the wards of Belleview Hospital, New York city * * * first marketed its trade-marked product "ALUTROPIN," in accordance with its invariable custom, as an ethical preparation solely through the medical profession * * *.
>
> Such medicinal product is a month-administered, nonpoisonous, collodial aluminum-hydroxide fortified with another of the applicant's trade-marked products "NOVATROPINE" (homatropinemethylbromide) for the treatment of peptic-ulcer and gastric hyperchlorhydria (hyperacidity), and it has been supplied in tall, 12-ounce, clear-glass, rectangular bottles bearing gray-and-blue labels describing the product and displaying in addition the following: "Warning: Use cautiously if dryness of the throat occurs: discontinue if rapid pulse or blurring of vision appears." "Caution: To be used only on the prescription of a physician." "Shake Well." * * *
>
> Such long, narrow, substantially-rectangular labels * * * state no dosage or frequency of use because it is essential, for safety and for the preservation of the established good reputation of the applicant's product, that these be determined by the physician, depending upon the condition of the patient, and specified in his required written prescription.

Opposer's registered mark is the word "ALULOTION." It is pointed out by appellant that appellee's trade-marked product is a "poisonous, externally-applied lotion for the treatment of that repulsive, highly-contagious, skin-disease IMPETIGO CONTAGIOSA * * *", and appellant states (the record is silent on the point) that in order to comply with the requirements of the Federal Food, Drug and Cosmetic Act, since the main ingredient of the product is poisonous mercury, appellee is required to state also, in connection with its mark, the following (which appears in the same size letters as the mark): "AMMONIATED MERCURY WITH KAOLIN." Appellee's goods are sold upon physicians' prescriptions in a short, small, 3-ounce blue bottle, which does not disclose the exact color of its contents but makes the contents have the appearance of being milky and slightly darker than the product of appellant. The label on appellee's bottle is oval-shaped. Near the top the word "Wyeth's" appears in script. Below that is the word "ALULOTION," with the notation "Reg. U. S. Pat. Off." in very small type. The latter notation is followed by the words "AMMONIATED MERCURY WITH KAOLIN" in the same size type as the trade-mark. The label then points out the ingredients—ammoniated mercury 5%, Kaolin 15%, and aluminum hydroxide 2.3%. Then appears the statement, "POISON—EXTERNAL USE". There are other instructions as to use, and the injunction to shake well and to be used only on the prescription of a physician. Appellant states that appellee's lotion is used on the skin after removal of the scabs resulting from the disease.

The Examiner of Trade-Mark Interferences held that there was no reasonable likelihood of confusion, dismissed the notice of opposition, and further adjudged that the appellant was entitled to register its mark. He had the following to say:

> These goods of the parties, while they are believed to possess the same descriptive properties, are thus specifically different medicinal preparations, and, other than that they contain an aluminum compound as a common ingredient, the differences therebetween in composition correspond to the wide differences in the respective essential properties and uses.
>
> The marks "Alutropin" and "Alulotion" here involved contain obvious resemblances. The terminal portions "Tropin" and "Lotion" constituting the major portions thereof, however, are quite different in significance and serve also to emphasize the differences in the properties and uses of the goods. When these differences in marks are viewed together with those present in the goods to which they are affixed, the Examiner is persuaded that the marks may be concurrently used in trade without reasonable likelihood of confusion. Particularly so, since it is to be expected that products of this type will be sold under conditions which will greatly minimize any possibility of confusion or mistake. * * *

Upon appeal, the First Assistant Commissioner of Patents (acting for the Commissioner) reversed the decision of the Examiner of Trade-Mark Interferences, held that the goods of the parties were of the same descriptive properties and that the trade-marks were confusingly similar, and sustained the opposition. 56 U. S. P. Q. 469. From the decision of the Commissioner, appellant has here appealed.

Appellant argues that, by reason of the differences between the packages, labels, and use of the merchandise, as well as for other considerations presently stated, there is no likelihood of confusion flowing from the concurrent use of the two marks on the respective goods, and that the decision of the Commissioner should be reversed. Appellant further argues that since the goods of both parties are used only on physicians' prescriptions (thus assuring less likelihood of confusion than otherwise); that since appellee must put on its label in large letters the phrase "Ammoniated Mercury with Kaolin"; that since the medicines are used for wholly different purposes, one internal and the other external; that since the goods are packaged differently (as before stated); that since there is no competition between the two medicines; that since one could not be used for the treatment of the diseases for which the other is recommended; that since the meanings of the words "Alulotion" and "Alutropin" are wholly different; and that since appellee has no monopoly on the term "lotion" and was not the originator of the syllable "Alu" (which is supposed to signify alumina) in connection with a trade-mark, there is no probability of any confusion resulting.

[1][2][3] We are in agreement with the holding of the Commissioner. It is too obvious to require discussion here that the marks "ALULOTION" and "ALUTROPIN" are quite similar in sound and appearance, and that the goods are of the same descriptive properties within the meaning of the Trade-Mark Act. The prefix "Alu" in both marks evidently refers to an ingredient common to both products. While they are both sold on physicians' prescriptions, and while appellee's product (according to appellant's statement) is required, under the Federal Food, Drug and Cosmetic Act, to be sold with certain printed matter on the label, it does not necessarily follow that these conditions may continue to prevail. See *The William S. Merrell Co.* v. *The Anacin Co.*, 27 C. C. P. A. (Patents) 847, 109 F.(2d) 339, 44 U. S. P. Q. 366, 516 O. G. 3. Moreover, it seems to us that where ethical goods are sold and careless use is dangerous, greater care should be taken in the use and registration of trade-marks to assure that no harmful confusion results. The shape of the bottles in which the preparations are sold and the color, shape, and other features of the labels, etc., are subject to change. Since they are both sold from the same shelves in the drug stores, it is our view that the Commissioner was correct in concluding that the goods of the parties are of the same descriptive properties and that the trade-marks are confusingly similar.

Appellant relies largely upon a case decided by the Sixth Circuit Court of Appeals, *Solventol Chemical Products, Inc.*, v. *Langfield*, 134 F.(2d) 899, 57 U. S. P. Q. 210, where "SOLVENTOL" was allowed registration over "SOLVITE," the court holding that both marks being highly suggestive, other persons likewise had the right to use suggestive marks for similar goods. It stated that the marks "look unlike, are spelled differently and are phonetically dissimilar." Attention was called to the fact that neither of the marks in question was arbitrary or fanciful. It was also pointed out that there was some difference in the descriptive properties of the goods. The merchandise of one party was a cleaning preparation which, when mixed with gasoline, was used for cleaning garments, draperies, etc., while the merchandise of the other party was used for cleaning floors and walls.

It is obvious that considerations which there influenced the court are not present here, and the case is not authority supporting the contentions of appellant here. Moreover, this court in *Langfield* v. *Brady*, 26 C. C. P. A. (Patents) 908, 101 F.(2d) 530, 40 U. S. P. Q. 477, 505 O. G. 236, which involved the marks "SOLVOLINE" and "SOLVITE," held that the marks were confusingly similar and that the goods of the respective parties (a dry-cleaning fluid and a dry-cleaning soap) were of the same descriptive properties and denied registration of the mark "SOLVOLINE." And in *Lang-*

field v. *Solvit-All Corporation*, 18 C. C. P. A. (Patents) 1313, 49 F.(2d) 480, 9 U. S. P. Q. 216, 411 O. G. 819, where the marks were "SOLVIT-ALL" and "SOLVITE" and the goods, respectively, were sanitary solvents for cleaning toilet bowls and similar articles, and a cleaning preparation for garments, draperies, etc., our holding was substantially the same as in *Langfield* v. *Brady*, supra.

For reasons which are obvious and need not be discussed here, the cases relied upon in the decision of the Examiner of Trade-Mark Interferences are not controlling.

We think the case to which appellee has called our attention—*Guggenheim* v. *Cantrell & Cochrane, Ltd.*, 56 App. D. C. 100, 10 F.(2d) 895, 352 O. G. 533—is quite pertinent. In that case Mr. Justice Robb, speaking for the court, said:

> In this court it has been repeatedly declared that there is neither legal nor moral excuse for even an approximate simulation of a well-known mark applied to goods of the same descriptive properties, and that, when an attempt to effect such simulation becomes apparent, the two marks should not be examined with a microscope to detect minute differences, but, on the contrary, should be viewed as a whole, as the general public would view them; in other words, that the points of similarity are of greater importance than the points of difference. * * *

It seems to us that the following cases are in point, although it has many times been said that the decision in cases like that at bar is rarely controlled by decisions in other cases, since the facts almost invariably differ, and each case must rest on its own bottom: *Parke, Davis & Co.* v. *G. F. Harvey Co.*, 31 C. C. P. A. (Patents) —, 141 F.(2d) 132, 60 U. S. P. Q. 572, 562 O. G. 518; *McKesson & Robbins, Inc, Etc.*, v. *Leonard James Co.*, 29 C. C. P. A. (Patents) 1137, 129 F.(2d) 563, 54 U. S. P. Q. 207, 544 O. G. 459; *Lever Brothers Co.* v. *The Sitroux Co.*, 27 C. C. P. A. (Patents) 858, 109 F.(2d) 445, 44 U. S. P. Q. 357, 516 O. G. 539; *The William S. Merrell Co.* v. *The Anacin Co.*, supra; *Kotex Co.* v. *McArthur*, 18 C. C. P. A. (Patents) 787, 45 F.(2d) 256, 7 U. S. P. Q. 284, 404 O. G. 4; and *Malone* v. *Horowitz*, 17 C. C. P. A. (Patents) 1252, 41 F.(2d) 414, 5 U. S. P. Q. 157, 399 O. G. 416.

We think that the Commissioner arrived at the right conclusion, and his decision is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

PINKERTON ET AL.

v.

STAHLY ET AL.

No. 4,912. Decided June 26, 1944. Petition for rehearing denied October 2, 1944

[— F.(2d) —; 63 U. S. P. Q. 83]

1. INTERFERENCE—RULE 130.
   In satisfying the requirements of rule 130, opposition to a motion to amend the issue of an interference by adding a count *Held* equivalent to a motion to dissolve the interference.
2. SAME—JOINT INVENTION.
   Pinkerton and Mendius, the junior party, *Held* not entitled to the benefit of the filing date of a sole application of Pinkerton, as a joint conception date.
3. SAME—PRIORITY.
   Record reviewed and *Held* that Stahly and Hattox, the senior party, have the right to make the count on appeal; that Pinkerton and Mendius, the junior party, had not established joint conception of the process defined by that count; and that priority properly was awarded to Stahly and Hattox.
4. APPEAL—DIMINUTION OF RECORD—COSTS.
   "A writ of certiorari was issued by this court upon application duly made by appellees to correct diminution of the record. The added portion consists of approximately four pages of printed matter, covering the subject of an affidavit filed by Pinkerton under rule 75, which we think was material to the decision of the case, and the cost for printing the same is therefore taxed against the appellants."

APPEAL from the Patent Office. Affirmed.

Messrs. Pennie, Davis, Marvin & Edmonds (*Mr. Louis D. Forward*, *Mr. Clarence M. Fisher* and *Mr. Raymond F. Adams* of counsel) for Pinkerton et al.

Mr. George J. Silhavy (*Mr. W. E. Currie*, *Mr. P. L. Young* and *Mr. W. F. Weigester* of counsel) for Stahly et al.

BLAND, *J.*:

Pinkerton and Mendius, the junior party, have here appealed from a decision of the Board of Interference Examiners of the United States Patent Office in an interference proceeding, awarding to Stahly and Hattox, the senior party, priority of the invention defined in count 2 (the only count at issue here). The interference is between appellants' Patent No. 2,233,144, granted February 25, 1941, on an application filed October 19, 1939, and appellees' application, Serial No. 248,423, filed December 30, 1938. Appellants being the junior party, the burden was upon them to prove priority by a preponderance of the evidence.

The invention, for the most part, can be understood from a reading of the count involved. It relates to catalytic alkylation for the production of hydrocarbons suitable for use in motor fuels to increase their anti-knock qualities. The specifications of the patent and the application, and the briefs of the parties—especially the brief of appellants—devote much space to highly technical discussions of many phases of the process, which, in view of our conclusion and the narrowness of the issues presented, we need not repeat here.

[1] The appellees copied into their application two claims taken from the said patent of appellants and requested an interference. The interference was originally declared upon but one count, the Primary Examiner then holding that appellees could not make a claim corresponding to the involved count 2. Appellees then moved to amend the issue by adding count 2 and others, which motion was opposed by appellants (said opposition being equivalent to a motion to dissolve the interference). The Primary Examiner granted the motion to amend by adding count 2 and denied it as to the other proposed counts, whereupon the interference was redeclared comprising counts 1 and 2.

Neither party took testimony, but the case was submitted to the Board of Interference Examiners on the basis of stipulated evidence. Priority as to count 1, by virtue of facts shown in the stipulation of the parties, was awarded to appellants, and appellees concede the correctness of such holding.

We here quote count 2:

> 2. In the manufacture of iso-octane, the improvement which comprises subjecting a hydrocarbon mixture consisting essentially of a major proportion of isobutane and a minor proportion of a butylene component to contact with a phosphoric acid catalyst at a temperature approximating 150°–450° F. under a pressure upwards of about 500 pounds per square inch for a period of time sufficient to effect substantial alkylation, *separating an isobutane fraction from the products of the catalytic condensation and recirculating this isobutane fraction through the region of catalyst contact.* [Italics ours.]

Count 1 was identical with the unitalicized portion of count 2.

Appellants argued before the Primary Examiner and the Board, and argue here, that appellees have no right to make count 2 because it is not supported by the disclosure of their application.

There are two main questions for decision here:

(1) Do appellees have the right to make count 2?

(2) If appellees have the right to make the count, have appellants sustained their burden of proving priority of invention?

The latter involves the question of prior conception on the part of appellants and that of diligence on their part during the critical period.

The record shows that neither party

> "physically reduced to practice the subject matter defined in count 2 * * * prior to the filing dates of their respective applications directly involved in the present interference."

Since appellees took no testimony, they are restricted to their filing date (December 30, 1938) for conception and reduction to practice of the invention in issue.

Beginning in 1937 and continuing through 1938 and 1939, Pinkerton and Mendius were employees of the Development Department of the Sinclair Refining Company (assignee of their patent involved in this interference) and Pinkerton was directly responsible to Mendius. Other parties concerned with the Development Department are referred to in the record and will be referred to hereinafter.

It was stipulated that in November of 1937 Pinkerton and Mendius were in conference with others of the Development Department when the question of the occurrence of alkylation under certain operating conditions was being considered. In April 1938 Pinkerton and Mendius executed an application prepared by one Adams, a member of the patent law firm of Pennie, Davis, Marvin & Edmonds, and the same was filed on April 28, 1938. Patent No. 2,177,579 (not the one in interference) was granted on this application on October 24, 1939. This patent made no mention of the element of the count reciting that the hydrocarbon mixture consists "essentially of a major proportion of isobutane and a minor proportion of a butylene component," as do the specification and claims of the patent herein directly involved. It was stipulated that Adams' attention was called to the fact that the feature of "recirculation of saturates" and the feature of "maintenance of a relatively low concentration of unsaturates" were jointly conceived by Pinkerton and Mendius.

Another application was prepared by said Adams and executed by Pinkerton as the sole inventor. This application was filed on August 11, 1938, and was later abandoned. The filing date of this application was prior to any date to which appellees are entitled. In the sole application, the temperature in the catalytic reaction zone was limited to not more than 250° F., whereas the instant count calls for a temperature of approximately 150°–450° F.

It is the contention of appellants that the invention of the count involved here, which is a claim of their Patent No. 2,233,144, is the same invention as that of the sole application except that the sole application is narrower in its scope than the joint application, and that the appellants here, in considering the question of priority, are entitled to a date of conception as of the date of the Pinkerton report which furnished the information to Adams in preparing the sole application—that date being much earlier than any date to which appellees are entitled.

It may be said here that the claims of the sole application were rejected on a British patent. Subsequently, Pinkerton filed an affidavit under rule 75 and overcame the British patent, but the claims were then rejected on the ground of double patenting over the claims of the patent involved in the instant interference (which had been granted in the meantime) and also on a newly-cited United States patent.

Appellants also contend that under the stipulated record it should be held that the conception was a joint one; that the filing of the application of Pinkerton as sole inventor was a mistake, which was afterwards corrected by the filing of the application for the patent here involved; and that for that reason appellants are entitled to a date for joint conception of the invention at bar as of the date of conception of the invention disclosed in the sole application. It is then contended upon this premise that since appellants were the first to conceive and were diligent until the filing date of the application for the patent here involved, they must be regarded as the first inventors in this priority contest.

We first discuss the issue as to appellees' right to make the count. The Primary Examiner at first held that the appellees' disclosure was insufficient to meet the above-italicized limitation at the end of the count, notwithstanding the fact that appellees had called to his attention the following language in their application:

> * * * Likewise any unreacted reactants are separated from the desired fraction and returned to the reaction zone. * * *

Later, appellees called further attention to other language found in their application, reading as follows:

> * * * Any excess of unreacted reactants may be separated from the product in conventional manner and recycled to the feed line to the catalytic reactors. If de-

sired, the recycled reactants may be subjected to a preliminary dehydrogenation and/or polymerization treatment prior to their mixing with the fresh feed.

Upon consideration of the new language cited, the Examiner changed his conclusion and held that he must "concur in" appellees' contention that their disclosure supports the count involved in that particular. The Examiner then proceeded to determine whether or not the "separated and recycled fraction is an isobutane fraction." He held that it was.

At final hearing before the Board of Interference Examiners, this issue was again raised, and the Board had the following to say (drawing numerals omitted):

An examination of the prior art of record in the involved Pinkerton and Mendius patent, as required by rules 122 and 130, indicates that the patentability of count 2 (claim 3 of the Pinkerton and Mendius patent) is not dependent upon any special construction of the language used in describing the separating and recirculating steps. Pinkerton and Mendius urge that the Stahly and Hattox application does not contain an adequate disclosure of the separating and recirculating steps.

In the apparatus shown in the drawing of the Stahly and Hattox application the raw materials for the alkylation reaction are passed through the alkylation reactors * * * and the alkylation product passes through [a] pipe * * * into [a] debutanizer unit * * *. Higher boiling fractions are carried from the debutanizer unit * * * through [a] line * * * while products boiling below a C_5 fraction pass through pipes * * * into a dehydrogenating unit * * * where paraffinic constituents are dehydrogenated. The product of this dehydrogenating step, after separation, is conducted by [a] recycle line * * * into the alkylation feed line * * *. As pointed out by Pinkerton and Mendius * * * the process illustrated in the Stahly and Hattox drawing would not result in the recirculation of "an isobutane fraction," for the unreacted portion of the product of the alkylation step is dehydrogenated prior to recirculation. However, in the last three lines on page 12 and the first three lines on page 13 of the original Stahly and Hattox application it is stated that—

"Any excess of unreacted reactants may be separated from the product in conventional manner and recycled to the feed line to the catalytic reactors. If desired, the recycled reactants may be subjected to a preliminary dehydrogenation and/or polymerization treatment prior to their mixing with the fresh feed."

It is seen that the Stahly and Hattox drawing illustrates the optional method disclosed in the second sentence quoted above and does not show the procedure wherein unreacted reactants are separated from the product and recycled to the feed line. The process not shown in the drawing corresponds to the last two steps in count 2. Page 5, lines 10 and 11, of the Stahly and Hattox application as filed also mentions separation of unreacted reactants from the desired fraction and return of the unreacted reactants to the reaction zone.

As for the unreacted reactant which is recycled according to the Stahly and Hattox disclosure, it is to be noted that claim 8 of the Stahly and Hattox application as filed specifies the use of isobutylene and isobutane and Examples 6 and 7 and claim 12 as originally filed teach the use of a major proportion of isobutane and a minor proportion of a butylene component. In an operation according to these disclosures, using an excess of isobutane, unreacted reactants in the alkylation product which are separated and recycled would comprise "an isobutane fraction," as recited in count 2.

Pinkerton and Mendius argue that count 2 either refers to some particular manner in which the isobutane fraction is separated and recirculated, in which case the Stahly and Hattox disclosure is inadequate, or it refers to the conventional operation of separating and recirculating, in which case the award of priority as to count 2 must follow the award of priority as to count 1. It is considered clear that the language of count 2 does not require any special method of conducting the separating and recirculating steps and, as pointed out above, the prior art of record in the Pinkerton and Mendius patent file does not impose any particular limitations on the clear language of the count.

Here we have two Patent Office tribunals passing upon a technical matter with full concurrence of views. Under the settled law, these concurrent findings should not be disturbed unless clearly erroneous. We have given careful consideration to all of appellants' highly technical arguments, but we have not been convinced that the tribunals below were in error in holding that appellees' disclosure supports the count involved. As the Board has pointed out, the language is plain and does not involve ambiguity; and we may not read into the count limitations urged by appellants, basing their argument upon what was taught in their patent, a claim of which is the count involved here. The count is not limited to, nor does it specify, any particular manner in which the isobutane fraction is separated and recycled.

In deciding this question, the tribunals below (as far as the record discloses) did not rely upon appellee's drawing of the apparatus which illustrates the method, and it is not necessary for us to do so. This matter is involved in a highly technical discussion of what happens under certain circumstances, and, to say the least, it is not clear that it may be ascertained from the drawing that the separation occurs as prescribed by the count if what appellants disclose in their patent is taken into consideration. We think the broad language above quoted in appellees' application affords sufficient basis to support the limitation in controversy. We therefore hold that no error was committed by the Board of Interference Examiners in holding that appellees have the right to make the count.

We proceed to the question of appellants' conception date. Without going too much into detail, we think the record as a whole does not produce a picture of a mistaken identity as to who first conceived the invention, on the part of him who prepared and those who executed the applications which we are discussing. The Board so found.

Several exhibits were introduced by appellants in an effort to show that their conception date should extend to the conception of the invention of the sole application. One of the exhibits, we think, affords sufficient basis for a holding that long after the conception of the invention defined in the sole application, experiments made in the Development Department of the Sinclair Refining Company disclosed the importance of carrying out the method in temperatures ranging well above 250° F., and up to 450° F., and that, this fact having been discovered, a new application was regarded as necessary. In this application, the appellants were regarded as joint inventors.

Appellants' Exhibits 5(*a*), 5(*b*), 10, and 11 are the only ones we need consider in this connection. Exhibit 5(*a*) is a photostatic copy of a report prepared by Pinkerton on July 7, 1938, and 5(*b*) is a photostatic copy of a carbon copy of this report, which was reviewed and initialed by Mendius on or before July 15, 1938. This report discloses the use of a major proportion of isobutane and a minor proportion of butylene, which meets one of the important elements of the count at bar. The temperature prescribed was 250° F. or below. This report also mentions the separation and recycling steps recited in the count.

Exhibit 10 is a letter received by said Adams from Isom, Sinclair's vice-president in charge of research and development. It transmitted a letter dictated and signed by Gardner using Herthel's name. Gardner was a member of the Development Department of the Sinclair Refining Company and assumed part of the duties of Herthel, who was assistant to the vice-president in charge of research and development. Gardner's letter was dated September 25, 1939, and it refers to the sole Pinkerton application. It calls attention to the upper temperature limit of 250° F. and then continues:

* * * Recent test data indicates that higher temperatures, of the order of 400° F., are preferable, and since our parent application has a maximum limiting temperature of 450° F., we feel we are entitled to the benefits of our recent findings with respect to temperature. We suggest the matter be referred to Mr. Adams for an opinion.

We attach copy of Mr. Pinkerton's report of September 18, 1939, which covers the results of our butylene-isobutane alkylation tests at higher temperatures.

Adams thereupon drafted a new application in the name of Pinkerton and Mendius and forwarded it to Herthel with a transmittal letter written and dated October 5, 1939. This letter, which is Exhibit 11, contains the following:

You will note that the substitute application is prepared as for a joint invention of Pinkerton and Mendius instead of for a sole invention of Pinkerton. The original Pinkerton application you will perhaps recall rather emphasized the original liquid phase idea. In enlarging the application to come up to the limits set forth in the parent application it seems to me that the distinction between Pinkerton as the inventor and Pinkerton and Mendius as the inventors tends to disappear and this is my reason for this change. If you disagree with this change, I am going to ask you to tell me how the invention as a sole invention of Pinkerton can be distinguished from the invention of Pinkerton and Mendius now on its way to patent.

The application was executed by Pinkerton and Mendius and was returned to Adams, who filed the same in the Patent Office on October 19, 1939. The patent directly involved in this interference was granted to the appellants on the last-named application.

The Board, in considering this question, had the following to say:

The party Pinkerton and Mendius acknowledges that the sole application of Pinkerton which was filed on August 11, 1938 "probably cannot be treated as a constructive reduction to practice by Pinkerton and Mendius" * * *. The decision of the Commissioner of Patents in *Ex parte Benes*, 339 O. G. 499, 1925 C. D. 75, indicates that a sole application is not a constructive reduction to practice of a joint invention, and it was held in the case of *Wailes Dove-Hermiston Corporation* v. *Oklahoma Contracting Co.*, 48 F.(2d) 901; affirmed, 56 F.(2d) 143, 12 U. S. P. Q. 423, that a later filed joint application does not derive a filing date from an earlier filed sole application. It is held that the sole Pinkerton application, Serial No. 224,239, is of no benefit to the joint party Pinkerton and Mendius as a constructive reduction to practice.

The party Pinkerton and Mendius urges that "the stipulated evidence shows conception of the subject matter of count 2 by Pinkerton & Mendius at least as early as the middle of July, 1938, and diligence on the part of all concerned in attempting to effect a proper constructive reduction to practice starting at least as early as August 11, 1938, when Serial No. 224,239 was filed" * * *. There is clearly no evidence of any conception by Pinkerton and Mendius prior to the date of Pinkerton and Mendius Exhibit 5(*a*), for the activities preceding that date either were directed to the subject matter of the first Pinkerton and Mendius application, Serial No. 204,736, thus not involving the use of "a hydro-carbon mixture consisting essentially of a major proportion of isobutane and a minor proportion of a butylene component," or they were directed to a procedure which did not involve separation of an isobutane fraction and recirculation of the same.

It was stipulated that Mendius "reviewed and initialed" the carbon copy of Pinkerton and Mendius Exhibit 5(*a*), the initialed copy being in evidence as Pinkerton and Mendius Exhibit 5(*b*). However, this mere review and initialing of Pinkerton's report by Mendius does not establish a joint conception of the invention in issue by Pinkerton and Mendius. It is noted that Pinkerton was directly responsible to Mendius, but even this fact in connection with the review and initialing previously referred to does not prove that the conception was joint. The unreliability of initialing as an indicia of joint inventorship is illustrated by Pinkerton's report of April 4, 1938 (Pinkerton and Mendius Exhibit 4), which includes three different sets of initials at the top of the first page.

It is recognized that an application in due form, made by two or more persons claiming to be joint inventors, is prima facie evidence that they are such. *Lemp* v. *Randall and Bates*, 33 App. D. C. 430, 1909 C. D. 455, 146 O. G. 255; *Beidler* v. *Capes and Leininger*, 17 C. C. P. A. 703, 1930 C. D. 78, 392 O. G. 241, 36 F.(2d) 122, 4 U. S. P. Q. 58; *Brown* v. *Edelen et al.*, 27 C. C. P. A. 1091, 1940 C. D. 429, 519 O. G. 222, 110 F.(2d) 858, 45 U. S. P. Q. 181. However, the question raised in the present case is not whether there was a joint invention, but the date when the joint conception of the invention in issue occurred. In the cited cases there was evidence of joint invention, whereas the evidence in the instant case shows only activity by Pinkerton alone during the latter part of 1938 and the early part of 1939. Pinkerton's sole activity is indicated by his single signature on the report of July 7, 1938 (Pinkerton and Mendius Exhibit 5(*a*)), Gardner's direction to file the application which later became Serial No. 224,239 in the name of Pinkerton as sole inventor (Pinkerton and Mendius Exhibit 6), the review and criticism of the application papers by Pinkerton alone (Pinkerton and Mendius Exhibit 8) and the subsequent filing thereof in Pinkerton's name. Any possible presumption that all work which meets the terms of count 2 and which was done prior to the filing of the joint application, Serial No. 300,164, was done jointly and on behalf of both joint applicants is disturbed by the fact that there are material points of difference between the sole Pinkerton application, Serial No. 224,239, and the joint Pinkerton and Mendius application, Serial No. 300,164. It may be noted that Gardner's letter of September 23, 1939 (Pinkerton and Mendius Exhibit 10) refers to "recent test data" and "recent findings" and Adams' letter of October 5, 1939 (Pinkerton and Mendius Exhibit 11) indicates that there was no recognition of a joint invention until it was decided to expand the temperature and pressure limits disclosed in the sole Pinkerton application (Serial No. 224,239) to correspond to those taught previously in the first joint Pinkerton and Mendius application (Serial No. 204,736). The correspondence which includes Pinkerton and Mendius Exhibits 6, 10 and 11 indicates a deliberate intent to fix Pinkerton as the sole inventor of the specific subject matter of his sole application, Serial No. 224,239, and to fix Pinkerton and Mendius as the joint inventors of the expanded and enlarged subject matter of their joint application, Serial No. 300,164.

The stipulation concerning Mendius' review and initialing of Pinkerton's report of July 7, 1938 (Pinkerton and Mendius Exhibit 5(*a*)) is the best evidence of a joint conception of the invention defined in count 2 by Pinkerton and Mendius prior to the filing of the Stahly and Hattox application on December 30, 1938. There is no other evidence of joint activity by Pinkerton and Mendius which would warrant awarding to the junior party a date of conception for the invention of count 2 prior to the senior party's filing date.

[2][3] We are in entire agreement with the Board in its holding that, under the circumstances stated, appellants are not entitled to the benefit of the filing date of the sole application, as a joint conception date. It is our view that the record does not show that Mendius was a party to the conception of the invention of the count at bar. The Board has pointed out that the initialing of reports under circumstances like these may not be relied upon to show joint conception, especially in view of the fact that the initials of Mendius and of two others were on the report of Pinkerton which culminated in the original joint application of Pinkerton and Mendius (now Patent No. 2,177,579).

The facts upon which the determination of this issue depends appear to be essentially these: The original joint application (now Patent No. 2,177,579) disclosed broadly the catalytic alkylation of paraffinic hydrocarbons and olefinic hydrocarbons within the temperature range of 200°–450° F. but

made no mention of separation and recirculation of any unreacted reactants, saturates or unsaturates. The sole application of Pinkerton disclosed the catalytic alkylation of a hydrocarbon mixture consisting of a major proportion of isobutane and a minor proportion of a butylene component at a temperature not exceeding about 250° F. and also the separation and recirculation of an isobutane fraction. And the present joint case (Patent No. 2,223,144) discloses the catalytic alkylation of a hydrocarbon mixture consisting of a major proportion of isobutane and a minor proportion of a butylene component within the temperature range of 150°–450° F. and the separation and recirculation of an isobutane fraction. There is the additional fact that priority as to count 1 has been awarded to appellants on the basis of a reduction to practice prior to September 18, 1937; which means that the only element of count 2 as to which priority must be proved is that relating to the separation and recirculation of an isobutane fraction—of course, in connection with the process recited in the remainder of the count.

The first disclosure of the separation and recirculation of an isobutane fraction was in the Pinkerton report of July 7, 1938 (Exhibit 5(*b*)), which culminated in the filing of the sole Pinkerton application. The subsequent filing of the present joint case was apparently prompted by later tests—the "Recent test data" and "recent findings" referred to in Gardner's letter of September 23, 1939 (Exhibit 10)—which demonstrated that better results were obtained in the higher temperature range. There is nothing to indicate that the discovery of the separation and recirculation of an isobutane fraction was a joint discovery of Pinkerton and Mendius. On the contrary, the circumstances all point the other way—indicating that it was a discovery of Pinkerton alone. We have already held that the mere review and initialing by Mendius of the Pinkerton report of July 7, 1938, is insufficient to establish a joint conception.

The Board, evidently anticipating appeal, took up the question of diligence and held that the diligence of the sole applicant and matters relating to his application were not applicable to the diligence required of appellants as joint inventors. In view of our conclusion that appellants were not the first to conceive the invention defined by the count, it is unnecessary for us to consider this question.

In attacking the sufficiency of appellee's disclosure, appellants rely upon *McCormick* v. *Malherbe*, 28 C. C. P. A. (Patents) 838, 116 F.(2d) 520, 48 U. S. P. Q. 106, 526 O. G. 3, and *Brand* v. *Thomas*, 25 C. C. P. A. (Patents) 1053, 96 F.(2d) 301, 37 U. S. P. Q. 505, 496 O. G. 561, urging that appellees' disclosure, under the doctrine laid down in those cases, lacks clarity sufficient to form the basis for the allowance of the count in appellees' application. We do not regard those cases as in point. We cannot see that the instant count, as a claim in appellees' application, would be an "interloper," as characterized the situation in the cited cases.

[4] A writ of certiorari was issued by this court upon application duly made by appellees to correct diminution of the record. The added portion consists of approximately four pages of printed matter, covering the subject of an affidavit filed by Pinkerton under rule 75, which we think was material to the decision of the case, and the cost for printing the same is therefore taxed against the appellants.

From the foregoing it follows that the Board properly awarded priority as to the subject-matter of the count involved to appellees, and its decision is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE LINCOLN ET AL.

No. 4,917. Decided June 26, 1944

[143 F.(2d) 965; 62 U. S. P. Q. 288]

PATENTABILITY—LUBRICANT.

Certain claims to a lubricant *Held* properly rejected on the ground of double patenting.

APPEAL from the Patent Office. Affirmed.

Mr. Thomas E. Scofield for Lincoln et al.

Mr. W. W. Cochran (*Mr. E. L. Reynolds* of counsel) for the Commissioner of Patents.

BLAND, *J.*:

Appellants have here appealed from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting claims 13 to 17, inclusive, of appellants' application for a patent for alleged improvements in sulphur containing lubricants.

Modern internal combustion engines employ cadmium and copper-lead mixtures in bearings, taking the place of the old tin-babbitt type. This new material improves the wearing quality of the bearings, but such bearings are more susceptible to corrosion than the old ones. Oxidation and corrosion are prevented by the use in motor lubricants of an addition agent known as an inhibitor.

The instant application teaches the use of a relatively pure olefin treated with a sulphur compound. The then sulphurized olefin is added to the lubricant in quantities of from .05 to 20 per cent.

Claim 15 is illustrative of the subject-matter involved in claims 13 to 15, inclusive, and reads as follows:

15. A lubricant comprising in combination a major proportion of a hydrocarbon oil and a minor proportion of an addition agent composed essentially of a sulphurized olefin derived from petroleum wax of 10 to 60 carbon atoms by halogenation, dehalogenation and sulphurization, said sulphurization being effected by a sulphur compound.

Claims 16 and 17 are more specific in that they name particular sulphur compounds. In claim 16 the compound is sulphur monochloride, and in claim 17 it is phosphorous pentasulphide.

The following references were relied upon: Wasson, 2,108,954, February 22, 1938; Chittick, 2,142,998, January 10, 1939; Lincoln et al., 2,218,132, October 15, 1940.

Claims 13 to 15, inclusive, were rejected by the Examiner upon appellants' prior Patent No. 2,218,132 in view of each of the patents to Wasson and Chittick, the prior patent containing a disclosure of everything involved in the appealed claims, except that it teaches the use of elemental sulphur as a sulphurizing agent, whereas the claims at bar either call broadly for a sulphur compound or, as in claims 16 and 17, specifically named sulphur compounds.

Claims 16 and 17 were rejected by the Examiner as

"lacking invention over the subject matter covered by the claims of applicants' prior patent in view of the patents to Wasson and Chittick, respectively."

Wasson discloses sulfur monochloride and Chittick discloses phosphorous pentasulfide as sulfurizing agents for compounds to be added to lubricating oils.

The Board of Appeals, in affirming the Examiner's rejection, stated, "it appears to us to be immaterial from what source the olefin may be obtained." Notwithstanding the fact that Wasson's product, according to the contentions of appellants, was an intermediate product, as it was later steamed in the presence of alkali so as to remove at least a part of the chlorine introduced with the sulphur in the sulphurizing step, it was the view of the Board that the appealed claims were not inventive over Wasson alone. The Board also agreed with the Examiner that the claims were unpatentable over appellants' prior patent in view of Wasson. It made no reference to the Chittick patent. The Board held, in substance, that the patent and the instant application did not cover two inventions, and that it was proper, under the practice set forth in the decision of *In re Isherwood*, 46 App. D. C. 507, 1917 C. D. 226, 245 O. G. 847, to reject the claims of a continuing application, such as the one at bar, upon what appellants have already received in the way of a patent monopoly. It pointed out that the "present case differs from the patent merely in a detail which is shown to be old in the patent to Wasson" (Wasson teaching the use of sulfur monochloride for his sulphurizing treatment).

Appellants in this court argue at length that a new and useful result is obtained by the use of a sulphur compound instead of elemental sulphur as a treating agent. They contend that the presence of the non-sulphur element in the molecule is responsible for the improved results (Wasson has a residue of chlorine), and that this could not have been foreseen; that the use of a sulphur monochloride or a phosphorous pentasulphide increases the film strength of the lubricant much more than an olefin treated with elemental sulphur. Regardless of whether or not this is true—and we may assume that it is—the use of sulphur compounds was clearly suggested by the prior art cited and relied upon, and it would not be inventive over what appellants already had been granted in the way of a patent to add to their process of making the lubricants, a material which was old in the art and which, after all, supplied the sulphur need, the importance of which was taught in appellants' patent.

We are in agreement with the position taken by the Solicitor for the Patent Office that to allow the appealed claims would result in double patenting. It is pointed out by the Solicitor that there is nothing in the appealed claims which eliminates the steaming step in the Wasson patent.

The holding of the tribunal below is to the effect that it is immaterial by what process the olefin is made and that it is also immaterial, under the circumstances at bar, that appellants' olefin, prepared in accordance with the claims, differs from the prior olefin only in its degree of purity. On this latter phase of the case, the Solicitor cites *In re Mers*, 25 C. C. P. A. (Patents) 1314, 97 F.(2d) 599, 38 U. S. P. Q. 143, 497 O. G. 547. There is nothing in the application at bar to show that there is any special or patentable coactive relationship between the specific way in which the olefin is prepared and the subsequent sulphurization.

The decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE THAYER

No. 4,868. Decided June 26, 1944

[143 F.(2d) 996; 62 U. S. P. Q. 305]

1. PATENTABILITY—ANALOGOUS ART.
   Where appellant in his application relating to a furnace wall construction stated that the word "wall" was intended "to include any wall or housing of an enclosure or chamber subject to heating" *Held* that the mere fact that a reference patent related particularly to bulkheads for ships did not make that patent remote art.
2. RULE 66—AFFIDAVIT OF EXAMINER.
   Where the Primary Examiner stated that wall structures are frequently constructed from a series of preformed panels, and appellant did not request an affidavit by the Examiner under rule 66 *Held* that the statement must be accepted as true.
3. PATENTABILITY—INVENTION.
   "It is now the rule, and always has been so far as we are aware, that the question of the patentability of claims depends upon whether or not an applicant, with the cited references before him, could make the structure claimed in his application without the exercise of the inventive faculties. If he could, then no invention is present. Furthermore, the rule is applicable whether or not the applicant had ever seen any of the cited references."
4. SAME—COMMERCIAL SUCCESS.
   "It appears from appellant's affidavit that his wall structure has met with commercial success. Whether the structure defined in the allowed claims * * * is the cause of such commercial success, we are unable to say. However, commercial success is only one element to be considered in determining the patentability of claims, and when, as in the instant case, the prior art either discloses or plainly suggests the structure and the process defined by an applicant's claims, commercial success is not of great importance."
5. SAME—FURNACE WALL.
   Certain claims severally defining a furnace wall, a furnace wall panel, and a method of preforming such a panel *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Messrs. Morrison, Kennedy & Campbell (*Mr. Donald Campbell* of counsel) for Thayer.

Mr. W. W. Cochran (*Mr. E. L. Reynolds* of counsel) for the Commissioner of Patents.

HATFIELD, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting claims 61 to 66, inclusive, 68, and 69 in appellant's application for a patent for an alleged invention relating to a heat-resisting wall construction and a method of making the same.

Seven claims were allowed by the Primary Examiner.

Claims 61 and 62 relate to a furnace wall. Claims 63 to 66, inclusive, relate to a furnace wall panel. Claims 68 and 69 are method claims and relate to the pre-forming of panels.

Claims 61, 66, and 68 are sufficiently illustrative of the appealed claims. They read:

61. An exteriorly repairable refractory wall construction, for an industrial furnace or heat chamber wall, having a system of wall panel members including a number of separate and exteriorly removable panels mountable collectively to close the wall area, each of a limited minor portion of the entire wall area; said removable panels being separately portable and each consisting of a preformed unitary and rigid combination of panel backing and facing portions, the backing comprising a rigid metallic carrier for the facing and having exterior extensions for the readily removable mounting of the panel in the wall by exteriorly accessible attaching means, the facing being a refractory slab of panel size and comprising a monolithic layer of castable material plastically molded and set directly upon the panel backing, with means unifying tightly and permanently the panel backing and its facing layer comprising posts projecting from the backing into the facing and spaced reinforcement positioned by the posts, said posts and reinforcement being wholly plastically embedded and permanently locked in said molded facing layer; said system of panel members presenting a refractory wall facing which is substantially continuous except in having joints between the several monolithic facing layers of the several exteriorly removable panels.

66. For a refractory or furnace wall comprising a number of exteriorly removable panels collectively closing the wall, a preformed and separately portable panel composed of unitarily combined backing and facing portions, wherein the backing comprises a rigid metallic carrier for the facing and has exterior extensions for the removable mounting of the panel in the wall, and the facing comprises a panel size monolithic refractory slab of castable material plastically molded and set directly upon the panel backing, with means unifying tightly and permanently the panel slab and rigid backing comprising transverse posts projecting from the backing into the facing and reinforcement means positioned by the posts, said posts and reinforcement being wholly embedded and permanently locked in said plastically molded facing slab; and said facing slab being composed of plural strata of different heat-resisting materials in graded order with the more insulating material nearest to the backing and the more refractory material nearest to the heat-exposed face of the slab.

68. The method of preforming unitary panels for an exteriorly-removable-panel furnace wall, comprising first preforming a rigid metallic backing portion for each panel, adapted to be mounted detachably in the wall, then securing upon the backing a system of reinforcement substantially coextensive with the area of the panel including several inward extensions in the form of posts adapted for interlocking with a facing slab portion and then premolding a refractory layer of settable plastic facing material directly upon such inner side of the backing in a manner and to a thickness to form a slab and to embed wholly and interlock with such reinforcement, and allowing the setting thereof to take place; thereby to produce a unitary transportable panel adapted to be applied and attached to and removed from such wall and consisting of tightly and permanently combined rigid backing member and refractory facing slab.

The references are: Brinckerhoff et al., 2,144,598, January 17, 1939; Scott, Jr., 2,148,281, February 21, 1939; Brooke (British), 6,548, 1904.

Appellant's wall structure comprises a frame work of rigid members which support panel members. The panels comprise a metal backing plate and a heat-resisting hardened plastic facing of refractory monolithic layers of castable material, plastically molded and placed directly upon the panel backing. The backing plate has rearwardly projecting flanges, so arranged that the panels may be secured to other flanges which are secured to the main frame.

Appellant's structure is so arranged that any individual panel or slab of refractory material may be readily removed and replaced in the furnace merely by manipulating certain bolts, the arrangement of which need not be here described.

As will be observed from quoted claim 66, appellant's monolithic refractory panels may be composed of several different heat-resisting materials.

The patent to Brinckerhoff discloses a wall of replaceable panel sections, composed of fire-brick, backed by insulating material, and a steel casing member. The patentee states that the insulating fire-bricks are light-weight refractories and have the ability to withstand furnace conditions at high temperatures.

The metal backing member in the Brinckerhoff panels has rearwardly projecting flanges similar to those of appellant, and the brick panels in the patentee's structure may be removed by an arrangement similar to that set forth in appellant's application. The patentee does not disclose the use of a monolithic slab such as is set forth in the appealed claims. Furthermore, in the Brinckerhoff structure the panels are composed of several bricks, whereas the panels in appellant's structure comprise a single slab of refractory material. So, the difference between the Brinckerhoff disclosure and that of appellant is that the patentee's panel is made up of several bricks, whereas appellant's panel consists of a monolithic slab, and the patentee does not disclose a plurality of strata of different heat-resisting materials in graded order, as called for by claim 66.

The patent to Scott "relates to heat insulation and particularly to insulation for the steel walls of bulkheads and the like in ships." The patentee discloses a plastic slab of heat-resisting and insulating material secured to a sheet of perforated metal having relatively large openings therein. The patentee's backing is spaced from the wall a distance of about one-third to two-thirds the depth of the insulation. The backing reinforcing metal is provided with protruding portions adapted to be secured to the surface of the wall. The patentee states that his insulating structure may be applied to walls or ceilings, the insulating material being applied through the interstices of the perforated metal and extending over the metal so as to afford a smooth or decorative finish. The insulation is "formed of fibres of slag wool combined with a clayey ingredient and a hydraulic setting cement such as Portland cement."

The patent to Brooke discloses a metal wall and a monolithic lining of heat-resisting material for a furnace. The patentee, however, does not disclose the sectional panel construction called for by the appealed claims and disclosed in the Brinckerhoff patent. The patentee does disclose that his metal wall is covered with fire-clay, held in position by expanded metal mesh and posts. He also discloses a similar arrangement with a non-conducting layer of asbestos fibers between the fire-clay and the metal wall, that is,

"layers of suitable fire-resisting material, as fire-clay or ganister or a mixture thereof with suitable fibrous binding material, as asbestos"

are secured to the metal wall. In other words, the patentee discloses a plurality of different heat-resisting materials in graded order, as called for by claim 66.

It may be stated at this point that counsel for appellant concede that the patent to Brooke discloses the mechanical elements claimed by appellant for holding a plastic or fire-clay lining upon a furnace wall, and that appellant makes no claim to novelty in such an arrangement. It is also conceded by counsel for appellant that the patentee discloses a monolithic lining for his furnace. It is contended by counsel that the patentee does not disclose a self-setting plastic. However, the plastic material called for by the appealed claims is old, as stated in appellant's affidavit.

It is apparent, however, that the patentee Brooke does not disclose a pre-formed panel arrangement, as called for by the appealed claims and as disclosed by Brinckerhoff.

In his statement to the Board, dated May 4, 1942, the Primary Examiner stated that the method claims (Nos. 68 and 69) read substantially on the patent to Brooke, except for the recitation of a pre-formed panel. The Examiner then stated that it was a matter of common knowledge that in the last ten years the pre-fabrication of houses built by means of large panels has been widely discussed in the public press; that the patent to Brinckerhoff plainly teaches the idea of pre-formed panels, specifically in the furnace-wall art; that the other claims on appeal were

"specific to exterior extensions on the backing for the ready removability of the panel. Such extensions are fully shown by Brinckerhoff, so that the only question is whether it involves invention to substitute a plastic slab for the individual bricks of the Brinckerhoff panel."

The Examiner then called attention to the fact that appellant states in his application that his panels might be made up of pre-formed bricks or blocks suitably secured together, but that he preferred a monolithic slab of plastic material.

Subsequent to that statement of the Examiner, appellant filed an affidavit which is of record. It is stated therein, as it is in the brief of appellant's counsel, that appellant had been associated with his assignee (Quigley Co.) as engineer and inventor for many years; that about 1910 he became familiar with the

"practical developments in the art of furnace wall construction in this country referring to industrial and utility furnaces";

that the walls of furnaces for the past decade were fire-brick assemblies, mounted so that they could be removed from the interior of the wall; that it was accepted in the involved art that, in order to make repairs, the furnace had to be entered and the repair work done on the inside; that such an arrangement caused considerable economic loss, not merely because of the cost of the repairs but because it was necessary to shut down the furnace; that

"Prior to my invention I was aware of no instance of any furnace wall practically adapted to renewal or repair of damage from the exterior";

and that as a result of intensive study and consideration he conceived the subject matter set forth in the appealed claims. The affiant further stated that the references cited against the involved claims were not known to him before his conception of the alleged invention; that his structure met with considerable commercial success; that castable refractories that could be used in the making of his wall had been known for a least fifteen years; and that it did not occur to him or apparently to others that such an advantageous wall as that defined by the appealed claims could be constructed from such castable refractories. He further stated that one of the advantages of his structure over that disclosed in the Brinckerhoff patent was that each of his panels was composed of a single slab, whereas each of the Brinckerhoff panels contained many bricks; that the Brinckerhoff panel would be more subject to penetration by the corrosive sulphur gases because of the many joints between the bricks composing each of the panels; and that his structure would save in cost about 50 per cent in materials and about 65 per cent in labor, as compared with the Brinckerhoff structure. Another advantage claimed by appellant was that his refractory slabs might be stratified by applying successive layers of graded plastics composed of "two or even three strata."

Subsequent to the filing of appellant's affidavit, the Examiner reported to the Board under rule 138 of the Rules of Practice in the United States Patent Office, and stated that it was alleged in appellant's affidavit that he was not familiar with the references cited against the involved claims; that appellant was in error in stating in his affidavit that the Brooke reference had no panels; and that—

The Brooke disclosure is broad, referring merely to the formation of plates for furnaces. It is not said specifically whether these are or are not panels * * *. It would be entirely consistent with Brooke's disclosure to make his wall of preformed panels, even though it is true that Brooke does not point-blank state that his wall is so made.

The Examiner further stated that appellant was in error in stating that the "joint lines" between bricks of a panel would be subject to leakage, that leakage could only occur through the joints between the panels and "in this respect the joint lengths of applicant and Brinckerhoff are identical."

In its decision, the Board of Appeals, in substance, affirmed the reasons assigned by the Primary Examiner for rejecting the appealed claims.

It is contended here, among other things, by counsel for appellant that the British patent to Brooke is not entitled to any weight beyond what it actually discloses, with which contention we agree. It is also contended by counsel that that patent taught little or nothing that would aid in the conception of appellant's alleged invention, with which contention we cannot agree.

[1] The arguments here of counsel for appellant, although more in detail, follow substantially the statements contained in appellant's affidavit. We deem it unnecessary, therefore, to set out all of the arguments presented here by them. It is argued by counsel, among other things, that the Scott patent is in a remote art. However, it is stated in appellant's application that the word "wall" as it appears in his specification was intended "to include any wall or housing of an enclosure or chamber subject to heating. * * * [and that] the word 'chamber' " was "intended in its broad sense" to include "flues and other enclosed spaces." So the mere fact that the patent to Scott relates particularly to bulkheads for ships does not make that patent remote art.

[2] It is apparent, from what has been said, that the prior art taught the use of panels for walls for furnaces so as to make it comparatively inexpensive to repair such walls by removing the panels from the outside, and that the prior art discloses the use of monolithic material for linings for industrial furnaces. Furthermore, it is stated by the Primary Examiner that wall structures are frequently constructed from a series of pre-formed panels.

Appellant did not request an affidavit by the Examiner with regard to that statement, as he might have done under rule 66 of the Rules of Practice in the United States Patent Office. We must, therefore, accept the statement as true.

[3] It is now the rule, and always has been so far as we are aware, that the question of the patentability of claims depends upon whether or not an applicant, with the cited references before him, could make the structure claimed in his application without the exercise of the inventive faculties. If he could, then no invention is present. Furthermore, the rule is applicable whether or not the applicant had ever seen any of the cited references.

We are of opinion that with the disclosures in the references before him, appellant, or any one skilled in the art, could have produced appellant's structure without the exercise of the inventive faculties.

[4] It is true that it appears from appellant's affidavit that his wall structure has met with commercial success. Whether the structure defined in the allowed claims, hereinbefore referred to, is the cause of such commercial success, we are unable to say. However, commercial success is only one element to be considered in determining the patentability of claims, and when, as in the instant case, the prior art either discloses or plainly suggests the structure and the process defined by an applicant's claims, commercial success is not of great importance.

[5] We are of opinion that the tribunals of the Patent Office reached the right conclusion. Accordingly, the decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

LACTONA, INCORPORATED

v.

LEVER BROTHERS COMPANY

No. 4,869. Decided June 19, 1944. Petition for rehearing denied October 2, 1944.

[— F.(2d) —; 63 U. S. P. Q. 62]

1. TRADE-MARKS—OPPOSITION—VALIDITY OF REGISTERED MARK.

Where appellee opposed the application of appellant for registration of the trade-mark "LIFEGUARD," for use on "devices for oral hygiene, particularly tooth brushes, massage elements and combined tooth brushes and massage elements," and in its notice of opposition alleged ownership of a trade-mark registration of the term "Lifebuoy," for use on "fancy and perfumed soaps, shaving soaps, perfumery, mouth washes, tooth washes, tooth pastes, tooth powders, toilet powders, hair pomades, and oils and greases for toilet use," and appellant adduced testimony to show that appellee never had made or sold any tooth paste, tooth powder, or mouth wash under the trade-mark "Lifebuoy" *Held* that such testimony related to the validity of the registered mark and was irrelevant in the opposition proceeding.

2. SAME—GOODS OF THE SAME DESCRIPTIVE PROPERTIES.

Shaving soap, mouth washes, tooth washes, and tooth paste *Held* to be goods of the same descriptive properties as tooth brushes and massage elements for the teeth and combined tooth brushes and massage elements.

3. SAME—CONFUSING SIMILARITY.

As used upon goods of the same descriptive properties, the trade-marks "LIFEGUARD" and "Lifebuoy" *Held* to be confusingly similar.

4. SAME—SAME—SIDE-BY-SIDE COMPARISON.

Side-by-side comparison *Held* not the test for determining confusing similarity of trade-marks.

APPEAL from the Patent Office. Affirmed.

Mr. Edmund H. Parry, Jr. (*Messrs. Parry & Miller* of counsel) for Lactona, Incorporated.

Mr. Spencer A. Studwell for Lever Brothers Company.

HATFIELD, *J.*:

This is an appeal in a trade-mark opposition proceeding from the decision of the Commissioner of Patents reversing the decision of the Examiner of Interferences holding that appellant was entitled to register the trade-mark "LIFEGUARD," for use on "Devices for Oral Hygiene, Particularly Tooth Brushes, Massage Elements and Combined Tooth Brushes and Massage Elements."

Appellant states in its application that it has used the trade-mark "LIFEGUARD" on its goods since July 15, 1940.

In its notice of opposition, appellee alleged that it is the owner of the trade-mark "Lifebuoy," for use on "products for cleaning"; that it is the owner of trade-mark registration No. 25,871, issued January 15, 1895, of the term "Lifebuoy," for use on "fancy and perfumed soaps, shaving soaps, perfumery, mouth washes, tooth washes, tooth pastes, tooth powders, toilet powders, hair pomades, and oils and greases for toilet use";

and that it is also the owner of trade-mark registration No. 25,905, issued January 22, 1895, of the trade-mark "Lifebuoy," for use on a variety of soaps and other articles which need not be mentioned here, both of which registrations have been renewed.

Appellee also alleged that it is the owner of registration No. 284,089, issued June 16, 1931, of the trade-mark "Lifebuoy" and other descriptive matter in the Spanish language, for use on soap; that it has expended millions of dollars in advertising its trade-mark on "products for cleaning"; that the "trade and the public have long been familiar" with its trade-mark "Lifebuoy" and have associated it only with appellee as indicating that the cleaning products on which it appears are the products of appellee; that the goods of the parties possess the same descriptive properties; and that appellant's trade-mark "LIFEGUARD" is confusingly similar to appellee's trade-mark "Lifebuoy." Other allegations made in the notice of opposition will hereinafter be referred to in the statement of the evidence introduced by appellee.

On November 28, 1940, appellant filed its answer to the notice of opposition, stating therein, among other things, that appellee is not using the term "Lifebuoy" as a trade-mark on any goods other than common soap and shaving cream, and particularly that appellee is not using the term "Lifebuoy" as a trade-mark for mouth washes, tooth washes, tooth pastes, tooth powders or any other products relating to oral hygiene. Appellant also denied in its answer that the marks of the parties are confusingly similar.

It is obvious from appellant's answer to appellee's notice of opposition that appellant intended to raise the question of the validity of appellee's registration No. 25,871.

Appellant submitted no evidence.

Appellee submitted evidence for the purpose of establishing that it had sold well over $100,000,000 worth of "Lifebuoy" products from 1895 to the time of the submission of testimony (January 28, 1941); that it advertises its "Lifebuoy" soap and "Lifebuoy" shaving cream in newspapers in every city and town in the United States, and through other advertising mediums, such as magazines and the radio; that it has expended well over $20,000,000 in advertising its "Lifebuoy" soap and over $1,000,000 in advertising its "Lifebuoy" shaving cream; and that it has sold over 25,000,000 tubes of "Lifebuoy" shaving cream throughout the United States.

The witness Homer M. Clark, advertising executive in the employ of the appellee company, testified that he knew of no other concern which used the term "Lifebuoy" in connection with soaps, dentifrices, tooth brushes, or other similar articles used for cleansing the human body. He stated that he knew of at least two concerns that sold tooth brushes and dentifrices under the same trade-mark. (The witness mentioned Dr. West and The Pepsodent Company). On cross-examination, he stated that appellee does not now make or sell, and never has made or sold, any tooth paste, tooth powder, or mouth wash under the trade-mark "Lifebuoy." He further stated that his company had considered making and selling such products, but had not done so.

It is stipulated in the record that appellee's registration No. 25,871 had been duly renewed under date of January 20, 1925.

[1] This court has repeatedly held that the validity of a registered trade-mark cannot be challenged in an opposition proceeding, and that testimony relative to the validity of a registered mark is wholly irrelevant to the issues in an opposition proceeding. See *Englander, etc.*, v. *Continental Distilling Co.*, 25 C. C. P. A. (Patents) 1022, 95 F.(2d) 320, 37 U. S. P. Q. 264, 496 O. G. 274, and cases therein cited and reviewed.

In the case of *Ely & Walker Dry Goods* v. *Sears, Roebuck & Co.*, 24 C. C. P. A. (Patents) 1244, 90 F.(2d) 257, 33 U. S. P. Q. 549, 485 O. G. 268, one of the cases cited and reviewed in the Englander case, supra, it was held that the validity of a registered trade-mark could not be attacked in an opposition proceeding where it was claimed that the owner of the registered mark was not using it as a trade-mark.

In the Englander case, supra, we pointed out that it had been repeatedly held that the Congress had specially provided in section 13 of the Trade-Mark Act of February 20, 1905, for proceedings for the cancellation of a trade-mark registration by one who deemed himself injured by such registration; that, if one desired to question the validity of such a registration, he should proceed in accordance with the provisions of that section; and that there was no authority for attacking the validity of a trade-mark registration in an opposition proceeding.

That appellant had some information with regard to appellee's use of the trade-mark "Lifebuoy" on the goods listed in registration No. 25,871 several months prior to the taking of the testimony in this case is clear from its answer to the notice of opposition, and, had appellant desired to do so, it could then have filed cancellation proceedings in accordance with the statute. Accordingly, we are of opinion that the evidence relating to the use by appellee of its trade-mark "Lifebuoy" on the goods named in its registration No. 25,871 was wholly irrelevant to the issues here involved and should be given no consideration whatsoever in determining the issues in this case.

If appellee is not using its trade-mark on the goods listed in registration No. 25,871, the mark, obviously, should be cancelled.

[2][3] We are of opinion that the goods listed in registration No. 25,871 (shaving soap, mouth washes, tooth washes, and tooth paste) are goods of the same descriptive properties as tooth brushes

and massage elements for the teeth and combined tooth brushes and massage elements on which appellant uses its trade-mark "LIFEGUARD," and that the marks of the parties are confusingly similar.

It was conceded by counsel for appellant at the time of the oral arguments in this court, and properly so we think, that the goods on which appellant uses its trade-mark and the soap and shaving cream on which appellee uses its trade-mark possess the same descriptive properties.

It appears from the record that the products of each of the parties are put up in small packages; that they are inexpensive, and are sold in drug-stores, grocery stores, and general stores to all classes of purchasers; and that appellee has expended millions of dollars in advertising its goods throughout the United States in practically all forms of advertising, including newspapers, magazines, and radio.

The Examiner of Interferences was of opinion that the marks in question were not confusingly similar, and, accordingly, dismissed appellee's notice of opposition.

In his decision reversing the decision of the Examiner of Interferences, the Commissioner called attention to appellee's earlier registration No. 25,871, issued January 15, 1895, for use on various toilet preparations, including toilet soap and shaving soap, and stated that the registered mark was now used only in connection with soap and shaving soap. The Commissioner held that the goods of the parties possess the same descriptive properties and that the marks are confusingly similar.

In denying a petition for reconsideration of his decision, the Commissioner called attention to several decisions of this court which need not be referred to here. Prior decisions, except as to statements of law, have but little bearing on the issues presented in trade-mark opposition cases, because of differences in facts.

It is argued by counsel for appellant that when the marks in question are compared, one can easily distinguish one mark from the other, and that, therefore, there would not be confusion in the trade by their concurrent use by the parties.

[4] It is true that by side-by-side comparison one can easily distinguish between the marks in question. However, such comparison is not the test for determining confusing similarity of trade-marks.

Considering all of the facts of record, we are of opinion that the purchasing public would likely be deceived into believing that appellant's goods and those of appellee were made by appellee, and that the marks of the parties are confusingly similar.

For the reasons stated, the decision of the Commissioner is affirmed.

Affirmed.

GARRETT, *P. J.*, did not participate in the consideration or decision of this case.

LENROOT, *J.*, sat during the arguments of this case, but resigned before the opinion was prepared.

U. S. Court of Customs and Patent Appeals

IN RE KUSS ET AL.

No. 4,903. Decided June 26, 1944

[143 F.(2d) 991; 62 U. S. P. Q. 292]

PATENTABILITY—ZINC COMPOUND.

Claims to a process for the manufacture of a zinc compound *Held* patentable over the prior art.

APPEAL from the Patent Office. Reversed.

Mr. Edward P. Gilheany (*Messrs. Stevens & Davis* of counsel) for Kuss et al.

Mr. W. W. Cochran for the Commissioner of Patents.

Mr. T. A. Hostetler (*Mr. Bernard F. Garvey* of counsel) for Alien Property Custodian.

HATFIELD, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting claims 1 to 7, inclusive, and 17 in appellants' application for a patent for an alleged invention relating to a method of preparing pure zinc compounds from impure zinc compounds.

Claims 1, 3, and 6 are sufficiently illustrative of the appealed claims. They read:

1. Process for the manufacture of a zinc compound which comprises electrolyzing with a mercury cathode an impure zinc containing aqueous liquid, whereby an impure, zinc-containing amalgam is obtained, separating the amalgam obtained from the liquid, treating the amalgam to decompose the amalgam only partially and to form a zinc compound, and separating the zinc compound obtained from the amalgam.

3. Process for the manufacture of a zinc compound which comprises electrolyzing with a mercury cathode an impure zinc containing aqueous liquid, whereby an impure, zinc-containing amalgam is obtained, separating the amalgam obtained from the liquid, treating the amalgam with an acid to decompose the amalgam only partially and to form a zinc salt and separating the zinc salt obtained from the amalgam.

6. Process for the manufacture of a zinc compound which comprises electrolyzing with a mercury cathode an impure zinc containing aqueous liquid, whereby an impure, zinc-containing amalgam is obtained, separating the amalgam obtained from the liquid, leading a sulphuric acid solution in turbulent flow over the amalgam, to decompose said amalgam only partially and to form a suspension of zinc sulphate causing the suspended zinc sulphate to settle, separating the settled zinc sulphate from the supernatant liquid and drying it.

The references are: Betts, 791,401, May 30, 1905; Field, 1,429,131, September 12, 1922; Stevens et al., 1,843,006, January 26, 1932; Lanzetti, 2,227,547, January 7, 1941; "Textbook of Inorganic Chem." by Friend—Vol. III part 2, page 154; Zeitschrift für Anorganische and Allgemeine Chemie Vol. 171, pages 83–85.

It appears from appellants' application that one step in their process consists in electrolyzing an aqueous solution of an impure zinc compound with a mercury cathode to obtain an impure zinc-containing amalgam at the mercury cathode.

Appellants' aqueous solution of impure zinc compounds contains large quantities of chlorides of sodium, calcium, and magnesium, and small quantities of copper, cadmium, cobalt, nickel, and iron. In the electrolyzing process, the metals above zinc in the electromotive series are not deposited at the mercury cathode, whereas the metals below zinc in the electromotive series are deposited with the zinc at the mercury cathode to form an impure zinc amalgam. In order to free the zinc from the metals below it in the electromotive series, the amalgam is treated with acid, particularly sulphuric acid, in such manner as to partially decompose it and remove only a portion of the zinc therefrom. The pure zinc compound thus obtained is then separated from the amalgam. Zinc being the highest metal in the electromotive series in the amalgam, it is the first metal to be attacked when the amalgam is treated with acid, and the reason for only partially decomposing the amalgam is that by leaving some of the zinc in the amalgam the contaminating metals are not subjected to the reaction of the acid. Should all of the zinc be removed from the amalgam, the sulphuric acid would then attack the contaminating metals, and, instead of securing a pure zinc compound, an impure zinc compound would result.

The patent to Betts discloses a process for extracting zinc from its ores. The patentee discloses a process of obtaining pure zinc from a solution of zinc sulphate or other zinc salt by subjecting the solution to electrolytic action with a cathode of mercury or mercury-containing zinc. The solution is decomposed by electrolysis and the zinc is deposited on the cathode, forming a mercury-zinc amalgam. The amalgam is then placed in another cell where it is used as the anode and is again subjected to electrolysis. As a result of the patentee's process, the zinc is removed from the amalgam and deposited on the cathode as pure metallic zinc.

It will thus be seen that Betts does not disclose a process for obtaining a zinc compound from the amalgam.

It may be stated at this point that counsel for appellants insist that the starting material in the Betts patent is a pure, rather than an impure, "zinc-containing aqueous liquid," and that, therefore, Betts does not disclose the first step in appellants' process. Owing to the views we hold, it is unnecessary that we determine that issue.

In view of the fact that the patent to Betts does not disclose the third step in appellants' process, that is, treating the amalgam to partially decompose it and form a zinc compound, the Examiner cited the Zeitschrift publication which, he stated, discloses that step.

The Zeitschrift publication discloses that zinc can be removed from an amalgam by treating the amalgam with hydrochloric acid. However, it does not suggest how the amalgam might be treated with acid so as to obtain a pure zinc compound.

The Examiner cited the patent to Field only for the purpose of showing "that a salt solution or slightly acid solution acts preferentially on the zinc of the mercury-zinc amalgam."

The Field patent discloses a process of purifying zinc sulphate solutions by treating them with an amalgam of mercury and zinc, "or," as stated by the Examiner,

"some other metal higher in the electromotive series than mercury, the zinc going into solution and displacing the metallic impurities which are precipitated on the amalgam."

There is nothing in that patent, however, to suggest partially decomposing an amalgam.

The patent to Lanzetti was cited by the Examiner as disclosing a reaction similar to that of applicants, the Examiner stating, in substance, that Lanzetti discloses that a mercury-sodium amalgam is formed by a process of electrolysis; that the amalgam is then

"reacted with sulfur in suspension or with sodium polysulfide to form sodium sulfide";

and that in order to

"avoid the reaction of the sulfur or sulfide with the mercury instead of the zinc an excess of amalgam should always be present and the sodium in the amalgam should never be completely decomposed."

There is no suggestion in the Lanzetti patent that if impurities were present they would not be decomposed by the reacting agent which was employed to decompose the amalgam.

The patent to Stevens et al., and the "Textbook of Inorganic Chem." by Friend were cited as showing that some of the steps in some of the claims were old.

Those references do not disclose the complete process defined in any of the appealed claims.

The Board of Appeals relied on the patent to Betts and the Zeitschrift publication for its rejection of all of the claims, except that it cited the Friend publication which, it stated, shows that it is "old to remove excess sulphuric acid from zinc sulphate by heating it to about 500° C.," which is one of the steps defined in claim 7.

It may be stated that claim 7 also covers the process defined in claim 6. Accordingly, the Friend publication meets only the last step in claim 7.

We have given careful consideration to the decisions of the tribunals of the Patent Office, as well as the arguments in the brief of the Solicitor, but are unable, for the reasons hereinbefore stated, to concur in the views that the appealed claims are not patentable over the references of record.

For the reasons stated, the decision of the Board of Appeals is reversed.

Reversed.

U. S. Court of Customs and Patent Appeals

IN RE BERGER

No. 4,906. Decided June 26, 1944

[143 F.(2d) 971; 62 U. S. P. Q. 299]

1. PATENTABILITY—INVENTION.

"In answer to appellant's contention that where 'experimentation is required, invention of a patentable degree is made,' it is sufficient to say that the cases cited do not support the broad statement of appellant. Experimentation may produce a result through the exercise of the inventive faculty. This has been held to be true in cases where the art taught that the thing could not be done, or did not suggest that it might be done, or where catalytic action or the use of some material was wholly unpredictable."

2. SAME—EVIDENCE AS TO UNEXPECTED SUPERIORITY.

"Many statements appear in appellant's brief concerning the unexpected superiority of the aminotriazine-aldehyde resins over those previously used for brake lining, but there is no evidence in the record to support those statements, other than general assertions in ap-

pellant's application, and such assertions are insufficient. See *In re Greider et al.*, 29 C. C. P. A. 1079, 129 F.(2d) 568, 54 U. S. P. Q. 139, 543 O. G. 436."

3. SAME—BRAKE LINING.

Certain claims severally defining a brake lining and a process of producing brake lining *Held* unpatentable.

APPEAL from the Patent Office. Affirmed.

Mr. James Edwin Archer for Berger.

Mr. W. W. Cochran (*Mr. E. L. Reynolds* of counsel) for the Commissioner of Patents.

HATFIELD, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting all of the claims, 1 to 9, inclusive, in appellant's application for a patent relating to brake linings and a process for making the same.

The instant application discloses processes for manufacturing brake linings by the use of a resinous binder produced by the condensation of an aminotriazine with an aldehyde. This resinous binder is mixed with a suitable filler, such as asbestos, and a resin solvent, and the resulting mixture is either extruded or molded. By the subsequent application of heat and pressure, the solvent is volatilized and the resin polymerized.

Four of the claims (Nos. 1 to 4, inclusive) are directed to the article, and the remaining five claims (Nos. 5 to 9, inclusive) are directed to the process. Claims 1 and 5 may be taken as examples. They read as follows:

1. A brake lining comprising a filler and an aminotriazine-aldehyde resin.

5. A process of producing brake lining which comprises extruding a mixture containing a filler and an aminotriazine-aldehyde resin and a resin solvent, volatilizing the solvent from the extruded material and polymerizing the resin.

Claims 2, 3, and 4 are more specific than claim 1 in that they recite melamine as the aminotriazine and formaldehyde as the aldehyde. Claims 3 and 4 also specify asbestos as the filler, and claim 4 includes an alkyd resin. Claim 6 requires a wetting of the filler with a solvent before mixing with the resin. Claim 7 recites ethyl alcohol as the solvent. Claim 8 is limited to the use of a dry melamine-formaldehyde resin and is directed to a molding rather than an extrusion of the resulting mixture. Claim 9 is also directed to the molding process and requires polymerization of the product to a substantially infusible and substantially insoluble state.

The references are: Achtmeyer, 1,429,267, September 19, 1922; Tennant (British), 455,008, October 12, 1936; Nanfeldt, 2,061,918, November 24, 1936; Nanfeldt, 2,061,919, November 24, 1936; Bloxam (British), 468,677, July 8, 1937; Carpmael (British), 475,072, November 12, 1937; Carpmael (British), 490,688, August 19, 1938.

The Achtmeyer patent relates to a "Phenolic Condensation Product and Methods of Making Same." It discloses the use of phenolic resins prepared from phenol and methylene-diphenyl-diamine in brake lining compositions. The phenol and methylene-diphenyl-diamine are heated together and mixed with a small percentage of paraformaldehyde or trioxymethylene. The patentee states that his composition may be thinned with amyl acetate or alcohol. Asbestos or other brake lining material may be impregnated with the resin and heated, or a mixture of the resin and asbestos material may be molded to the desired shape and heated at higher temperatures to render the final product infusible and insoluble.

The British patent to Tennant relates to the "Manufacture of Condensation Products" and discloses the reaction of diazines and aminotriazines, such as melamine, with lower aliphatic mono-aldehydes, such as formaldehyde and acetaldehyde, the use of solvents, such as alcohols and dioxane, and the use of fillers, such as asbestos, mica, wood meal, and the like. Hardening of the resins and molding or pressing of the resinous masses are also disclosed.

The Nanfeldt patents cover brake band linings containing asbestos fibre and rubber, and a process for making such linings. One step in the process involves the extrusion of a mass consisting of rubber, asbestos fibre, a suitable solvent, and other ingredients. Subsequently, by the application of heat, the solvent is evaporated and the rubber bond is cured or vulcanized by heat and pressure.

The British patent to Bloxam discloses the reaction of aminotriazines with formaldehyde and subsequent polymerization to convert the condensation products

"into resinous products which are infusible and insoluble in water, and are therefore suitable for very many purposes, for instance as binding agents for the production of moulded or laminated products," etc.

The Carpmael British patent, No. 475,072, also relates to the reaction of aminotriazines with aldehydes and states that the

"resins thus obtained may be employed in admixture with other natural or artificial resins such for example as phenol, urea, aniline, alkyd and ketone resins."

The patent further states that

"Practically all articles are obtainable with or without filling materials and dyestuffs, as are known in the industry of phenolic resins."

The other Carpmael British patent, No. 490,688, deals with the manufacture of objects for electrical insulation and construction. It discloses the reaction of aminotriazines with aliphatic aldehydes, the use of fillers, such as wood-dust, cellulose, quartz-dust, and asbestos, and the molding and hardening of the resinous masses.

The Examiner rejected claim 1 as "unpatentable over any one of the British patents," stating that they all disclose aminotriazine-aldehyde resins and fillers. He pointed out that Achtmeyer discloses the use of phenol resins for brake lining and that Carpmael No. 475,072 states that aminotriazine resins may be used like phenol resins. He rejected claim 2 "as claim 1" on the same British patents, pointing out that those patents disclose the use of melamine.

Claim 3 was rejected by the Examiner as unpatentable over the British patents to Tennant and to Carpmael (No. 490,688), which disclose the use of asbestos with the resin.

Claim 4 was rejected as unpatentable on the earlier Carpmael patent, which discloses the addition of an alkyd resin.

As to claim 5, the Examiner stated that the process "is the same as that of Nanfeldt except for the resin" and that the "substitution of a different plastic is not considered a patentable change on the authority of" *In re Dreyfus*, 20 C. C. P. A. (Patents) 1204, 65 F.(2d) 472, 18 U. S. P. Q. 63, 437 O. G. 7, and *In re Seeback*, 24 C. C. P. A. (Patents) 1101, 88 F.(2d) 722, 33 U. S. P. Q. 149, 484 O. G. 503.

With respect to the "wetting" limitation of claim 6, the Examiner was of the opinion that there was no invention in the manner of introducing the solvent and rejected the claim for the same reasons as for claim 5.

He rejected claim 7 as "unpatentable over Nanfeldt for the reasons employed in the rejection of claim 5."

Claim 8 was rejected as "not reading on the elected species and unpatentable in the absence of an allowable generic claim."

As to claim 9, the Examiner was of the opinion that the heat hardening of the resins disclosed by the British patents converts the resin to the infusible and insoluble state and that there is nothing patentable in this limitation. He stated that "claim 9 is rejected as claim 5."

The Board of Appeals referred only to the British patents and to Achtmeyer and apparently relied heavily upon the disclosure of the earlier Carpmael patent that "all articles are obtainable as are known in the industry of phenolic resins," when considered with the disclosure of Achtmeyer showing the use of phenolic resins in brake linings. The Board then said:

It is our view that the known properties of melamine resins obviously suggest their use for brake linings. The fact that melamine resins are more expensive does not indicate invention in their use when they are used because of their known properties.

From appellant's brief, we do not understand that he relies for patentability on the various added features of claims 2, 3 and 4.

As to the process claims, we see no invention over the art where Achtmeyer shows the same process steps with a different resin. The details of claims 5, 6, 7 and 9 are not contended to be patentable over the art. In some cases, process claims are allowed along with composition claims but we do not believe such a rule should be applied to the facts of this case where the process is a conventional one substituting one heat hardening resin for another previously used by Achtmeyer.

In brief, it is our view that anyone skilled in the resin art would immediately see the adaptability of melamine resins as brake linings. The mere fact that applicant was first to use these resins in brake linings is not indicative of invention.

Appellant here contends that none of the references except Nanfeldt and Achtmeyer relate to brake linings; that Nanfeldt's rubber binders are obviously entirely different from those of appellant; that the British patents, while disclosing aminotriazine-aldehyde resins, do not suggest in any way that these resins might be useful as binders in brake linings; that it was not obvious to use aminotriazine-aldehyde resins in this respect because other closely analogous resins, such as the urea-formaldehyde resins, are unsuitable for use as brake linings; and that experimentation was required to discover that the aminotriazine-aldehyde resins are suitable as brake linings. In short, it is the contention of appellant that wherever "experimentation is required, invention of a patentable degree is made"; and in this connection appellant relies upon *In re Sibley*, 24 C. C. P. A. (Patents) 1143, 88 F.(2d) 960, 33 U. S. P. Q. 212, 485 O. G. 21, and *Corona Cord Tire Company* v. *Dovan Chemical Corporation*, 276 U. S. 358, 370 O. G. 1011. Appellant also argues that the use of a new material in a product, machine, or process has often been held to constitute a patentable invention, relying upon *Smith* v. *Goodyear Dental Vulcanite Company*, 93 U. S. 486, 11 O. G. 246.

[1] In answer to appellant's contention that where "experimentation is required, invention of a patentable degree is made," it is sufficient to say that the cases cited do not support the broad statement of appellant. Experimentation may produce a result through the exercise of the inventive faculty. This has been held to be true in cases where the art taught that the thing could not be done, or did not suggest that it might be done, or where catalytic action or the use of some material was wholly unpredictable.

The cases cited and relied upon by appellant do not support his contentions here as the facts in those cases differ from the facts in the instant case.

[2] Many statements appear in appellant's brief concerning the unexpected superiority of the aminotriazine-aldehyde resins over those previously used for brake lining, but there is no evidence in the record to support those statements, other than general assertions in appellant's application, and such assertions are insufficient. See *In re Greider et al.*, 29 C. C. P. A. (Patents) 1079, 129 F.(2d) 568, 54 U. S. P. Q. 139, 543 O. G. 436.

[3] It is our view that the Board of Appeals committed no error in affirming the action of the Examiner in disallowing the claims, for the reasons stated by it. We conclude that since the properties of melamine-formaldehyde resins were well known and the use of phenolic resins in brake lining manufacture was also well known, it would not involve invention to experiment with resins such as those used by appellant and find that they were useful in brake linings. It was old in the art to use asbestos as a filler, and it was also old to extrude or mold brake lining material and treat it as appellant does and as is called for by some of the claims. Appellant may be right in his contention that the brake lining made by his process is a better one than the cited prior art discloses. However, we are of opinion, for the reasons stated that the appealed claims do not involve invention.

Claim 8 being for a non-elected species and there being no reason of appeal assigned concerning that ground of rejection and no generic claim having been allowed, we need give it no further consideration.

The decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE RAY

No. 4,892. Decided June 26, 1944

[143 F.(2d) 966; 62 U. S. P. Q. 290]

PATENTABILITY—THERMOPILE.

Certain claims to a thermopile *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Mr. John Flam for Ray.

Mr. W. W. Cochran for the Commissioner of Patents.

JACKSON, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office rejecting claims 11, 12, 21 and 22 of an application for a patent for improvements in a "Thermoelectric Device" as unpatentable over the prior art. Five claims were allowed.

Claims 11 and 21 are illustrative of the involved subject matter and read as follows:

11. A thermopile comprising a plurality of pairs of thermocouple elements, each pair providing a hot and a cold junction, a compact flexible cable for said thermopile of a length and form suitable for electrically connecting the same to a relatively remote load, and a heat conducting wire secured to each of said cold junctions and extended for a considerable distance within said cable.

21. In a thermoelectric power generating device adapted for mounting in a furnace chamber and there to be influenced by the flame of a pilot burner for a main burner: a plurality of pairs of thermocouple elements joined at their ends in electrical series to form a group of hot and of cold junctions, means mounting said device upon the pilot burner so that said hot junctions are heated by said flame, the length of said thermocouple elements being such that said cold junctions are in said furnace and subjected to the heat produced by the flame of said main burner, and metallic heat conductors respectively joined to said cold junctions and terminating in a region the temperature of which is substantially lower than that of the region of said cold junctions.

The references cited are: Gülcher, 472,261, April 5, 1892; Fisher, 964,961, July 19, 1910; Zethmayr, 1,612,897, January 4, 1927; King, 2,139,504, December 6, 1938; Milnes, 2,232,961, February 25, 1941.

The device of the application is known as a thermopile. The invention has for its general object an increase in the effectiveness of thermoelectric generating devices, particularly with respect to means for conducting heat away from and thus cooling the cold junctions of such a device. It is designed to be used as a pilot to control the burner in structures such as gas stoves.

The involved thermopile comprises a series of wires in pairs, the members of each pair being of dissimilar metals. Near the top of the device where said wires are connected is what is known as the hot junction, and the lower end where they are twisted together is called the cold junction. The hot junction is kept at a higher temperature than the cold junction and thus an electric current is generated.

The Gülcher patent relates to thermoelectric batteries in which electric force is generated by reason of different degrees of heat in the different metal elements.

The Fisher patent relates to a cable construction in the center of which there is a thermal couple made up of two wires of different metals insulated from each other but electrically connected. The difference in temperature at the opposite ends of the thermal couple effects a flow of current. The device of the patent is designed for detecting temperature within the body of an electrical cable.

The Zethmayr patent relates to multiple vacuum thermocouples adapted especially for measuring alternating currents of high frequency. The thermopile is situated within a vacuum bulb and comprises pairs of different metallic elements in wire form connected in series at electrically heated hot junctions where they join at the top and cold junctions at the bottom. The latter junctions are cooled by means of heat conducting wires connected thereto and extending in parallel alinement through the base of the bulb to the outside.

The King patent provides for a thermal responsive control device adapted for use in controlling an oil burner in response to the presence or absence of flame. It includes a thermopile located in the combustion chamber of the oil burner and the thermopile comprises a series of plates connected in series at hot and cold junctions. The cold junctions are connected to the relatively cold waterback surface of the combustion chamber.

The Milnes patent relates to thermoelectric couples and discloses a thermopile including alloys having different thermoelectric properties. A flue transmits heat to the hot junction faces of the device and the other faces of the elements are cooled by means of heat-radiating fins.

The Examiner considered claims 11 and 12 to be unpatentable over the Zethmayr reference, particularly in view of the patent to Fisher. He pointed out that the hot junctions in the device of Zethmayr were heated by a wire and the cold junctions cooled by heat-radiating wires passing through insulation to atmosphere, the wires connecting the heating element and the heat-radiating wires being lead wires to a galvanometer. He stated that there could be no new and unobvious results in forming the lead and cooling wires of the device of the patent into a flexible cable, particularly in view of Fisher.

Claims 21 and 22 were rejected by the Examiner as unpatentable over the Milnes or Gülcher patents and further unpatentable over the King reference, the thermocouple unit of which is mounted in a furnace chamber.

The Board of Appeals, affirming the decision of the Examiner, held claims 11 and 12 properly rejected on the Zethmayr patent alone stating that there was no patentable novelty in positioning the heat-radiating wires of Zethmayr in a cable. It held that claims 21 and 22 were substantially met by the prior art, stating that, while the King patent is the only reference showing the mounting of a thermoelectric generating device within a furnace chamber, the positioning of such device whether in the chamber or outside thereof cannot lend patentability to those claims.

With respect to claims 11 and 12, appellant in his brief relies upon an alleged patentable novelty in forming a "compact flexible cable," which arrangement of the cold junction heat-conducting wires and the lead wires is not shown in the Zethmayr reference. With respect to claims 21 and 22 appellant relies on the alleged error of the Patent Office tribunals in not finding anything patentable in leading the cold junction heat conductors to a point outside the furnace or to a region the temperature of which is substantially lower than that of the region of the cold junctions.

All of the references show pairs of thermocouple elements joined at their ends to form hot and cold junctions. It is apparent that the device of the Zethmayr patent fully meets the limitations of claims 11 and 12 except the housing within a cable of the lead wires and the wires which conduct heat away from the cold junction. If the lead and heat-conducting wires of the device of the patent were grouped together in a cable those claims would be fully met. It is clear that such modification does not require invention, in view of the structure of the device of the Fisher patent.

We are of opinion that claims 21 and 22 were properly rejected. The hot junctions in the device of the Milnes reference are heated by flame and the cold junctions are cooled by copper conductors and fins. In the device of Gülcher the hot junctions are heated by a burner and the cold junctions are cooled by cool copper bands. We agree with the Examiner in not considering the part of the structure in those claims called "main burner" a patentable limitation.

We are further of opinion that claims 21 and 22 were properly rejected as unpatentable over the King reference. The device of the patent shows a thermoelectric device mounted in a furnace, influenced by a burner, the hot junctions heated by flame and the cold junctions also subjected to the heat of the furnace, and the heat conductors joined to the cold junctions, terminating in the waterback wall, a region where the temperature is substantially lower than in the furnace. Appellant alludes in his brief to the King device by stating that at some stages of the operation of the thermopile there the cold junctions reach the same temperature as the hot junctions while a differential is always maintained in the instant device. This difference, however, is not set out in the claims.

We do not consider the limitation in claim 22 that the heat conductors terminate exteriorly of the furnace as rendering that claim patentable over the device of the King patent. While in the patent the heat conductors terminate at the furnace wall, it would be clearly obvious to one skilled in the art, if he so desired, to conduct them through the furnace wall.

The decision of the Board of Appeals is affirmed. Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE OPPENAUER

No. 4,907. Decided June 26, 1944

[143 F.(2d) 974; 62 U. S. P. Q. 297]

1. APPLICATION—DISCLOSURE—AFFIDAVIT INTERPRETING DISCLOSURE.

An affidavit, filed by appellant, purporting to show that the disclosure of his application was sufficient basis for broad claims, refused consideration; "testimony will not be received for the purpose of explaining the disclosure of a pending application except in very exceptional cases."

2. SAME—SAME—SUFFICIENCY OF DISCLOSURE.

"We think that when only a limited number of a large group of chemicals is specifically disclosed as being suitable for a certain process, the mere general reference to the group as a whole in the specification is not sufficient upon which to base a claim to the entire group. * * * the basis for rejecting claims in chemical cases as being unduly broad is the unpredictability of chemical reactions. * * * Before an applicant is entitled to a group in chemical cases involving compounds which differ radically in their properties, as we said in *In re Dreshfield*, 27 C. C. P. A. 1018, 110 F.(2d) 235, 45 U. S. P. Q. 36, 518 O. G. 255, 'it must appear in an applicant's specification "either by the enumeration of a sufficient number of the members of a group or by other appropriate language, that 'the chemicals or chemical combinations'" included in the claims are capable of accomplishing the desired result.'"

3. SAME—SAME—SAME.

The general references by appellant in his specification to "certain alcoholates" and "tertiary metal alcoholates," after setting out only two members, aluminum tertiary alcoholate and chloro-magnesium tertiary alcoholate, as suitable catalysts *Held* not to constitute the "other appropriate language" contemplated in *In re Dreshfield* warranting claims calling for the use in a process for manufacturing polycyclic ketones of a catalyst "selected from a class consisting of the aluminum and chloro-magnesium alcoholates."

4. CLAIMS—BROADER THAN DISCLOSURE.

One claim of appellant's application on a process for manufacturing polycyclic ketones *Held* improperly rejected as broader than warranted by the disclosure of the application; but the other appealed claims *Held* properly rejected on that ground.

APPEAL from the Patent Office. Modified.

Mr. Henry C. Parker for Oppenauer.

Mr. George Foulkes for Alien Property Custodian.

Mr. W. W. Cochran (*Mr. E. L. Reynolds* of counsel) for the Commissioner of Patents.

JACKSON, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office affirming that of the Primary Examiner rejecting claims 64, 66, 68, 69, 72, 75, 78, 80 and 84 of an application for a patent on a "Process for Oxidizing Unsaturated Polycyclic Alcohols," on the ground that they are broader than warranted by the disclosure. No references are relied on. Six claims were allowed.

The invention is described in the statement of the Examiner as follows:

The invention in this case consists in a process for producing unsaturated polycyclic ketones of the cyclopentanopolyhydrophenanthrene series by subjecting a keto-secondary alcohol of said series to the action of a catalyst of the class consisting of aluminum tertiary alcoholates and magnesium tertiary alcoholates in the presence of excess of an organic compound selected from the group consisting of aldehydes and ketones.

Claims 64, 68 and 84 are illustrative of the involved subject matter and read as follows:

64. The process of manufacturing polycyclic ketones which comprises subjecting a secondary alcohol of the cyclopentano-polyhydrophenanthrene series in which it is theoretically possible for at least one hydroxyl group to be replaced by a keto group to the action of an excess of an organic compound selected from the group consisting of aldehydes and ketones in the presence of a metal alcoholate of a tertiary alcohol.

68. The process of manufacturing polycyclic ketones which comprises subjecting an unsaturated polycyclic alcohol in which it is theoretically possible for at least one hydroxyl group to be replaced by a keto group to the action to an excess of an organic compound selected from the group consisting of aldehydes and ketones in the presence of an alcoholate selected from a class consisting of the tertiary aluminum and chloro-magnesium alcoholates.

84. The process of manufacturing polycyclic ketones which comprises subjecting an unsaturated secondary polycyclic alcohol of the cyclopentano-polyhydrophenanthrene series to the action of an organic compound selected from a class consisting of aldehydes and ketones in the presence of a tertiary alcoholate selected from a class consisting of the aluminum and chloro-magnesium alcoholates, the reaction taking place in an inert solvent and at a temperature ranging from 50° to 140° C.

[1] Subsequent to the final rejection by the Examiner and prior to his statement, appellant filed an affidavit by a highly skilled scientist purporting to show that the disclosure of the application was sufficient basis for broad claims. The Examiner held the affidavit to have no pertinence in that the disclosure in an application was not subject to change of scope by means of affidavits either as to facts or opinion. The Board of Appeals made no mention of the affidavit.

The tribunals below rejected claim 64 on the ground that it failed to define "secondary alcohol" as being unsaturated, claims 66, 68 and 78 because of the breadth of the definition of the alcohols, and claims 64, 66, 69, 72, 75, 80 and 84 because the definition of the catalyst was not in accordance with the disclosure.

Appellant in his brief lays great stress upon the affidavit, which sets out the affiant's interpretation of appellant's disclosure. It is well-settled law that testimony will not be received for the purpose of explaining the disclosure of a pending application except in very exceptional cases. *Cooper* v. *Downing*, 45 App. D. C. 345, 1916 C. D. 227, 230 O. G. 909; *Armstrong* v. *Levy*, 58 App. D. C. 293, 29 F.(2d) 953, 1929 C. D. 113, 378 O. G. 736; *Fishburn et al.* v. *Vincent*, 24 C. C. P. A. (Patents) 1079, 88 F.(2d) 711, 33 U. S. P. Q. 156, 484 O. G. 262. We do not think the present case is an exception, and therefore will not consider the affidavit.

The issue here to be decided is whether or not the disclosure of the application is broad enough to permit the allowance of the rejected claims.

In his specification appellant refers to the treatment of unsaturated compounds of the cyclopentano-polyhydrophenanthrene series without indicating in any way that saturated compounds of that series were intended to be employed in his process.

It is quite clear that claim 64 was properly rejected for the reason that the "secondary alcohol" mentioned therein is not limited to an unsaturated alcohol.

Claims 66, 68 and 78 require treatment of "an unsaturated polycyclic alcohol." The position of the tribunals below was that all the unsaturated polycyclic alcohols mentioned in the specification are members of the cyclopentano-polyhydrophenanthrene series, and for the reason that the disclosure was limited to that single class there was no proper basis for claims broadly to the use of all unsaturated polycyclic alcohols. A careful examination of the specification convinces us that the rejection of those claims for the reason stated by the Patent Office tribunals was proper.

Claims 69, 72, 75, 80 and 84 were rejected as being unduly broad in that the catalyst "selected from a class consisting of the aluminum and chloro-magnesium alcoholates" is not limited to a tertiary alcoholate of aluminum and chloro-magnesium, which are the only catalysts in the specification expressly stated to be suitable, although there are contained therein general references to "certain alcoholates" and "tertiary metal alcoholates."

[2][3] We think that when only a limited number of a large group of chemicals is specifically disclosed as being suitable for a certain process, the mere general reference to the group as a whole in the specification is not sufficient upon which to base a claim to the entire group. As was pointed out in the brief of the Solicitor, the basis for rejecting claims in chemical cases as being unduly broad is the unpredictability of chemical reactions. For instance, the fact that in such cases one acid will effect a given result is no indication that all other acids will do so. Before an applicant is entitled to a group in chemical cases involving compounds which differ radically in their properties, as we said in *In re Dreshfield*, 27 C. C. P. A. (Patents) 1013, 110 F.(2d) 235, 45 U. S. P. Q. 36, 518 O. G. 255,

"it must appear in an applicant's specification 'either by the enumeration of a sufficient number of the members of a group or by other appropriate language, that "the chemicals or chemical combinations"' included in the claims are capable of accomplishing the desired result."

In the instant case the general reference to the group as a whole, after setting out only two of its members, does not constitute the "other appropriate language" contemplated in that decision. See also *Matheson* v. *Campbell*, 78 Fed. 910, 1897 C. D. 390, 79 O. G. 686; *In re Macallum et al.*, 26 C. C. P. A. (Patents) 1026, 102 F.(2d) 614, 41 U. S. P. Q. 146, 503 O. G. 309. Accordingly we hold that claims 69, 72, 75 and 80 were properly rejected.

[4] Claim 84 in our opinion should not have been rejected. It subjects an unsaturated secondary polycyclic alcohol of the cyclopentano-polydrophenanthrene series to the action of the stated organic compound in the presence of

"a tertiary alcoholate selected from a class consisting of the aluminum and chloro-magnesium alcoholates, * * *."

Clearly the limitations of that claim are set out in the specification and a mere reading of the claim is sufficient in the light of the specification to confine the catalyst to an alcoholate selected from a class consisting of the tertiary aluminum and chloro-magnesium alcoholates. Therefore the decision of the Board insofar as it rejected claim 84 is reversed.

For the reasons hereinbefore stated the decision of the Board of Appeals is affirmed as to claims 64, 66, 68, 69, 72, 75, 78 and 80 and reversed as to claim 84.

Modified.

Notices of Cancellation

U. S. PATENT OFFICE, *Richmond, Va., Oct. 17, 1944.*

Bartlay Shirt Co. Inc., its assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Cluett, Peabody & Co., Inc., Troy, N. Y., to effect the cancellation of trade-mark registration of Bartlay Shirt Co. Inc., 30–34 West 26th St., New York, N. Y., No. 292,660, dated March 22, 1932, and the notice of such proceeding sent by registered mail to the said Bartlay Shirt Co. Inc., at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Bartlay Shirt Co. Inc., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Richmond, Va., Oct. 19, 1944.*

Oriental Silk Printing Company, its assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Wembley Inc., 910 Poeyfarre St., New Orleans, La., to effect the cancellation of trade-mark registration of Oriental Silk Printing Company, Belmont Ave., Haledon, N. J., No. 194,258, dated January 20, 1925, and the notice of such proceeding sent by registered mail to the said Oriental Silk Printing Company at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Oriental Silk Printing Company, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Richmond, Va., Oct. 27, 1944.*

Weinman & Oelbaum, Inc., its assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Wembley, Inc., 910 Poeyfarre Street, New Orleans, La., to effect the cancellation of trade-mark registration of Weinman & Oelbaum, Inc., 28–30 East 10th Street, New York, N. Y., No. 220,383, dated November 9, 1926, and the notice of such proceeding sent by registered mail to the said Weinman & Oelbaum, Inc. at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Weinman & Oelbaum, Inc., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Richmond, Va., Oct. 27, 1944.*

Truly Warner Stores Corporation, its assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Craddock-Terry Shoe Corporation, Lynchburg, Va., to effect the cancellation of trade-mark registration of Truly Warner Stores Corporation, 24 East 42nd St., New York, N. Y., No. 314,181, dated June 19, 1934, and counsel for said Truly Warner Stores Corporation having stated that they are unable to locate said Truly Warner Stores Corporation, notice is hereby given that unless said Truly Warner Stores Corporation, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Richmond, Va., Oct. 31, 1944.*

AUGUSTINE J. LONG, *his assigns or legal representatives, take notice:*

A petition for cancellation having been filed in this Office by Standard Milling Company, 88 Lexington Ave., New York, N. Y., to effect the cancellation of trade-mark registration of Augustine J. Long, 407 Fifth St., Macon, Georgia, No. 118,422, dated September 4, 1917, renewed September 4, 1937, and the notice of such proceeding sent by registered mail to the said Augustine J. Long at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Augustine J. Long, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,372,460 (*a*), J. Q. Sherman, Autographic register; 1,418,481, same, Printing and punching manifolding paper; 1,425,907, 1,454,822, same, Manifolding typewriter; Re. 19,418, same, Cash drawer manifolding device; 1,454,821, Sherman & Metzner, Flat bed multi-copy machine; 1,745,648, same, Gravity manifold aligning device, D. C., W. D. N. Y., Doc. 2078, *The Standard Register Co.* v. *The American Sales Book Co.* Judgment dismissing complaint Oct. 4, 1944.

1,372,460 (*b*), J. Q. Sherman, Autographic register; 2,000,651, same, Pin feed platen roll; 2,033,868, same, Typewriter aligning and synchronizing mechanism; 1,454,821, Sherman & Metzner, Flat bed multi-copy machine, D. C., W. D. N. Y., Doc. 2155, *Standard Register Co.* v. *American Sales Book Co.* Judgment dismissing complaint Oct. 4, 1944.

1,392,629, 1,890,974, C. P. Dubbs, Process of converting hydrocarbons; 1,537,593, G. Egloff, Process for cracking oil, D. C. Del., Doc. E 1019, *Universal Oil Products Co.* v. *Octane Oil Refining Co.* Dismissed under rule 41(*a*) (notice Oct. 12, 1944).

1,392,629 (*b*), C. P. Dubbs, Process of converting hydrocarbons; 1,488,325, same, Process for treating petroleum, D. C., W. D. Okla. (Oklahoma City), Doc. E 1779, *Universal Oil Products Co.* v. *Omar Refining Co.* Dismissed (notice Sept. 14, 1944).

1,392,629 (*c*), 1,890,974, C. P. Dubbs, Process for converting hydrocarbons; 1,488,325, same, Process for treating petroleum; 1,537,593, G. Egloff, Process for cracking oil, D. C., W. D. Okla. (Oklahoma City), Doc. E 1645, *Universal Oil Products Co.* v. *Anderson Prichard Oil Corp.* Dismissed with prejudice (notice Sept. 18, 1944).

1,418,481. (See 1,372,460 (*a*).)

1,425,907. (See 1,372,460 (*a*).)

1,454,821. (See 1,372,460 (*a*) and (*b*).)

1,454,822. (See 1,372,460 (*a*).)

1,488,325. (See 1,392,629 (*b*) and (*c*).)

1,537,593. (See 1,392,629 (*a*) and (*c*).)

1,687,013, O. A. Frederickson, Armored electric cable; 1,828,772, same, Electric conductor; 1,900,492, same, Armored cable; 1,765,000, H. N. Bockus, Coating for flame-retarding coverings and method of manufacturing same; 1,798,486, D. H. Murphy, Electrical conductor; 2,222,556, 2,222,555, Robinson & Moore, Electrical conductor; 1,863,979, Fullman & Rittelmann, Manufacture of electrical conductors; 1,747,769, same, Apparatus for the manufacture of electrical conductors; 1,958,717, Schake & Peck, Cable marking machine; 2,186.555, G. E. Phillips, Means for marking electrical conductors, D. C. Del., Doc. 196, *Triangle Conduit & Cable Co., Inc.*, v. *National Electric Products Corp.* Patents 1,687,013, 1,900,492, 1,747,769, 1,958,717, and 2,186,555 held not infringed; all five claims of 2,222,555, claims 1 and 2 of 2,222,556, claim 5 of 1,828,772, claims 1 and 2 of 4,863,979, claims 2 and 3 of 1,798,486. and claims 1, 2, 4, 5, and 7 of 1,765,000 held invalid (notice Oct. 6, 1944).

1,722,059, A. L. Riker, Ventilator, appeal filed Oct. 2, 1944, C. C. A., 2d Cir., Doc. 19514, *The Airolite Co. et al.* v. *Air Conditioning Utilities Co.*

1,745,648. (See 1,372,460 (*a*).)

1,747,769. (See 1,687,013.) 1,765,000. (See 1,687,013.)

1,798,486. (See 1,687,013.)

1,807,341. (See Re. 18,237.)

1,828,772. (See 1,687,013.) 1,863,979. (See 1,687,013.)

1,890,974. (See 1,392,629 (*a*) and (*c*).)

1,900,492. (See 1,687,013.)

1,926,579, Burgess & Golley, Method of destroying insects with pyrethrum; 2,006,437, same, Apparatus for diffusing pyrethrum; 2,066,607, same, Apparatus for treating and diffusing pyrethrum, D. C., W. D. Mich. (Grand Rapids), Doc. 407, *The Tanglefoot Co.* v. *W. S. Burgess et al.* Stipulation and order dismissing case without prejudice Oct. 10, 1944.

1,958,717. (See 1,687,013.)

1,994,555, C. Wilson, Frying apparatus, filed Aug. 18, 1944, D. C. Mass., Doc. 2962, *C. Wilson* v. *J. C. Pitman & Sons, Inc.*

2,000,651. (See 1,372,460 (*b*).)

2,006,437. (See 1,926,579.)

2,033,868. (See 1,372,460 (*b*).)

2,053,177, W. L. Bower, Work holder; 2,209,558, Bing & Block, Magnetic clamping appliance, filed Aug. 16, 1944, D. C. Mass., Doc. 2957, *Brown & Sharpe Mfg. Co. et al.* v. *O. S. Walker Co., Inc.*

2,066,607. (See 1,926,579.)

2,067,210, J. Q. Sherman, Attachment for writing machine; 2,095,292, same, Strip feeding and imprinting apparatus; 2,095,293, same, Pin type feeding device; 2,156,315, Sherman & Metzner, Sheet aligning and coating means for writing machines, D. C., W. D. N. Y., Doc. 200, *J. Q. Sherman* v. *American Sales Book Co.* Judgment dismissing complaint Oct. 4, 1944.

2,073,247, B. Miller, Electric flash producing method and apparatus, D. C. Mass., Doc. 1851, *Cities Service Oil Co.* v. *H. E. Edgerton.* Dismissed July 19, 1944.

2,095,292. (See 2,067,210.) 2,095,293. (See 2,067,210.)

2,098,747, Re. 21,247, W. K. Henning, Socket; Re. 20,162 A. M. Draving, Molded socket, D. C., E. D. Ill. (Danville), Doc. 65–D, *Hugh H. Eby, Inc.*, v. *Meissner Mfg. Co.* Dismissed upon motion of plaintiff Oct. 7, 1944.

2,103,643, F. M. Salomon, Device adapted to eliminate oscillations, D. C., S. D. Ind. (Indianapolis), Doc. 509, *Wright Aeronautical Corp. et al.* v. *General Motors Corp.* Dismissed for want of equity Oct. 6, 1944.

2,111,705, F. J. Tobacco, Shoe manufacture, filed Oct. 7, 1944, D. C., S. D. N. Y., Doc. 27/554, *Delman, Inc.*, v. *Saks & Co.*

2,156,315. (See 2,067,210.) 2,186,555. (See 1,687,013.)

2,208,533, R. Armory, Household blanket, filed Nov. 17, 1943, D. C. Mass., Doc. 2540, *Nashau Mfg. Co.* v. *Lincoln Stores, Inc.*

2,209,558. (See 2,053,177.) 2,222,555. (See 1,687,013.)

2,222,556. (See 1,687,013.)

2,244,868, E. W. Dunbar, Manufacture of shoes, D. C. Mass., Doc. 1552, *Cambridge Rubber Co. et al.* v. *C. D. Malaguti et al.* Stipulation of dismissal Sept. 12, 1944.

2,284,508, S. D. Bert, Glass forming machine, filed Oct. 12, 1944, D. C., W. D. Pa., Doc. 3337, *S. D. Bert et al.* v. *Hazel-Atlas Glass Co.*

Re. 18,237 (of 1,807,341), M. C. Messler, Cushioning insole for boots and shoes, appeal filed Oct. 3, 1944, C. C. A., 2d Cir., Doc. 19519, *M. Messler* v. *U. S. Rubber Co.*

Re. 19,418. (See 1,372,460 (*a*).)

Re. 20,162. (See 2,098,747.)

Re. 21,247. (See 2,098,747.)

Re. 21,313, G. Desaguat, Decorative wall covering, filed Oct. 5, 1944, D. C., S. D. N. Y., Doc. 27/541, *G. Desaguat et al.* v. *Kukoff Mfg. Co.*

TRADE-MARKS

OFFICIAL GAZETTE, NOVEMBER 21, 1944

[VOL. 568. No. 3]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 2

RECEPTACLES

Ser. No. 463,732. IVERS-LEE COMPANY, Newark, N. J. Filed Sept. 28, 1943.

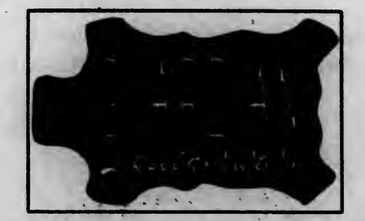
K-PAK

The word "Pak" is disclaimed apart from the mark.
FOR MERCHANDISE ENVELOPES FORMED OF "CELLOPHANE," "PLIOFILM," OR THE LIKE, WITH OR WITHOUT PAPER COVERS.
Claims use since Oct. 13, 1939.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 472,198. GUARDIAN LEATHER & NOVELTY CO., New York, N. Y. Filed July 13, 1944.



No claim is made to the word "Leatherware" apart from the mark.
FOR WALLETS, DRESSING CASES, CHANGE PURSES, BILL FOLDS, SUITCASES, AND PORTFOLIOS.
Claims use since June 1, 1944.

Ser. No. 473,029. JOHN-FREDERICS, doing business as John Frederics, New York, N. Y. Filed Aug. 7, 1944.

JOHN FREDERICS NEW-YORK THE GOLDEN ARROW

The name "John Frederics" and the term "New York" are disclaimed apart from the mark.
FOR LADIES' HANDBAGS, OF LEATHER, FABRIC, AND PLASTIC MATERIALS, OR COMBINATIONS THEREOF.
Claims use since June 8, 1943.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 461,438. THE HEWITT SOAP COMPANY, INC., Dayton, Ohio. Filed June 16, 1943.

Blossom Time

FOR SOAP.
Claims use since March 1941.

Ser. No. 471,810. MEDICATED PRODUCTS COMPANY, Chicago, Ill. Filed June 29, 1944.

OLD ORCHID

No claim is made to the word "Orchid" alone.
FOR BRUSHLESS SHAVING CREAM.
Claims use since Jan. 10, 1933.

Ser. No. 472,599. VITA-VAR CORPORATION, Newark, N. J. Filed July 24, 1944.

RAYDIZED

FOR CLEANING AND POLISHING PREPARATION FOR SILVERWARE, METALS OF ALL TYPES, GLASS, AND MIRRORS, WHICH MAY ALSO BE USED FOR CLEANING AND POLISHING FURNITURE, FLOORS AND WOODWORK.
Claims use since May 15, 1944.

Ser. No. 472,700. ANNA KIRIAKOS, Detroit, Mich. Filed July 28, 1944.

PARTHENON

FOR SOAP.
Claims use since April 1940.

Ser. No. 472,938. CIBA COMPANY, INC., New York, N. Y. Filed Aug. 4, 1944.

SOLVADINE

FOR DETERGENT AND SPOTTING COMPOUNDS IN LIQUID FORM USED IN THE WET PROCESSING OF TEXTILES.
Claims use since Mar. 14, 1940.

Ser. No. 472,939. CIBA COMPANY, INC., New York, N. Y. Filed Aug. 4, 1944.

TERGAVON

FOR DETERGENTS IN POWDER AND FLAKE FORM PRIMARILY USED IN THE WET PROCESSING OF TEXTILES.
Claims use since Mar. 8, 1940.

Ser. No. 473,130. J. K. SMIT & SONS, INC., New York, N. Y. Filed Aug. 9, 1944.

VITRINOID

FOR DIAMOND ABRASIVE WHEELS.
Claims use since July 29, 1944.

Ser. No. 473,510. NATIONAL TOILET COMPANY, doing business as Merrit Distributors, Paris, Tenn. Filed Aug. 22, 1944.

Gay 16

FOR SOAP.
Claims use since Feb. 12, 1942.

Ser. No. 473,706. QUAKER CHEMICAL PRODUCTS CORPORATION, Conshohocken, Pa. Filed Aug. 29, 1944.

QUAKER DIANOL

FOR CLEANING, CLEANSING, AND WETTING MATERIALS, PARTICULARLY ADAPTED FOR SCOURING AND WASHING TEXTILE FIBRES AND FABRICS.
Claims use since Nov. 30, 1939.

Ser. No. 473,790. SUPRASOL LIMITED, Toronto, Ontario, Canada. Filed Aug. 31, 1944.

Woolsol

FOR SOAPLESS CLEANSERS.
Claims use since Mar. 1, 1937.

CLASS 5

ADHESIVES

Ser. No. 472,907. REICHHOLD CHEMICALS, INC., Detroit, Mich. Filed Aug. 3, 1944.

PLYAMINE

FOR SYNTHETIC PLASTIC RESINS AND SOLUTIONS CONTAINING THE SAME FOR BONDING, LAMINATING AND ADHESIVE PURPOSES.
Claims use since May 13, 1944.

Ser. No. 473,398. ROXALIN FLEXIBLE FINISHES, INC., Elizabeth, N. J. Filed Aug. 17, 1944.

ROXALIN

FOR NATURAL AND SYNTHETIC RESINOUS AND CELLULOSIC ADHESIVE COMPOUNDS, EMULSIONS AND SOLUTIONS FOR BONDING LIKE AND UNLIKE MATERIALS TO ONE ANOTHER.
Claims use since 1925.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 465,922. IRRESISTIBLE, INC., Jersey City, N. J. Filed Dec. 20, 1943.

Whip-Text

FOR LIPSTICK, COLD CREAM, VANISHING CREAM, HAND CREAM, AND DRY SKIN CREAM.
Claims use since Feb. 1, 1940.

Ser. No. 467,039. ROBERT H. MCBRADY, doing business as Ro-Jo Curio Co., Chicago, Ill. Filed Jan. 31, 1944.

INDIAN LOVE CALL

FOR PERFUME, SACHET POWDER, SKIN CREAM, SKIN LOTIONS, FACE POWDER, AND HAIR TONIC AND POMADE.
Claims use since Nov. 15, 1943.

Ser. No. 467,669. NIPS, INC., New York, N. Y. Filed Feb. 22, 1944.

Nips

FOR PERFUMES.
Claims use since Apr. 14, 1919.

Ser. No. 471,146. W. M. BURKE, doing business as Chic-A-Ree Products Co., Burlington, N. C. Filed June 12, 1944.

CHIC-A-REE

FOR PREPARATION FOR THE TREATMENT OF COCCIDIOSIS IN POULTRY.
Claims use since Jan. 1, 1944.

Ser. No. 471,185. GALEN LABORATORIES, Pittsburgh, Pa. Filed June 13, 1944.

ASTARTE

FOR SCALP CREAM, NIGHT CREAM, NAIL CREAM, EYE CREAM, HAND CREAM, CLEANSING CREAM, PORE CLEANSER, SKIN LOTION, HAIR LOTION, SKIN WASH, TALC, DUSTING POWDER, FOOT POWDER, BATH POWDER, FACE POWDER, EYE LOTION, EYE BALM, ACNE LOTION, PERSONAL DEODORANT, HAIR DEODORANT, CHAFE POWDER, COLOGNE, PERFUME, TOILET WATER, LIP STICK, SACHET, ROUGE, EYE SHADOW, MASACARA AND MAKE-UP CAKE.
Claims use since May 5, 1944.

Ser. No. 471,929. LEDERLE LABORATORIES, INC., New York, N. Y. Filed July 5, 1944.

LENTABS

FOR GELATIN TABLETS CONSISTING OF GELATIN EMULSION OF VARIOUS DRUGS, INCLUDING THE OIL SOLUBLE VITAMINS AND NATURAL ESTROGENS WHICH ARE USED FOR THE TREATMENT OF VITAMIN AND HORMONE DEFICIENCIES.
Claims use since Sept. 27, 1943.

Ser. No. 472,321. GENERAL DYESTUFF CORPORATION, New York, N. Y. Filed July 17, 1944.

CELFON

FOR ALKALI SOLUBLE FINISHES FOR CELLULOSE MATERIALS INCLUDING COTTON AND RAYON—NAMELY, ALKALI SOLUBLE CELLULOSE ETHERS, ESTERS, AND ZINCATES.
Claims use since June 17, 1944.

Ser. No. 472,545. MARTHA BAKER, Burlingame, Calif. Filed July 24, 1944.

Essence Conversation

No claim is made to the word "Essence" apart from the mark.
FOR TOILET WATERS.
Claims use since Oct. 1, 1938.

Ser. No. 472,934. CIBA COMPANY, INC., New York, N. Y. Filed Aug. 4, 1944.

RADUL

FOR DULLING COMPOUND, A SUBSTANCE APPLIED EITHER WITH THE COLOR OR AFTER THE COLOR HAS BEEN APPLIED TO FIBROUS MATERIAL, IN ORDER TO PRODUCE A DULL FINISH.
Claims use since Jan. 8, 1942.

Ser. No. 472,961. JEAN NATE, INC., New York, N. Y. Filed Aug. 4, 1944.

1-4-3

FOR PERFUMES AND TOILET WATERS.
Claims use since July 25, 1944.

Ser. No. 473,003. WHITE LABORATORIES, INC., Newark, N. J. Filed Aug. 5, 1944.

MOL-IRON

No claim is made to the word "Iron" apart from the mark.
FOR PREPARATION FOR THE TREATMENT OF IRON-DEFICIENCY ANEMIAS.
Claims use since Aug. 1, 1944.

Ser. No. 473,258. JOHN L. PRIESS, Chicago, Ill. Filed Aug. 14, 1944.

Creation

FOR DRY PERFUME.
Claims use since Mar. 10, 1939.

Ser. No. 473,263. AMERICAN CYANAMID COMPANY, New York, N. Y. Filed Aug. 15, 1944.

Lanaset

FOR ALKYLATED METHYLOL-MELAMINES FOR THE SHRINKAGE CONTROL OF WOOL AND WOOLEN MIXED GOODS.
Claims use since May 24, 1944.

Ser. No. 473,280. CHARLES C. HASKELL & CO., INC., Richmond, Va. Filed Aug. 15, 1944.

ALINESE

FOR MEDICINAL PREPARATION CONTAINING ALUMINUM HYDROXIDE, MAGNESIUM TRISILICATE AND REDUCED IRON FOR THE TREATMENT OF GASTRIC HYPERACIDITY.
Claims use since June 15, 1944.

Ser. No. 473,299. AMES COMPANY, INC., Elkhart, Ind. Filed Aug. 16, 1944.

ACETEST

FOR REAGENT TABLET FOR THE PURPOSE OF DETECTING ACETONE IN URINE, BLOOD, MILK, AND OTHER BODY FLUIDS.
Claims use since July 25, 1944.

Ser. No. 473,302. AMES COMPANY, INC., Elkhart, Ind. Filed Aug. 16, 1944.

HEMTEST

FOR REAGENT TABLET FOR THE PURPOSE OF DETECTING THE PRESENCE OF OCCULT BLOOD.
Claims use since July 25, 1944.

Ser. No. 473,370. GUERLAIN PERFUMERY CORPORATION OF DELAWARE, Wilmington, Del., and New York, N. Y. Filed Aug. 17, 1944.

APRÉS L'ONDÉE

FOR PERFUMES AND TOILET WATER.
Claims use since 1906.

Ser. No. 473,374. GUERLAIN PERFUMERY CORPORATION OF DELAWARE, Wilmington, Del., and New York, N. Y. Filed Aug. 17, 1944.

GUERLINADE

FOR PERFUMES AND TOILET WATER.
Claims use since 1922.

Ser. No. 473,379. GUERLAIN PERFUMERY CORPORATION OF DELAWARE, Wilmington, Del., and New York, N. Y. Filed Aug. 17, 1944.

RUE DE LA PAIX

FOR PERFUMES AND TOILET WATER.
Claims use since 1908.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 469,081. LANE TOBACCO, LTD., New York, N. Y. Filed Apr. 6, 1944.

SINCE 1890

GOLDEN BRIAR

The words "Golden Briar" are disclaimed apart from the mark.
FOR PIPES, PIPE CASES, PIPE STANDS, COMBINATION HUMIDOR AND PIPE CASES, HUMIDORS, COMBINATION ASH AND SMOKING TRAYS, PIPE KNOCKER TRAYS, CIGAR AND CIGARETTE HOLDERS, TOBACCO POUCHES, PIPE CLEANERS, PIPE SCRAPERS, PIPE REAMERS, PIPE COVERS, LIQUID PIPE SWEETENERS, CIGARETTE PAPER, CIGARETTE TUBES, HAND OPERATED CIGARETTE MACHINES, TOBACCO CANISTERS, AND CIGAR AND CIGARETTE CASES.
Claims use since May 1939.

Ser. No. 469,082. LANE TOBACCO, LTD., New York, N. Y. Filed Apr. 6, 1944.

SINCE 1890

Mountbatten

The name "Mountbatten" is disclaimed apart from the mark.
FOR PIPES, PIPE CASES, PIPE STANDS, COMBINATION HUMIDOR AND PIPE CASES, HUMIDORS, COMBINATION ASH AND SMOKING TRAYS, PIPE KNOCKER TRAYS, CIGAR AND CIGARETTE HOLDERS, TOBACCO POUCHES, PIPE CLEANERS, PIPE SCRAPERS, PIPE REAMERS, PIPE COVERS, LIQUID PIPE SWEETENERS, CIGARETTE PAPER, CIGARETTE TUBES, HAND OPERATED CIGARETTE MACHINES, TOBACCO CANISTERS, AND CIGAR AND CIGARETTE CASES.
Claims use since May 1939.

Ser. No. 469,084. LANE TOBACCO, LTD., New York, N. Y. Filed Apr. 6, 1944.

SINCE 1890

THE ROYAL LANE

FOR PIPES, PIPE CASES, PIPE STANDS, COMBINATION HUMIDOR AND PIPE CASES, HUMIDORS, COMBINATION ASH AND SMOKING TRAYS, PIPE KNOCKER TRAYS, CIGAR AND CIGARETTE HOLDERS, TOBACCO POUCHES, PIPE CLEANERS, PIPE SCRAPERS, PIPE REAMERS, PIPE COVERS, LIQUID PIPE SWEETENERS, CIGARETTE PAPER, CIGARETTE TUBES, HAND OPERATED CIGARETTE MACHINES, TOBACCO CANISTERS, AND CIGAR AND CIGARETTE CASES.
Claims use since May 1939.

CLASS 9

EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES

Ser. No. 473,960. REMINGTON ARMS COMPANY, INC., Bridgeport, Conn. Filed Sept. 7, 1944.

HELLCAT

FOR FIREARMS — NAMELY, MILITARY AND SPORTING RIFLES, SHOTGUNS, PISTOLS, AIR RIFLES, AND PARTS THEREOF; AND AMMUNITION—NAMELY, METALLIC CARTRIDGES, METALLIC SHOT SHELLS, PAPER SHOT SHELLS, EMPTY METALLIC AND PAPER SHELLS, BLANK CARTRIDGES, CAPS, PRIMERS, WADS, SHOT AND BULLETS.
Claims use since June 17, 1944.

Ser. No. 473,961. REMINGTON ARMS COMPANY, INC., Bridgeport, Conn. Filed Sept. 7, 1944.

SNIPER

FOR FIREARMS — NAMELY, MILITARY AND SPORTING RIFLES, SHOTGUNS, PISTOLS, AIR RIFLES, AND PARTS THEREOF; AND AMMUNITION—NAMELY, METALLIC CARTRIDGES, METALLIC SHOT SHELLS, PAPER SHOT SHELLS, EMPTY METALLIC AND PAPER SHELLS, BLANK CARTRIDGES, CAPS, PRIMERS, WADS, SHOT AND BULLETS.
Claims use since June 17, 1944.

Ser. No. 473,962. REMINGTON ARMS COMPANY, INC., Bridgeport, Conn. Filed Sept. 7, 1944.

SPITFIRE

FOR FIREARMS — NAMELY, MILITARY AND SPORTING RIFLES, SHOTGUNS, PISTOLS, AIR RIFLES, AND PARTS THEREOF; AND AMMUNITION—NAMELY, METALLIC CARTRIDGES, METALLIC SHOT SHELLS, PAPER SHOT SHELLS, EMPTY METALLIC AND PAPER SHELLS, BLANK CARTRIDGES, CAPS, PRIMERS, WADS, SHOT AND BULLETS.
Claims use since June 17, 1944.

Ser. No. 473,963. REMINGTON ARMS COMPANY, INC., Bridgeport, Conn. Filed Sept. 7, 1944.

MUSTANG

FOR FIREARMS — NAMELY, MILITARY AND SPORTING RIFLES, SHOTGUNS, PISTOLS, AIR RIFLES, AND PARTS THEREOF; AND AMMUNITION—NAMELY, METALLIC CARTRIDGES, METALLIC SHOT SHELLS, PAPER SHOT SHELLS, EMPTY METALLIC AND PAPER SHELLS, BLANK CARTRIDGES, CAPS, PRIMERS, WADS, SHOT AND BULLETS.
Claims use since June 17, 1944.

Ser. No. 473,964. REMINGTON ARMS COMPANY, INC., Bridgeport, Conn. Filed Sept. 7, 1944.

THUNDERBOLT

FOR FIREARMS — NAMELY, MILITARY AND SPORTING RIFLES, SHOTGUNS, PISTOLS, AIR RIFLES, AND PARTS THEREOF; AND AMMUNITION—NAMELY, METALLIC CARTRIDGES, METALLIC SHOT SHELLS, PAPER SHOT SHELLS, EMPTY METALLIC AND PAPER SHELLS, BLANK CARTRIDGES, CAPS, PRIMERS, WADS, SHOT AND BULLETS.
Claims use since June 17, 1944.

Ser. No. 474,207. PLASTIC MANUFACTURERS, INCORPORATED, Stamford, Conn. Filed Sept. 14, 1944.

PM

FOR AIRCRAFT GUN TURRET AND FIRING CONTROL GRIPS.
Claims use since June 28, 1943.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 466,273. GENERAL REFRACTORIES COMPANY, Philadelphia, Pa. Filed Jan. 3, 1944.

ACIDO

FOR STANDARD AND SPECIAL SHAPES OF BRICK AND TILE.
Claims use since June 25, 1925.

Ser. No. 466,284. GENERAL REFRACTORIES COMPANY, Philadelphia, Pa. Filed Jan. 3, 1944. Under 10-year proviso.

RIDGE

FOR STANDARD REFRACTORY BRICK.
Claims use since 1878.

Ser. No. 466,285. GENERAL REFRACTORIES COMPANY, Philadelphia, Pa. Filed Jan. 3, 1944.

SEMALU

FOR STANDARD REFRACTORY BRICK.
Claims use since January 1929.

Ser. No. 471,618. PACKING PRODUCTS COMPANY, New York, N. Y. Filed June 24, 1944.

GOOD NEIGHBOR

FOR EXPANDED STEEL METAL LATH, FINISHED STEEL BEAMS AND REINFORCING STEEL BARS.
Claims use since Jan. 28, 1941.

Ser. No. 472,378. THE EAGLE-PICHER LEAD COMPANY, Cincinnati, Ohio. Filed July 19, 1944.

HADESITE

FOR INSULATING AND FIREPROOF CEMENT COMPOSED OF CALCINED DIATOMACEOUS EARTH, INSULATING MATERIALS AND BINDERS.
Claims use since July 13, 1944.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 469,807. CORN PRODUCTS REFINING COMPANY, New York, N. Y. Filed Apr. 29, 1944.

Coprein

FOR PROTEIN MATERIAL USED AS A BINDER AND EMULSIFYING AGENT IN COLD WATER PAINTS.
Claims use since Mar. 10, 1944.

Ser. No. 472,148. W. W. LAWRENCE AND COMPANY, Pittsburgh, Pa. Filed July 12, 1944.

GOLD STAR PRODUCTS

The drawing is lined for gold. No claim is made to the words "Products" apart from the mark.
FOR PAINTS (IN LIQUID, SEMI-PASTE, AND PASTE FORM), PAINT ENAMELS, VARNISHES, AND VARNISH STAIN.
Claims use since September 1919.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 469,085. LANE TOBACCO, LTD., New York, N. Y. Filed Apr. 6, 1944.

TEN-ELEVEN
SMOKING MIXTURE
mild and slightly aromatic
1911

The lining indicates the color red. The words "Smoking Mixture" and "mild and slightly aromatic" are disclaimed apart from the mark.
FOR CIGARETTES, CIGARS, SNUFF TOBACCO, PIPE TOBACCO, CHEWING TOBACCO, LEAF TOBACCO, CIGAR TOBACCO, CIGARETTE TOBACCO, AND TOBACCO WRAPPERS FOR CIGARETTES—NAMELY, TOBACCO LEAVES.
Claims use since May 1939.

Ser. No. 472,651. J. A. PATTREIOUEX (OVERSEAS) LIMITED, London, England. Filed July 26, 1944.

SENIOR SERVICE
The Perfection of Cigarette Luxury
J. A. PATTREIOUEX LTD. LONDON ENGLAND

The representation of the label and all wording except "Senior" are disclaimed apart from the mark.
FOR MANUFACTURED TOBACCO—NAMELY, CIGARETTES.
Claims use since Apr. 4, 1938.

CLASS 19

VEHICLES

Ser. No. 470,001. NORTHROP AIRCRAFT, INC., Hawthorne, Calif. Filed May 6, 1944.

FLYING WING

FOR AIRPLANES.
Claims use since Aug. 1, 1939.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 469,746. BURTON MANUFACTURING CO., Chicago, Ill. Filed Apr. 28, 1944.

U-VILAIRE

FOR ULTRA-VIOLET LAMPS FOR REDUCTION OF AIR-BORNE BACTERIA.
Claims use since Apr. 1, 1944.

Ser. No. 470,534. THE LINCOLN ELECTRIC COMPANY, Cleveland, Ohio. Filed May 23, 1944. Under 10-year proviso as to "Lincoln."

LINCOLNWELD

No claim is made to the word "Weld" apart from the mark.
FOR WELDING MACHINES, WELDING HEADS, MOTORS, GENERATORS, CONVERTERS, TRANSFORMERS AND CONTROL DEVICES FOR ELECTRIC ARC WELDING AND PARTS THEREOF.
Claims use since 1894 for "Lincoln;" and since Mar. 19, 1943, for "Lincolnweld."

Ser. No. 472,715. REMINGTON RAND INC., Buffalo, N. Y. Filed July 28, 1944.

VERICON

FOR ELECTRON DISCHARGE DEVICES—NAMELY, RADIO AND TELEVISION TUBES.
Claims use since Mar. 20, 1944.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 464,564. BEACON PRODUCTS CORPORATION, Boston, Mass. Filed Nov. 1, 1943.

GOOD HABIT BANK

The word "Bank" is disclaimed apart from the mark.
FOR TOY BANKS.
Claims use since Aug. 1, 1943.

Ser. No. 474,368. RAY W. ALBAN, Gooding, Idaho. Filed Sept. 19, 1944.

Original RENEGADE

The word "Original" is disclaimed apart from the mark.
FOR ARTIFICIAL FISHING FLIES.
Claims use since May 15, 1936.

Ser. No. 474,437. ANIMAKER CO., Chicago, Ill. Filed Sept. 21, 1944.

ANIMAKERS

FOR SETS OF TOY BUILDING BLOCKS.
Claims use since Sept. 2, 1944.

Ser. No. 474,470. FRED ARBOGAST, Akron, Ohio. Filed Sept. 22, 1944.

Hula Dancer

FOR ARTIFICIAL FISH BAIT.
Claims use since Aug. 1, 1944.

Ser. No. 474,734. LEE ORNSTEIN, doing business as Lee Industries, Chicago, Ill. Filed Sept. 29, 1944.

MAGIBOARD

FOR TALKING-BOARDS.
Claims use since July 17, 1944.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 471,480. KENSINGTON STEEL COMPANY, Chicago, Ill. Filed June 21, 1944.

OROLOY

FOR GEARS, PINIONS, MIXER ARMS, MIXER ARM TIPS, LINER PLATES, AND PRESSURE PLATES FOR ASPHALT MIXERS; BODY LINERS, DISCHARGE GRATES, END LINERS, MAN-HOLE LINERS, GEARS, LIFTER BARS, PARTITION GRATES, PINIONS, ROLLERS, SCOOP FEEDER LIPS, AND SHAFT PROTECTOR PLATES FOR BALL MILLS, ROD MILLS, TUBE MILLS AND KOMINUTERS; BRACES, BUSHINGS, PINS, HINGE CASTINGS, AND SCRAPER BLADES FOR BALLAST SPREADERS; BELL ROD-PROTECTORS, CHARGING-BUGGY WHEELS AND LUGS FOR PIG-BREAKERS FOR BLAST FURNACES; AUGERS, CAMS, CAM GUIDES, CLAY ROLLS, KNIVES, GEARS, AND PINIONS FOR BRICK MACHINES; BUSHINGS, PINS, LEAVES, TIPS FOR LEAVES, LIPS, TEETH, SHANKS, SHEAVES, SIDE ARMS, AND TRAYS FOR CLAM-SHELL AND ORANGE-PEEL BUCKETS; GEARS, PINIONS, ROLL TEETH, TOOTHED ROLLS IN ONE-PIECE, AND TOOTHED ROLL SEGMENTS FOR COAL BREAKING MACHINES; BUSHINGS, CARBON SCRAPER TIPS, GRIZZLY BARS, GRIZZLY DISCS, RACKS, SCOOPS, SHOVEL BODIES, SHOVEL WINGS, SPROCKETS, SCREEN PLATES, WEARING PLATES, AND WHEELS FOR COKE MACHINES; GROUSERS, GEARS, MIXER ARMS, PADDLES, ROLLERS, TIRES, AND WEARING PLATES FOR CONCRETE MIXERS AND PAVING MACHINES; ELEVATOR BUCKETS, ELEVATOR BUCKET LIPS, FLIGHTS, GUDGEONS, GUDGEON BEARINGS, BEARING CAPS, HANGER CASINGS, HANGERS, IDLERS, AND WEARING PLATES FOR CONVEYORS; TREAD LINKS, GROUSERS, PINS, BUSHINGS, ONE-PIECE AND RENEWABLE TOOTH SPROCKETS, ROLLERS, TEETH, LIPS, AND SHEAVES FOR SHOVELS, CRANES AND EXCAVATORS; ONE-PIECE AND SEGMENTAL ROLL SHELLS, ROLL SIDE LINERS, ROLL STAVES, SLUGGER PLATES, AND SLUGGER TEETH FOR CRUSHING ROLLS; ONE-PIECE TEETH, TWO-PIECE TEETH WITH REVERSIBLE POINTS, TRUNNIONS, CLEVISES, WEARING PLATES, LIPS, AND BUSHINGS FOR DRAGLINE BUCKETS; BUCKETS, LIPS, BUSHINGS, BUCKET PINS, LADDER ROLLERS, DUMP CHUTES, TUMBLERS, TUMBLER WEARING PLATES, SHEAVES, GEARS, PINIONS, SPUD POINTS, SPUD RACKS, SPUD PINIONS, BUCKET LINKS, RIFFLE BARS, SCREEN TIRES, SCREEN ROLLERS, SCREEN PLATES, AND SCREEN BARS FOR PLACER GOLD DREDGES; BUCKETS, TEETH, PLOWS, SIDE CUTTERS, BUSHINGS, ROLLERS, GEARS, PINIONS, TREADS, SLATS, BUCKET CLEANER ARMS, BRACKETS, AND ROLLERS FOR EXCAVATORS; YOKES, PUSHERS, AND PUSHER PINS FOR FULLER MILLS; BEVEL, MITRE, SPUR AND SPLIT GEARS; FLIGHTS AND LINERS FOR GRIFFIN MILLS; CONCAVES, WEARING PLATES, DIAPHRAGM LINERS, HOPPER SEGMENTS, SPIDER ARM SHIELDS, DUST RINGS, HEADS, MANTLES, DUST CAPS, AND FLOOR PLATES FOR GYRATORY CRUSHERS; WINDING DRUMS AND SHEAVES FOR HOISTING ENGINES; MOVABLE AND FIXED JAW PLATES, CHEEK PLATES, TOGGLES, TOGGLE BEARINGS, ROLLERS, AND LINERS FOR JAW CRUSHERS; BUCKETS, LIPS, DISCS, PADDLE BLADES, AND PADDLES FOR LEADERS; SHEAVES, FRAMES, PINS, BUSHINGS FOR LOGGING BLOCKS; GEARS, PINIONS, SHEAVES, LINERS, AND WEARING PLATES FOR LUMBER, PULP AND PAPER MILLS; RIFFLE BARS, GRIZZLY BARS, GRIZZLY BAR TOPS, GRIZZLY BAR SPACERS, GRIZZLY BAR CLEATS, SLUICE LINERS, CHUTE LINERS, PIPE, ELBOWS, DEFLECTOR CASTINGS FOR HYDRAULIC MINES; SHEAVES, GEARS, AND PINIONS FOR OIL WELL DRILLING RIGS; GRIZZLY BARS, CURVED OR FLAT CHUTE LINERS, GRIZZLY BAR SPACERS, DUMP PLATES, ROLLERS, GEARS, PINIONS, CAMS, RAKES, LAUNDER LINERS, AND ORE FEEDER CHAIN FOR ORE BINS, CHUTES AND CLASSIFIERS; LIPS, TEETH, BUSHINGS, PINS, GEARS, PINIONS FOR ORE LOADERS AND MUCKERS; MULLER TIRES, MULLER PLATES, PLOWS, SCRAPERS, PAN RIM LINERS, GEARS, PINIONS, SHAFT SUPPORTS, TOES, AND SCREEN PLATES FOR DRY AND WET PANS; BEVEL, MITRE, SPUR, SPLIT AND MILL PINIONS; KNIVES, KNIFE TIPS AND SHANKS, GEARS, AND PINIONS FOR PUG MILLS; HAMMERS, HAMMER TIPS, HAMMER SHANKS, RINGS, GRATE BARS, GRATES, BREAKER PLATES, BEATERS, PLOWS, LINERS, AND CAGE BARS FOR PULVERIZERS; BEATER BLADES, ROLLERS, PLOWS, LINERS, GEARS, PINIONS FOR PULVERIZING MILLS; YOKES, PICKS, GEARS, AND PINIONS FOR ROAD ROLLERS; IDLER, TRUCK, BOOM, PULVERIZING MILL, CONVEYOR, AND TRUNNION ROLLERS; CONES, HOPPERS, SHELLS, DIES, MORTARS, PESTLES, BUCKING BOARDS FOR SAMPLE GRINDERS; BUCKETS, SHEAVES, TUMBLERS, LINERS, WEARING PLATES, CURVED AND FLAT SCREEN PLATES, GEARS, PINIONS, AND SCREEN ROLLERS FOR SAND DREDGES; PIPES AND ELBOWS, PUMP SHELLS, IMPELLERS, SHELL LINERS, SIDE LINERS, FLAP VALVES, PIPE FLANGES FOR SAND AND GRAVEL PUMPS; PERFORATED AND BLANK SCREEN PLATES, TRUNNION TIRES, TRUNNION ROLLERS, GEARS, PINIONS, HEAD CASTINGS, TAIL CASTINGS, RETARDING RINGS, INDUCTION CHUTES, AND DISCHARGE CHUTES FOR REVOLVING SCREENS; OIL WELL, LOGGING BLOCK, FAIRLEAD, DREDGE, STEAM SHOVEL, DRAG LINE, AND MISCELLANEOUS SHEAVES; CAMS, MORTAR LINERS, CHUTE LINERS, LAUNDER LINERS, GRATE FRAMES, AND GRATE FRAME STRIPS FOR STAMP MILLS; DIPPERS, DIPPER FRONTS, DIPPER LIPS, DIPPER TEETH, DIPPER BAILS, DIPPER DOOR HINGES, DIPPER DOORS, DIPPER LATCHES, DIPPER LATCH KEEPERS, DIPPER LATCH GUIDES, SHIPPER SHAFT PINIONS, SADDLE PLATES, CHAIN SHEAVES, CABLE SHEAVES, CRAWLER TRUCK ROLLERS, RAIL CLAMPS, WINDING DRUMS, TRUNNION ROLLERS, HOISTING GEARS, AND HOISTING PINIONS FOR STEAM SHOVEL AND DIPPER DREDGES; DRAW BENCH HOOKS, DRAW BENCH SPROCKETS, PIPE BALLS, COUPLING BOXES, SPINDLES, CRABS, TABLE GEARS, CONVEYOR GEARS, PINIONS, CHUTE LINERS, ROLL GUIDES, AND CRANE WHEELS FOR STEEL ROLLING MILLS AND TUBE PLANTS; CUTTER HEADS, CUTTER HEAD TEETH, CUTTER BLADES, PIPE, ELBOWS, SHOES, SHEAVES, GEARS, PINIONS, PUMP SHELLS, IMPELLERS, SHELL LINERS, SIDE LINERS, PIPE FLANGES FOR SUCTION DREDGES; DIPPER, BUCKET, SCRAPER, SPROCKET, SCARIFIER, TWO-PART, AND SOLID TEETH; BUCKETS, TEETH, PLOWS, CUTTERS, ROOTERS, ROLLERS, IDLERS, BRACKETS, CLEANER ARMS, ELEPHANT EARS, BUCKET EXTENSIONS, AND EXTENSION CUTTERS FOR TRENCH MACHINES; STAVES, GEARS, AND PINIONS FOR TUMBLING BARRELS; AND APRON FEEDERS.

Claims use since July 29, 1926.

Ser. No. 472,076. MIXERMOBILE MANUFACTURERS, Portland, Oreg. Filed July 10, 1944.

SCRAPERMOBILE

FOR POWER DRIVEN EARTH MOVING APPARATUS FOR SCOOPING, SCRAPING AND TRANSPORTING EARTH FROM ONE POINT TO ANOTHER.

Claims use since May 24, 1944.

Ser. No. 472,134. AMERICAN BOSCH CORPORATION, Springfield, Mass. Filed July 12, 1944.

AMERICAN BOSCH

No claim is made to the words "American Bosch" except as shown.

FOR FUEL INJECTION APPARATUS FOR INTERNAL COMBUSTION ENGINES—NAMELY, FUEL INJECTION PUMPS, FUEL SUPPLY PUMPS, FUEL INJECTION NOZZLES, HOLDERS FOR FUEL INJECTION NOZZLES, CENTRIFUGAL AND PNEUMATIC GOVERNORS FOR PUMPS, AND TIMING DEVICES FOR PUMPS; LUBRICATING PUMPS FOR MACHINERY IN GENERAL; FILTERS FOR FUEL AND OIL; DRIVE COUPLINGS FOR PUMPS; PIPES AND FITTINGS FOR PUMPS; AND PARTS OF ALL OF THE SAME.

Claims use since Apr. 14, 1944.

Ser. No. 472,726. BABSON BROS. CO., Chicago, Ill. Filed July 29, 1944.



The words "Dairy Farm Equipment" are disclaimed apart from the mark. The drawing is lined for red and yellow.

FOR MILKER UNITS AND PARTS THEREOF.

Claims use since July 17, 1944.

Ser. No. 473,648. SPINDLE CITY MACHINE COMPANY, Fall River, Mass. Filed Aug. 26, 1944.

SPINCO

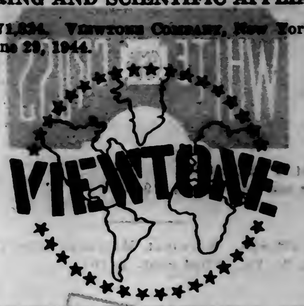
FOR METAL TURNING LATHES.

Claims use since Aug. 7, 1944.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 471,834. VIEWTONE COMPANY, New York, N. Y. Filed June 29, 1944.



FOR ELECTRONIC TEST EQUIPMENT—VIZ., CALIBRATORS AND OSCILLOSCOPES.

Claims use since May 1942.

Ser. No. 474,466. SUBMARINE SIGNAL COMPANY, Boston, Mass. Filed Sept. 21, 1944.

SONARMETER

FOR ELECTRICAL APPARATUS FOR MEASURING DISTANCE AND DETERMINING DIRECTION.

Claims use since Feb. 1, 1944.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 473,859. AARON KOENIG, New York, N. Y., assignor to The King Diamond Cutters, New York, N. Y., a partnership. Filed Sept. 2, 1944.

the

King-Cut

DIAMOND

The words "Cut Diamond" are disclaimed apart from the mark.

FOR CUT DIAMONDS.

Claims use since July 10, 1944.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 470,251. ALLIED STORES CORPORATION, Wilmington, Del., doing business as the Bon Marche, Seattle, Wash., Dey Brothers & Company, Syracuse, N. Y., and Quackenbush Company, Paterson, N. J. Filed May 15, 1944.



No claim is made to the words "Home Furnishings" apart from the mark.

FOR LIVING ROOM, DINING ROOM, BEDROOM, AND KITCHEN FURNITURE, BED SPRINGS, HEADBOARD BEDS, VENETIAN BLINDS, WINDOW SHADES, AND MATTRESSES.

Claims use since Nov. 2, 1943.

Ser. No. 472,806. ENTERPRISE-MOAKLER COMPANY, INC., Cambridge, Mass. Filed Aug. 1, 1944.



FOR MATTRESSES.
Claims use since May 1, 1909.

Ser. No. 473,829. NATIONAL MATTRESS COMPANY, Huntington, W. Va. Filed Sept. 1, 1944.



FOR MATTRESSES AND BOX SPRINGS.
Claims use since Apr. 6, 1944.

CLASS 33

GLASSWARE

Ser. No. 471,827. SARA C. APPLEMAN, doing business as Appleman Art Glass Works, North Hackensack, N. J. Filed June 30, 1944.



The word "Crystal" is disclaimed apart from the mark.
FOR TABLE GLASSWARE.
Claims use since December 1943.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 471,541. SIMPLEX PRODUCTS CORPORATION, Cleveland, Ohio. Filed June 22, 1944.

Cheker

FOR METALLIC PISTON RINGS AND EXPANDERS THEREFOR.
Claims use since May 11, 1944.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 474,567. THE AMERICAN GLOSSITE COMPANY, INC., New York, N. Y. Filed Sept. 25, 1944.

DIAMOND

FOR PHONOGRAPH RECORDS.
Claims use since Sept. 12, 1944.

Ser. No. 474,568. THE AMERICAN GLOSSITE COMPANY, INC., New York, N. Y. Filed Sept. 25, 1944.

IVY

FOR PHONOGRAPH RECORDS.
Claims use since Sept. 12, 1944.

CLASS 37

PAPER AND STATIONERY

Ser. No. 456,752. WILLIAM F. RATERMAN, Chicago, Ill. Filed Nov. 11, 1942.

SAF CHEK

No claim is made to "Saf" apart from the mark.
FOR PRINTED BLANK FORMS—NAMELY, EMPLOYEE'S SAFETY INSTRUCTION AND RECORD SHEETS.
Claims use since July 31, 1942.

Ser. No. 469,435. HIGRADE PRINTING & STATIONERY CO. INC., New York, N. Y. Filed Apr. 18, 1944.

We not only **SELL**... *but* **SERVE** *as well!*

FOR WRITING PAPER, ENVELOPES, MANIFOLD BOOKS, LETTERHEADS, FACTORY FORMS, AND OFFICE FORMS.
Claims use since 1923.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 469,769. THE HEARST CORPORATION, New York, N. Y. Filed Apr. 28, 1944.

PRIVATE BREGER ABROAD

Applicant disclaims the terms "Private Breger" apart from the mark.
FOR NEWSPAPER SECTION OR DEPARTMENT.
Claims use since Oct. 19, 1942.

Ser. No. 472,256. PURITY PRODUCTS, Chicago, Ill. Filed July 14, 1944.

Purity Views

FOR PERIODICALS.
Claims use since Apr. 10, 1943.

Ser. No. 472,814. JUDY PUBLISHING COMPANY, Chicago, Ill. Filed Aug. 1, 1944.

DOG WORLD

No claim is made to the word "Dog" apart from the mark.
FOR MONTHLY PUBLICATION FOR THE INTEREST OF DOG FANCIERS.
Claims use since January 1922.

Ser. No. 473,184. GOSPEL TRUMPET COMPANY, Anderson, Ind. Filed Aug. 11, 1944. Under 10-year proviso.

GOSPEL TRUMPET

FOR WEEKLY RELIGIOUS PUBLICATION.
Claims use since January 1881.

Ser. No. 473,637. DETECTIVE COMICS, INC., New York, N. Y. Filed Aug. 26, 1944.



The portrait is fanciful.
FOR MAGAZINE.
Claims use since Sept. 8, 1942.

Ser. No. 473,779. RICHARD HUDNUT, New York, N. Y. Filed Aug. 31, 1944.

Hudnut Success Course

Applicant disclaims the words "Hudnut" and "Course" apart from the mark.
FOR PAMPHLETS COMPRISING A COURSE OF EXERCISES AND BEAUTY TREATMENTS.
Claims use since Aug. 10, 1944.

Ser. No. 474,041. MICROSTAT CORPORATION, New York, N. Y. Filed Sept. 9, 1944.

MICROLINE

REPRODUCTION

The word "Reproduction" is disclaimed apart from the mark.
FOR PHOTOGRAPHIC PRINTS AND PHOTOGRAPHIC ENLARGEMENTS.
Claims use since Aug. 24, 1944.

Ser. No. 474,059. ALFRED B. SMITH, Wheaton, Ill. Filed Sept. 9, 1944.

Singspiration

FOR SERIES OF HYMNALS.
Claims use since May 15, 1942.

CLASS 39

CLOTHING

Ser. No. 466,201. LUBIN-WEEKER CO., INC., New York, N. Y. Filed Dec. 30, 1943.

The
SUMMER-NIGHTER

No claim is made to the word "Summer" apart from the mark.
FOR PAJAMAS.
Claims use since June 15, 1943.

Ser. No. 470,696. ODETTE BARSA, New York, N. Y. Filed May 27, 1944.

Odette Barsa
ORIGINAL

The name "Odette Barsa" shown is applicant's facsimile signature. No claim is made to the word "Original" apart from the mark.
FOR LADIES' SLIPS, PANTIES, NIGHT GOWNS, BED-JACKETS, AND NEGLIGEES.
Claims use since December 1942.

Ser. No. 471,642. SMOKE MOUNT INDUSTRIES, INC., Asheville, N. C. Filed June 24, 1944.

Styled by
Ann Rita

The words "Styled by" are disclaimed apart from the mark.
FOR LADIES', JUNIORS', AND CHILDREN'S WEARING APPAREL — NAMELY, COATS, SUITS, AND DRESSES.
Claims use since 1941.

Ser. No. 473,328. PARKLAND SPORTSWEAR CO. INC., Dallas, Tex. Filed Aug. 16, 1944.

Ruth-Ann of DALLAS

The words "of Dallas" are disclaimed apart from the mark.
FOR WOMEN'S SPORTSWEAR—NAMELY, DRESSES, SLACK SUITS, SKIRT SUITS, JACKETS, BLOUSES, HOSTESS PAJAMAS, PLAY SUITS, PINAFORES, AND JUMPERS.
Claims use since October 1943.

Ser. No. 473,683. V-LINE CLOTHES COMPANY, Philadelphia, Pa. Filed Aug. 28, 1944.



The picture of the man is fanciful.
FOR MEN'S CLOTHING—NAMELY, PANTS, COATS, VESTS, AND SUITS.
Claims use since June 5, 1940.

Ser. No. 474,147. WHELLKIN COAT COMPANY, INC., New York, N. Y. Filed Sept. 12, 1944.

Welnova

FOR SUITS, COATS, AND SPORT COATS FOR LADIES AND MISSES.
Claims use since August 1944.

Ser. No. 474,256. WILMINGTON HOSIERY MILLS, INC., Wilmington, Del. Filed Sept. 15, 1944.

Springfoot

FOR HOSIERY.
Claims use since Aug. 1, 1944.

Ser. No. 474,393. ASSOCIATED KNITTED OUTERWEAR MILLS, INC., New York, N. Y. Filed Sept. 20, 1944.

AKOM

FOR MEN'S AND BOYS' UNDERWEAR AND KNITTED OUTERWEAR—NAMELY, SWEATERS, INCLUDING PULLOVERS AND BUTTONED SWEATERS; JACKETS AND SPORTS COATS.
Claims use since Aug. 25, 1944.

CLASS 40
FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 471,100. RAND RUBBER COMPANY, Brooklyn, N. Y. Filed June 9, 1944.

Randtex

FOR DRESS SHIELDS.
Claims use since June 1, 1944.

Ser. No. 473,519. BERNHARD ULMANN CO. INC., New York, N. Y. Filed Aug. 22, 1944.

PEASANTRIES

FOR ART NEEDLEWORK FOUNDATION MATERIAL CONSITING OF SUITABLY CUT PIECES OF TEXTILE FABRICS PROVIDED WITH DESIGNS THEREON, OR OTHERWISE PARTLY COMPLETED, AND INTENDED FOR COMPLETION BY THE CUSTOMER, SOLD EITHER SEPARATELY OR IN SO-CALLED ART NEEDLEWORK PACKAGE OUTFITS, OR OTHERWISE IN COMBINATION WITH YARNS AND OTHER ART NEEDLEWORK SUPPLIES TO BE USED BY THE CUSTOMER IN COMPLETING THE ART NEEDLEWORK PRODUCT.
Claims use since Aug. 11, 1944.

Ser. No. 474,461. THE PATENT BUTTON COMPANY, Waterbury, Conn. Filed Sept. 21, 1944.

METAL Patwin PLASTICS

No claim is made to the words "Metals" and "Plastics" apart from the mark.
FOR METAL (NON-PRECIOUS) AND PLASTIC BUTTONS.
Claims use since July 12, 1944.

Ser. No. 474,492. MCCOY, JONES & COMPANY, INC., Chicago, Ill. Filed Sept. 22, 1944.

COMET

FOR COTTON BINDING TAPE.
Claims use since Dec. 14, 1900.

CLASS 42
KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 473,953. PARAMOUNT CHILDREN DRESS CO., New York, N. Y. Filed Sept. 7, 1944.

PRE-TEEN

FOR TEXTILE FABRICS IN THE PIECE, OF COTTON, RAYON, WOOL, WORSTED, AND COMBINATIONS THEREOF.
Claims use since Sept. 7, 1943.

CLASS 43
THREAD AND YARN

Ser. No. 473,855. INDUSTRIAL RAYON CORPORATION, Cleveland, Ohio. Filed Sept. 2, 1944.

LEKTROSET

FOR RAYON YARN.
Claims use since Aug. 19, 1944.

CLASS 46
FOODS AND INGREDIENTS OF FOODS

Ser. No. 462,398. DESBERGERS-BISMOL LABORATORIES, Montreal, Quebec, Canada. Filed July 30, 1943.

NOURIC

FOR DRY GRANULAR FOOD FOR BABIES AND CHILDREN HAVING A CEREAL BASE AND CONTAINING VITAMINS AND MINERALS.
Claims use since Jan. 10, 1941.

Ser. No. 463,431. JOE BRACHER, doing business as Bracher Vegetable Sales Co., Nogales, Ariz. Filed Mar. 20, 1944.

Shipmate

FOR FRESH VEGETABLES.
Claims use since Feb. 21, 1944.

Ser. No. 469,121. GOODWIN PRESERVING CO., Louisville, Ky. Filed Apr. 7, 1944.

CHERRYLADE

FOR FRUIT JAM.
Claims use since Apr. 1, 1944.

Ser. No. 474,102. STAR KAY WHITE, New York, N. Y. Filed Sept. 11, 1944.



No claim is made to the word "Scotch" or "Butterscotch" apart from the mark. The representation of the boy is fanciful.
FOR PASTES AND SYRUPS FOR USE AS A FLAVORING IN OR AS A TOPPING ON ICE-CREAM, PIES, CAKES, DESSERTS, AND LIKE FOODS.
Claims use since Oct. 19, 1923.

Ser. No. 474,319. RUTH HANLY BOOE, doing business as Rebecca Ruth Candy Shop, Frankfort, Ky. Filed Sept. 18, 1944.

My Kentucky Colonel Candy

The words "Candy" and "Kentucky" are disclaimed apart from the mark as a whole.
FOR CANDY.
Claims use since 1929.

Ser. No. 474,588. DAVID M. KASSON, doing business as David M. Kasson & Company, New York, N. Y. Filed Sept. 25, 1944.

FRISKET

FOR BAKERY PRODUCTS—NAMELY, CAKES AND COOKIES.
Claims use since May 1, 1944.

Ser. No. 474,609. D. & A. SCLAFANI, New York, N. Y. Filed Sept. 25, 1944.

ELFANI

FOR CANNED VEGETABLES.
Claims use since June 1938.

Ser. No. 474,637. DWIGHT PAULHAMUS, San Francisco, Calif. Filed Sept. 26, 1944.

PAUL'S

FOR CANNED FRUITS AND VEGETABLES, FROZEN FRESH FRUITS AND VEGETABLES, AND JAMS.
Claims use since June 1, 1908.

CLASS 47
WINES

Ser. No. 467,324. TRANSAMERICA WINE CORP., New York, N. Y. Filed Feb. 10, 1944.

CLUB 300

Applicant disclaims the word "Club" separately from the mark as shown.
FOR WINES.
Claims use since August 1941.

Ser. No. 474,350. PACIFIC WINES, Los Angeles, Calif. Filed Sept. 18, 1944.

DO RÉ

FOR WINES.
Claims use since Aug. 17, 1944.

CLASS 49
DISTILLED ALCOHOLIC LIQUORS

Ser. No. 473,551. LUIS G. AGUILAR, Mexico City, Mexico. Filed Aug. 24, 1944.

NOPAL

FOR RUM, WHISKEY, BRANDY, AND TEQUILA.
Claims use since March 1944.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

NOVEMBER 21, 1944

410,271. MEDICINAL VITAMIN PREPARATIONS. THE BOVININE COMPANY, Jersey City, N. J., assignor to Wyeth Incorporated, Philadelphia, Pa., a corporation of Delaware.
Filed March 2, 1942. Serial No. 451,335. PUBLISHED APRIL 14, 1942. Class 6.

410,272. WOOL, COTTON, SILK, RAYON, AND MIXTURES THEREOF ALL IN THE PIECE. ERNEST ALEXANDER DUNBAR, doing business as Dunbar & Nairn, Glasgow, Scotland.
Filed September 9, 1942. Serial No. 455,426. PUBLISHED AUGUST 22, 1944. Class 42.

410,273. BEDSPREADS AND DRAPERIES. BATES MANUFACTURING COMPANY, Lewiston, Maine.
Filed October 14, 1942. Serial No. 456,171. PUBLISHED SEPTEMBER 12, 1944. Class 42.

410,274. FRESH VEGETABLES AND MELONS. E & L COMPANY, Los Angeles, Calif.
Filed December 26, 1942. Serial No. 457,605. PUBLISHED SEPTEMBER 12, 1944. Class 46.

410,275. BLANK FORMS—NAMELY, MEMBERSHIP CARDS, TRAVEL CARDS, AND RECEIPTS. HOTEL AND RESTAURANT EMPLOYEES' INTERNATIONAL ALLIANCE AND BARTENDERS' INTERNATIONAL LEAGUE OF AMERICA, Cincinnati, Ohio.
Filed April 21, 1943. Serial No. 460,048. PUBLISHED SEPTEMBER 12, 1944. Class 37.

410,276. BLANK FORMS—NAMELY, MEMBERSHIP CARDS, TRAVEL CARDS, AND RECEIPTS. HOTEL AND RESTAURANT EMPLOYEES' INTERNATIONAL ALLIANCE AND BARTENDERS' INTERNATIONAL LEAGUE OF AMERICA, Cincinnati, Ohio.
Filed April 21, 1943. Serial No. 460,049. PUBLISHED SEPTEMBER 12, 1944. Class 37.

410,277. BLANK FORMS—NAMELY, MEMBERSHIP CARDS, TRAVEL CARDS, AND RECEIPTS. HOTEL AND RESTAURANT EMPLOYEES' INTERNATIONAL ALLIANCE AND BARTENDERS' INTERNATIONAL LEAGUE OF AMERICA, Cincinnati, Ohio.
Filed April 21, 1943. Serial No. 460,050. PUBLISHED SEPTEMBER 12, 1944. Class 37.

410,278. BLANK FORMS—NAMELY, MEMBERSHIP CARDS, TRAVEL CARDS, AND RECEIPTS. HOTEL AND RESTAURANT EMPLOYEES' INTERNATIONAL ALLIANCE AND BARTENDERS' INTERNATIONAL LEAGUE OF AMERICA, Cincinnati, Ohio.
Filed April 21, 1943. Serial No. 460,051. PUBLISHED SEPTEMBER 12, 1944. Class 37.

410,279. BLANK FORMS—NAMELY, MEMBERSHIP CARDS, TRAVEL CARDS, AND RECEIPTS. HOTEL AND RESTAURANT EMPLOYEES' INTERNATIONAL ALLIANCE AND BARTENDERS' INTERNATIONAL LEAGUE OF AMERICA, Cincinnati, Ohio.
Filed April 30, 1943. Serial No. 460,301. PUBLISHED SEPTEMBER 12, 1944. Class 37.

410,280. PREPARATION FOR REMOVING TARNISH FROM METAL AND CLEANING GLASSWARE. ARTHUR J. NELLIGAN, doing business as Arnel Products, Chicago, Ill.
Filed May 7, 1943. Serial No. 460,478. PUBLISHED SEPTEMBER 5, 1944. Class 4.

410,281. MEN'S KNITTED UNDERWEAR AND POLO SHIRTS. NORWICH KNITTING COMPANY, Norwich, N. Y.
Filed June 19, 1943. Serial No. 461,524. PUBLISHED SEPTEMBER 12, 1944. Class 39.

410,282. COMBINED CHEMICAL CLEANSER AND SOAP IN POWDERED FORM. ACME CHEMICAL COMPANY, Milwaukee, Wis.
Filed October 4, 1943. Serial No. 463,860. PUBLISHED SEPTEMBER 5, 1944. Class 4.

410,283. CERAMIC VASES AND TABLEWARE. SARAH S. FLETCHER, doing business as The Blue Wave, Kennebunk, Maine, assignor to Norman K. Wiggin and Anne B. Wiggin, doing business as The Blue Wave, Kennebunk, Maine.
Filed October 8, 1943. Serial No. 463,996. PUBLISHED SEPTEMBER 12, 1944. Class 30.

410,284. THERAPEUTIC POWDER, SOLUTION, LOTION, AND OINTMENT FOR DERMATO-MYCOSES, TINEA PEDIS, TINEA CRURIS, TINEA CAPITIS, TINEA GLABROSA, THRUSH, OTOMYCOSIS, RING WORM OR ATHLETE'S FOOT. COLLOIDAL LABORATORIES, Little Falls, N. J., assignor to Mycoloid Laboratories, Inc., Little Falls, N. J., a corporation of New Jersey.
Filed October 26, 1943. Serial No. 464,409. PUBLISHED AUGUST 29, 1944. Class 6.

410,285. FEEDS AND FEED SUPPLEMENTS FOR LIVESTOCK AND POULTRY—NAMELY, CONDENSED DISTILLERS' SOLUBLES ENRICHED WITH VITAMIN B2; FERMENTATION BY-PRODUCTS DRIED FROM DISTILLERS' GRAINS, SOLUBLES AND MOLASSES WITH RIBOFLAVIN SUPPLEMENT IN DRY FORM. THE ATLANTIC SUPPLY COMPANY, Baltimore, Md.
Filed November 12, 1943. Serial No. 464,934. PUBLISHED SEPTEMBER 12, 1944. Class 46.

410,286. COMPOSITION FOR PREVENTING FOGGING OF GLASSES, WINDOWS, WINDSHIELDS, AND LIKE MATERIALS. GALLOWHUR CHEMICAL CORPORATION, Windsor, Vt.
Filed November 29, 1943. Serial No. 465,359. PUBLISHED SEPTEMBER 12, 1944. Class 4.

410,287. SOLUBLE OILS, SIZINGS, PENETRANTS, SOFTENERS, AND RESIN FINISHES FOR TREATING TEXTILES. HART PRODUCTS CORPORATION, New York, N. Y.
Filed December 1, 1943. Serial No. 465,428. PUBLISHED AUGUST 29, 1944. Class 6.

410,288. DETERGENT PREPARATION—NAMELY, A LIQUID SOAP WITH CRESOL. PHYSICIANS & HOSPITALS SUPPLY COMPANY, INC., doing business as Ulmer Pharmacal Company, Minneapolis, Minn.
Filed December 6, 1943. Serial No. 465,557. PUBLISHED SEPTEMBER 5, 1944. Class 4.

410,289. DETERGENT PREPARATION—NAMELY, A PURE NEUTRAL LIQUID SOAP FOR THE NURSERY. PHYSICIANS & HOSPITALS SUPPLY COMPANY, INC., doing business as Ulmer Pharmacal Company, Minneapolis, Minn.
Filed December 6, 1943. Serial No. 465,562. PUBLISHED SEPTEMBER 5, 1944. Class 4.

410,290. DETERGENT CLEANING COMPOUNDS FOR GENERAL HOUSEHOLD, INDUSTRIAL, AND MISCELLANEOUS OTHER USES. TURCO PRODUCTS, INC., Los Angeles, Calif.
Filed December 6, 1943. Serial No. 465,590. PUBLISHED SEPTEMBER 5, 1944. Class 4.

410,291. DETERGENT CLEANING COMPOUNDS FOR MISCELLANEOUS HOUSEHOLD, INDUSTRIAL, AND OTHER USES. TURCO PRODUCTS, INC., Los Angeles, Calif.
Filed December 6, 1943. Serial No. 465,591. PUBLISHED SEPTEMBER 5, 1944. Class 4.

410,292. LADIES' AND MISSES' SLIPS. INDUSTRIAL UNDERGARMENT CORP., New York and Poughkeepsie, N. Y.
Filed December 8, 1943. Serial No. 465,627. PUBLISHED SEPTEMBER 5, 1944. Class 39.

410,293. PAINTBRUSHES. RUBBERSET COMPANY, Newark, N. J.
Filed December 8, 1943. Serial No. 465,637. PUBLISHED SEPTEMBER 12, 1944. Class 29.

410,294. PAINTBRUSHES. RUBBERSET COMPANY, Newark, N. J.
Filed December 8, 1943. Serial No. 465,638. PUBLISHED SEPTEMBER 12, 1944. Class 29.

410,295. PAINTBRUSHES. RUBBERSET COMPANY, Newark, N. J.
Filed December 8, 1943. Serial No. 465,639. PUBLISHED SEPTEMBER 12, 1944. Class 29.

410,296. REDUCING AGENTS FOR CHROME IN A DYE BATH. P. JOSEPH COLLINS, doing business as Atlas Color & Chemical Co., Boston, Mass.
Filed December 9, 1943. Serial No. 465,649. PUBLISHED AUGUST 29, 1944. Class 6.

410,297. SYNTHETIC OR CHEMICALLY PREPARED RESINOUS MATERIALS AND EMULSIONS AND SOLUTIONS CONTAINING SAME; SYNTHETIC ELASTOMERS, AND SYNTHETIC RUBBER AND PLASTIC COMPOSITIONS. THE RESINOUS PRODUCTS & CHEMICAL COMPANY, Philadelphia, Pa.
Filed January 13, 1944. Serial No. 466,543. PUBLISHED SEPTEMBER 12, 1944. Class 1.

410,298. COLD CREAM, LIPSTICK, COLOGNE, ROUGE, FACE POWDER, SKIN LOTION. PAGE & DIXON DRUG CO., INC., doing business as Cato Perfumers, Chicago, Ill., assignor to William Semco, Chicago, Ill.
Filed January 14, 1944. Serial No. 466,586. PUBLISHED AUGUST 29, 1944. Class 6.

410,299. JEWELRY FOR PERSONAL ADORNMENT, NOT INCLUDING WATCHES. REBAJES, INCORPORATED, New York, N. Y.
Filed January 15, 1944. Serial No. 466,623. PUBLISHED SEPTEMBER 12, 1944. Class 28.

410,300. CIGARET PAPER BOOKLETS. M. N. HAKKAK & Co., New York, N. Y.
Filed January 20, 1944. Serial No. 466,732. PUBLISHED SEPTEMBER 12, 1944. Class 8.

410,301. WROUGHT BRONZE SHAPES; FORGINGS; INGOTS; CASTINGS; ROLLED AND EXTRUDED BAR STOCK; AND UNFINISHED MACHINE PARTS—NAMELY, WEAR RESISTANT MACHINE ELEMENTS, CORROSION RESISTANT MACHINE ELEMENTS AND ELECTRICALLY CONDUCTIVE MACHINE ELEMENTS. AMPCO METAL, INC., Milwaukee, Wis.
Filed February 5, 1944. Serial No. 467,177. PUBLISHED SEPTEMBER 5, 1944. Class 14.

410,302. HAIR GROWING PREPARATION. IDA McKOIN, doing business under the name of Morning Dew Mfg. Co., Guthrie, Okla.
Filed February 7, 1944. Serial No. 467,253. PUBLISHED SEPTEMBER 5, 1944. Class 6.

410,303. MOTOR VEHICLE BODIES AND STRUCTURAL PARTS THEREOF, AIRPLANES AND STRUCTURAL PARTS THEREOF. INTERNATIONAL UNION UNITED AUTOMOBILE, AIRCRAFT AND AGRICULTURAL IMPLEMENT WORKERS OF AMERICA, AFFILIATED WITH THE CONGRESS OF INDUSTRIAL ORGANIZATIONS, Detroit, Mich.
Filed March 1, 1944. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 467,890. PUBLISHED SEPTEMBER 12, 1944. Class 19.

410,304. PAINT CLEANERS. H. MULLER TOURAINE, doing business as Touraine Chemical Co., New York, N. Y.
Filed March 2, 1944. Serial No. 467,931. PUBLISHED SEPTEMBER 12, 1944. Class 4.

410,305. BAKING OVENS, MACHINERY AND EQUIPMENT—NAMELY, REVOLVING TRAY, TRAVELING TRAY, ROTARY HEARTH, DECK AND BRICK OVENS, BAKERY FERMENTATION ROOMS, PROOF BOXES, BREAD COOLERS, AND STEAM BOILERS. LOUIS D. HOULIS, Dallas, Tex.
Filed March 11, 1944. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 468,201. PUBLISHED SEPTEMBER 12, 1944. Class 34.

410,306. UDDER OINTMENT, UDDER LINIMENT, COW TONIC, HORSE TONIC, COMPOUND FOR TREATMENT OF INTESTINAL DERANGEMENT IN ANIMALS, COMPOUND FOR EXTERNAL APPLICATION IN TREATMENT OF FOUL HOOF, TEAT DILATORS, ETC. DUDLEY O. SAYRE, doing business as Dairy Remedies Co., Upper Montclair, N. J.
Filed March 14, 1944. Serial No. 468,310. PUBLISHED SEPTEMBER 5, 1944. Class 6.

410,307. PHARMACEUTICAL PREPARATION OF COPPER AND IRON COMBINED WITH PROTEIN FOR USE IN TREATING ANAEMIA. THE ARLINGTON CHEMICAL COMPANY, Yonkers, N. Y.
Filed March 20, 1944. Serial No. 468,428. PUBLISHED AUGUST 29, 1944. Class 6.

410,308. TUBES, RODS AND SHEETS, MADE OF PLASTICS. RICHARD A. FISCH, doing business as Anchor Plastics Company, New York, N. Y.
Filed March 21, 1944. Serial No. 468,485. PUBLISHED SEPTEMBER 12, 1944. Class 1.

410,309. LAMBSKIN POWDER PUFFS. THE MILWAUKEE TANNING CO., Milwaukee, Wis.
Filed March 22, 1944. Serial No. 468,531. PUBLISHED SEPTEMBER 12, 1944. Class 29.

410,310. PIECE GOODS OF COTTON, RAYON, AND/OR SILK, OR COMBINATIONS THEREOF. COHN-HALL-MARX CO., New York, N. Y.
Filed March 23, 1944. Serial No. 468,556. PUBLISHED AUGUST 8, 1944. Class 42.

410,311. WOVEN PIECE GOODS CONSISTING OF COTTON, RAYON, WOOL, "ARALAC" OR FLAX FIBRES. EDWIN E. BERLINER & Co., New York, N. Y.
Filed March 29, 1944. Serial No. 468,774. PUBLISHED AUGUST 22, 1944. Class 42.

410,312. COATED FABRICS, RESISTANT TO ACID, FLAME, AND WATER, FOR USE AS THERMAL INSULATION. RUDOLF F. HLAVATY, Cicero, Ill.
Filed April 8, 1944. Serial No. 469,157. PUBLISHED SEPTEMBER 12, 1944. Class 12.

410,313. HAND CLEANER. L. G. GUSLER, doing business under the name Gusler Products Co., Fort Sumner, N. Mex.
Filed April 12, 1944. Serial No. 469,256. PUBLISHED SEPTEMBER 12, 1944. Class 4.

410,314. EAU DE COLOGNE. PINAUD, INCORPORATED, New York, N. Y.
Filed April 18, 1944. Serial No. 469,441. PUBLISHED AUGUST 29, 1944. Class 6.

410,315. BIBS, BABY PANTS, INFANTS' BANDS. BRODY MFG. CO., NOT INC., Chicago, Ill.
Filed April 20, 1944. Serial No. 469,493. PUBLISHED SEPTEMBER 12, 1944. Class 39.

410,316. HOSIERY AND UNDERWEAR. HILLSBORO HOSIERY MILLS, INC., Hillsboro, N. H.
Filed April 20, 1944. Serial No. 469,499. PUBLISHED SEPTEMBER 12, 1944. Class 39.

410,317. DERMATOLOGICAL PREPARATION CONTAINING UREA DIBROMATANNATE. THE DOAK COMPANY, Cleveland, Ohio.
Filed April 24, 1944. Serial No. 469,592. PUBLISHED SEPTEMBER 5, 1944. Class 6.

410,318. BAIT FOR EXTERMINATING RODENTS AND LIKE PESTS. ROSS EXTERMINATOR CO., Chicago, Ill.
Filed April 26, 1944. Serial No. 469,692. PUBLISHED AUGUST 29, 1944. Class 6.

410,319. PERFUME AND COLOGNE. GEORGE BEGLEY, JR., doing business as Parfum Dalmora, Chicago, Ill.
Filed April 27, 1944. Serial No. 469,717. PUBLISHED AUGUST 29, 1944. Class 6.

410,320. CANNED VEGETABLES. GEIDEL CANNERIES, INC., Adell, Wis.
Filed April 28, 1944. Serial No. 469,758. PUBLISHED SEPTEMBER 12, 1944. Class 46.

410,321. WATER SOLUBLE GREASELESS BASES USED AS VEHICLE FOR PHARMACEUTICAL OINTMENTS. DOME CHEMICALS INCORPORATED, New York, N. Y.
Filed April 29, 1944. Serial No. 469,808. PUBLISHED AUGUST 29, 1944. Class 6.

410,322. TEXTILE FABRICS IN THE PIECE MADE OF COTTON AND RAYON. THE ESMOND MILLS, INC., Village of Esmond, Smithfield, R. I.
Filed May 3, 1944. Serial No. 469,894. PUBLISHED AUGUST 1, 1944. Class 42.

410,323. FIRE EXTINGUISHERS COMPRISING FRANGIBLE RECEPTACLES HAVING A FILLING OF FIRE EXTINGUISHING MATERIAL. FIREFLY EXTINGUISHERS, Kansas City, Mo.
Filed May 8, 1944. Serial No. 470,021. PUBLISHED AUGUST 22, 1944. Class 6.

410,324. SYNTHETIC RESIN ADHESIVES SOLD FOR USE ONLY IN BOOKBINDING. NATIONAL STARCH PRODUCTS INC., New York, N. Y.
Filed May 9, 1944. Serial No. 470,084. PUBLISHED AUGUST 1, 1944. Class 5.

410,325. PRODUCT FOR THE TREATMENT OF SCREWWORM INFECTIONS, AND FOR THE PREVENTION OF SCREWWORM INFESTATION OF ANIMAL WOUNDS. FLORIDA CHEMICAL INDUSTRIES, INC., Sparr, Fla.
Filed May 17, 1944. Serial No. 470,334. PUBLISHED SEPTEMBER 5, 1944. Class 6.

410,326. ANTI-OXIDANT (CONSISTING OF NORDIHYDROGUAIARETIC ACID) FOR VARIOUS EDIBLE PRODUCTS AND PHARMACEUTICALS. WM. J. STANGE CO., Chicago, Ill.
Filed May 17, 1944. Serial No. 470,359. PUBLISHED SEPTEMBER 5, 1944. Class 6.

410,327. LECITHIN AND ASSOCIATED PHOSPHATIDES WITH AN EDIBLE CARRIER SUCH AS COCOA BUTTER SOLD FOR USE AS A FOOD PRODUCT AND FOR USE IN EDIBLE PRODUCTS SUCH AS MARGARINE, CONFECTIONS AND THE LIKE. AMERICAN LECITHIN COMPANY, Cleveland, Ohio, and Elmhurst, Long Island, N. Y.
Filed May 18, 1944. Serial No. 470,364. PUBLISHED SEPTEMBER 12, 1944. Class 46.

410,328. SULFATHIAZOLE-EPHEDRINE SUSPENSION FOR USE IN INFECTIONS OF THE NASAL CAVITY. SPECIFIC PHARMACEUTICALS, INC., New York, N. Y.
Filed May 19, 1944. Serial No. 470,426. PUBLISHED SEPTEMBER 5, 1944. Class 6.

410,329. COATED AND UNCOATED WELDING RODS MADE OF A COPPER-NICKEL ALLOY. THE INTERNATIONAL NICKEL COMPANY, INC., New York, N. Y.
Filed May 20, 1944. Serial No. 470,453. PUBLISHED SEPTEMBER 5, 1944. Class 14.

410,330. PLASTIC MATERIALS COMPRISING EDGING, RODS, AND IRREGULAR SECTIONS AND LAMINATED SHEETS OF SYNTHETIC RESIN FOR USE AS COUNTER TOPS, SHELF TOPS, TABLE TOPS, AND COUNTER FRONTS. NATIONAL PLASTIC PRODUCTS COMPANY, Odenton, Md.
Filed May 22, 1944. Serial No. 470,507. PUBLISHED SEPTEMBER 12, 1944. Class 1.

410,331. VITAMIN PREPARATION. MCKESSON & ROBBINS, INCORPORATED, New York, N. Y.
Filed May 23, 1944. Serial No. 470,535. PUBLISHED AUGUST 29, 1944. Class 6.

410,332. VITAMIN PREPARATION. MCKESSON & ROBBINS, INCORPORATED, New York, N. Y.
Filed May 23, 1944. Serial No. 470,536. PUBLISHED AUGUST 29, 1944. Class 6.

410,333. PREPARATIONS FOR THE RELIEF OF COUGHS AND COLDS. MCKESSON & ROBBINS, INCORPORATED, New York, N. Y.
Filed May 23, 1944. Serial No. 470,537. PUBLISHED AUGUST 29, 1944. Class 6.

410,334. ANTISEPTIC AND ANALGESIC, AND SPECIFICALLY A PREPARATION FOR THE RELIEF OF DISCOMFORT DUE TO ATHLETE'S FOOT, SIMPLE MUSCULAR ACHES AND PAINS, MINOR SPRAINS AND BRUISES, MOSQUITO BITES AND STINGS OF SMALL INNOCUOUS INSECTS, AND AS A RUBDOWN AFTER EXERCISE. MCKESSON & ROBBINS, INCORPORATED, New York, N. Y.
Filed May 23, 1944. Serial No. 470,538. PUBLISHED AUGUST 29, 1944. Class 6.

410,335. PREPARATION FOR THE CONDITIONING OF THE HAIR. RICHARD J. WEIDMAN, doing business as Alo-Cresco Products, Richmond Hill, N. Y.
Filed May 23, 1944. Serial No. 470,547. PUBLISHED AUGUST 29, 1944. Class 6.

410,336. ANTISPASMODIC USED IN SEASICKNESS, DYSMENORRHEA, AND OTHER STOMACH SPASMS. SEYDEL CHEMICAL COMPANY, Jersey City, N. J.
Filed May 23, 1944. Serial No. 470,550. PUBLISHED AUGUST 29, 1944. Class 6.

410,337. MEDICINE FOR THE TREATMENT OF PILES. WILLIAM T. BRADLEY, Morehead, Ky.
Filed May 24, 1944. Serial No. 470,554. PUBLISHED AUGUST 29, 1944. Class 6.

410,338. PERFUMES, COLOGNES, TOILET WATERS, LIPSTICKS, ROUGE, FACE POWDER, TALCUM POWDER, TOILET CREAMS, HAIR TONIC. HELENE PESSL, INC., New York, N. Y.
Filed May 24, 1944. Serial No. 470,581. PUBLISHED AUGUST 29, 1944. Class 6.

410,339. PREPARATION OR TONIC FOR THE HAIR. VERNAN MANUFACTURING COMPANY, Johnstown, Pa.
Filed May 24, 1944. Serial No. 470,588. PUBLISHED AUGUST 29, 1944. Class 6.

410,340. AIR MAIL WRITING PAPER. ECUSTA PAPER CORPORATION, Pisgah Forest, N. C.
Filed May 27, 1944. Serial No. 470,712. PUBLISHED SEPTEMBER 12, 1944. Class 37.

410,341. CARBON BLACK FOR GENERAL USE IN THE INDUSTRIAL ARTS. THE PEERLESS CARBON BLACK COMPANY, Pittsburgh, Pa.
Filed May 27, 1944. Serial No. 470,732. PUBLISHED SEPTEMBER 12, 1944. Class 1.

410,342. PIECE GOODS OF RAYON YARNS. HEGO FABRICS, INC., New York, N. Y.
Filed May 29, 1944. Serial No. 470,764. PUBLISHED AUGUST 8, 1944. Class 42.

410,343. PIECE GOODS OF RAYON YARNS. HEGO FABRICS, INC., New York, N. Y.
Filed May 29, 1944. Serial No. 470,768. PUBLISHED AUGUST 8, 1944. Class 42.

410,344. PERFUME AND COLOGNE. ROBERT B. KAROFF CREATIONS, INC., New York, N. Y.
Filed May 29, 1944. Serial No. 470,769. PUBLISHED AUGUST 29, 1944. Class 6.

410,345. WOOLEN PIECE GOODS. FORSTMANN WOOLEN CO., Passaic, N. J.
Filed May 31, 1944. Serial No. 470,814. PUBLISHED AUGUST 8, 1944. Class 42.

410,346. WOOLEN PIECE GOODS. FORSTMANN WOOLEN CO., Passaic, N. J.
Filed May 31, 1944. Serial No. 470,815. PUBLISHED AUGUST 8, 1944. Class 42.

410,347. PLASTICIZING OILS. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y.
Filed June 1, 1944. Serial No. 470,840. PUBLISHED SEPTEMBER 5, 1944. Class 6.

410,348. BATH RUGS, MATS, AND SEAT COVERS. CALLAWAY MILLS, La Grange, Ga.
Filed June 2, 1944. Serial No. 470,846. PUBLISHED AUGUST 15, 1944. Class 42.

410,349. RHEUMATIC MEDICINE. DAVID M. HOLDEN, Philadelphia, Pa.
Filed June 3, 1944. Serial No. 470,885. PUBLISHED SEPTEMBER 5, 1944. Class 6.

410,350. FILTERS, FILTER DISTRIBUTORS, FILTER UNDERDRAINS, FILTER PIPING, FILTER MEDIA, FILTER DOSING SIPHONS AND FILTER FLOW CONTROLLERS. INFILCO INCORPORATED, Chicago, Ill.
Filed June 3, 1944. Serial No. 470,886. PUBLISHED SEPTEMBER 12, 1944. Class 31.

410,351. SPUN RAYON CLOTH. CANTOR GREENSPAN CO., INC., New York, N. Y.
Filed June 7, 1944. Serial No. 470,959. PUBLISHED AUGUST 15, 1944. Class 42.

410,352. SPUN RAYON CLOTH. CANTOR GREENSPAN CO., INC., New York, N. Y.
Filed June 7, 1944. Serial No. 470,960. PUBLISHED AUGUST 22, 1944. Class 42.

410,353. SPUN RAYON CLOTH. CANTOR GREENSPAN CO., INC., New York, N. Y.
Filed June 7, 1944. Serial No. 470,961. PUBLISHED AUGUST 22, 1944. Class 42.

410,354. WATER SOFTENING AGENTS IN POWDERED AND LIQUID FORM (WITH OR WITHOUT DETERGENTS). THE MARTIN-DENNIS COMPANY, Newark, N. J.
Filed June 7, 1944. Serial No. 470,982. PUBLISHED AUGUST 29, 1944. Class 6.

410,355. WATER SOFTENING AGENTS IN POWDERED AND LIQUID FORM (WITH OR WITHOUT DETERGENTS). THE MARTIN-DENNIS COMPANY, Newark, N. J.
Filed June 7, 1944. Serial No. 470,983. PUBLISHED AUGUST 29, 1944. Class 6.

410,356. ZINC OXIDE, ZINC SULPHIDE BASE COMPOSITIONS INCLUDING LITHOPONE AND ZINC SULPHIDE, ZINC TETROXY CHROMATE AND ZINC BORATE, ETC. THE NEW JERSEY ZINC COMPANY, New York, N. Y.
Filed June 7, 1944. Serial No. 470,990. PUBLISHED AUGUST 29, 1944. Class 6.

410,357. OILSTONES, ABRASIVE STONES, CLEANING STONES, SHARPENING STONES, HONES, WHETSTONES, TOOL AND KNIFE SHARPENERS, ETC. NORTON COMPANY, Worcester, Mass.
Filed June 7, 1944. Serial No. 470,991. PUBLISHED SEPTEMBER 12, 1944. Class 4.

410,358. COMBINATION OF ESTROGENIC AND PROGESTOGENIC PREPARATIONS FOR USE IN MENSTRUAL DISORDERS. ROCHE-ORGANON, INC., Nutley, N. J.
Filed June 7, 1944. Serial No. 471,003. PUBLISHED SEPTEMBER 5, 1944. Class 6.

410,359. PIECE GOODS OF COTTON, RAYON AND/OR SILK, OR COMBINATIONS THEREOF. COHN-HALL-MARX CO., New York, N. Y.
Filed June 9, 1944. Serial No. 471,072. PUBLISHED SEPTEMBER 12, 1944. Class 42.

410,360. MULTI-VITAMIN PREPARATION. LEDERLE LABORATORIES, INC., New York, N. Y.
Filed June 14, 1944. Serial No. 471,222. PUBLISHED AUGUST 29, 1944. Class 6.

410,361. DETERGENTS AND CLEANSING COMPOUNDS—NAMELY, SILICATE, PHOSPHATE, AND SODIUM DETERGENT AND CLEANSING COMPOUNDS. S. W. LANDSBERGER CHEMICAL WORKS, INC., New York, N. Y.
Filed June 12, 1944. Serial No. 471,156. PUBLISHED SEPTEMBER 5, 1944. Class 4.

410,362. PAINTS AND VARNISHES IN PASTE AND READY-MIXED FORM. PAINT ENGINEERS, INCORPORATED, New York, N. Y.
Filed June 15, 1944. Serial No. 471,278. PUBLISHED SEPTEMBER 5, 1944. Class 16.

410,363. NATURAL AND DYED ANIMAL FIBERS. KEMPAIR PRODUCTS CO., Brooklyn, N. Y.
Filed June 16, 1944. Serial No. 471,313. PUBLISHED SEPTEMBER 12, 1944. Class 1.

410,364. FINISH FOR LEATHER—NAMELY, LIQUID PREPARATION CONTAINING WAXES, PIGMENTS, ANILINE DYES AND OTHER INGREDIENTS TO BE APPLIED TO LEATHER AT THE TANNERY. K. J. QUINN & CO. INC., Boston, Mass.
Filed June 20, 1944. Serial No. 471,456. PUBLISHED SEPTEMBER 12, 1944. Class 4.

410,365. FINISH FOR LEATHER—NAMELY, LIQUID PREPARATION CONTAINING WAXES, PIGMENTS, ANILINE DYES AND OTHER INGREDIENTS TO BE APPLIED TO LEATHER AT THE TANNERY. K. J. QUINN & CO. INC., Boston, Mass.
Filed June 20, 1944. Serial No. 471,457. PUBLISHED SEPTEMBER 12, 1944. Class 4.

410,366. WOMEN'S, MISSES', AND CHILDREN'S SLIPS. VAN RAALTE COMPANY, INC., New York, N. Y.
Filed June 21, 1944. Serial No. 471,502. PUBLISHED SEPTEMBER 12, 1944. Class 39.

410,367. CASES MADE OF PAPER, CARDBOARD, FIBERBOARD, AND PASTEBOARD FOR TRANSPORTING AND SHIPPING GOODS AND BAGS MADE OF PAPER, BURLAP, AND COTTON FOR TRANSPORTING GOODS. HIT PARADE, INC., New York, N. Y.
Filed June 23, 1944. Serial No. 471,555. PUBLISHED SEPTEMBER 12, 1944. Class 2.

410,368. CLEANING AND POLISHING COMPOSITION FOR BRASS, COPPER, SILVER, NICKEL, ALUMINUM, CHROMIUM, TILE, MARBLE, GLASS, STOVES, REFRIGERATORS, AND LEATHER UPHOLSTERY, SAID COMPOSITION ALSO BEING USED FOR CLEANING AND POLISHING FURNITURE AND FINISHED WOODWORK. HAROUTUN HAGOPIAN, doing business as La Salle Chemical Products Co., Detroit, Mich.
Filed June 24, 1944. Serial No. 471,604. PUBLISHED SEPTEMBER 12, 1944. Class 4.

410,369. FLYING RINGS, SUSPENDED SWINGS, HORIZONTAL BARS, BASE BALLS, BASKET BALLS, VOLLEY BALLS, TENNIS BALLS, ETC. INES HOLLAND HOUSE, New York, N. Y.
Filed June 24, 1944. Serial No. 471,607. PUBLISHED SEPTEMBER 12, 1944. Class 22.

410,370. FLORISTS' SHIELDS WHICH SIMULATE FOLIAGE USED IN CORSAGES AND OTHER FLORAL ARRANGEMENTS. BOJAHN & MALANEY COMPANY, Milwaukee, Wis.
Filed June 24, 1944. Serial No. 471,630. PUBLISHED SEPTEMBER 12, 1944. Class 50.

410,371. PHOTOGRAPHIC CORNER MOUNTINGS. MOUNTIES, INC., Boston, Mass.
Filed June 27, 1944. Serial No. 471,709. PUBLISHED SEPTEMBER 12, 1944. Class 37.

410,372. MISSES' AND JUNIOR MISSES' COATS AND SUITS. THEODORE BLUM, doing business as Nu-Style, New York, N. Y.
Filed June 28, 1944. Serial No. 471,730. PUBLISHED SEPTEMBER 12, 1944. Class 39.

410,373. GIRLS' AND CHILDREN'S DRESSES, PINAFORES, BLOUSES, SKIRTS, AND DRESS AND JACKET ENSEMBLES. RAINBOW CHILDREN DRESS CO., New York, N. Y.
Filed June 28, 1944. Serial No. 471,757. PUBLISHED SEPTEMBER 12, 1944. Class 39.

410,374. EAR MOLDS FOR HEARING AID APPARATUS. WALDO D. CLARK, doing business as W. D. Clark Laboratories, Los Angeles, Calif.
Filed July 3, 1944. Serial No. 471,896. PUBLISHED SEPTEMBER 12, 1944. Class 44.

410,375. WOODEN PULL TOYS. MAYFLOWER MANUFACTURING COMPANY, Chicago, Ill.
Filed July 7, 1944. Serial No. 471,979. PUBLISHED SEPTEMBER 12, 1944. Class 22.

410,376. FOOD SEASONING MADE OF VARIOUS SPICES AND HERBS. CHARLES H. HOWE, doing business as Modern Foods Alliance, Los Angeles, Calif.
Filed July 10, 1944. Serial No. 472,066. PUBLISHED SEPTEMBER 12, 1944. Class 46.

410,377. CIGARETTE BOXES, CIGAR BOXES, TOBACCO HUMIDORS, CIGARETTE CASES, ASH TRAYS, TOBACCO POUCHES, CIGAR CASES, MATCH HOLDERS MADE OF LEATHER OR WOOD, OR METAL OR GLASS COVERED WITH LEATHER. H. C. WEBER, Los Angeles, Calif.
Filed July 11, 1944. Serial No. 472,122. PUBLISHED SEPTEMBER 12, 1944. Class 8.

410,378. CANDY. M & M LIMITED, Newark, N. J.
Filed July 12, 1944. Serial No. 472,149. PUBLISHED SEPTEMBER 12, 1944. Class 46.

410,379. FINGER RINGS. PEOPLE'S OUTFITTING COMPANY, Detroit, Mich.
Filed July 12, 1944. Serial No. 472,155. PUBLISHED SEPTEMBER 12, 1944. Class 28.

410,380. GUMMED SEALING TAPE AND WOVEN PAPER FABRIC. WORTENDYKE MANUFACTURING CO., Richmond, Va.
Filed July 12, 1944. Serial No. 472,171. PUBLISHED SEPTEMBER 12, 1944. Class 37.

410,381. FINELY GROUND NATURAL EARTHY MATERIAL USEFUL AS A FILLER FOR PAINTS, PLASTIC, AND RUBBER. THOMPSON, WEINMAN & COMPANY, INC., Cartersville, Ga.
Filed July 14, 1944. Serial No. 472,262. PUBLISHED SEPTEMBER 12, 1944. Class 1.

410,382. FRESH DECIDUOUS FRUITS AND FRESH VEGETABLES. P. F. MANOUM, doing business as Snake River Farms, Nampa, Idaho.
Filed July 17, 1944. Serial No. 472,330. PUBLISHED SEPTEMBER 12, 1944. Class 46.

410,383. ABSORBABLE CELLULOSE SURGICAL DRESSING. PARKE, DAVIS & COMPANY, Detroit, Mich.
Filed July 24, 1944. Serial No. 472,585. PUBLISHED SEPTEMBER 12, 1944. Class 44.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

410,384. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) VILHO O. JARVINEN, New York, N. Y. Filed July 25, 1940. Serial No. 434,329.



The portrait is fanciful.
FOR CHEESE.
Claims use since September 1927.

410,385. (CLASS 38. PRINTS AND PUBLICATIONS.) BASIL VLAVIANOS, New York, N. Y. Filed Aug. 15, 1941. Serial No. 446,283.

GREEK DIGEST

FOR REVIEW PUBLISHED FROM TIME TO TIME.
Claims use since July 10, 1941.

410,386. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE AUFHAUSER BROTHERS COMPANY, Troy, Ohio. Filed Sept. 2, 1941. Serial No. 446,723.

KEE

FOR INHALER DEVICE IN THE FORM OF A CIGARETTE CONTAINING A MEDICANT SUCH AS A MENTHOLATED MATERIAL, FOR USE IN THE RELIEF OF COLDS, SINUS TROUBLES, HEAD STUFFINESS, THROAT IRRITATION, ASTHMA AND HAY-FEVER, AND REFILLS THEREFOR.
Claims use since July 24, 1941.

410,387. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KILDALL FISH CO., Minneapolis, Minn. Filed Dec. 22, 1941. Serial No. 449,690.



The term "Smorgos-Sill" means sandwich herring.
FOR BANQUET SPICED HERRING.
Claims use since Sept. 15, 1937.

410,388. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MRS. JOHN F. LEWIS, Las Cruces, N. Mex. Filed Jan. 21, 1942. Serial No. 450,365.



FOR VEGETABLE RELISHES.
Claims use since May 1940.

410,389. (CLASS 38. PRINTS AND PUBLICATIONS.) WOMEN'S WEAR COMPANY, New York, N. Y. Filed Feb. 21, 1942. Serial No. 451,155.

WOMEN'S FOOT WEAR

FOR NEWSPAPER SECTION.
Claims use since Oct. 17, 1941.

410,390. (CLASS 38. PRINTS AND PUBLICATIONS.) FAIRCHILD ADVERTISING, INC., New York, N. Y. Filed Apr. 25, 1942. Serial No. 452,578.

MEN'S FOOT WEAR

FOR MAGAZINE SECTION.
Claims use since Sept. 24, 1941.

410,391. (CLASS 38. PRINTS AND PUBLICATIONS.) DISTRIBUTION AND WAREHOUSING PUBLICATIONS, INC., New York, N. Y. Filed Nov. 30, 1942. Serial No. 457,116.



FOR SECTION OF A PERIODICAL AND A PERIODICAL PUBLICATION.
Claims use for a section of a periodical since Jan. 21, 1942; for a periodical since Sept. 18, 1942.

410,392. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) S. H. KRESS AND COMPANY, New York, N. Y. Filed Feb. 4, 1943. Serial No. 458,333.

CAVALIER

FOR TALCUM POWDER, AFTER SHAVE LOTION, AND SHAMPOO.
Claims use since Oct. 7, 1938, on talcum powder and after shave lotion; since Nov. 15, 1926, on shampoo.

410,393. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SHEDD PRODUCTS COMPANY, Detroit, Mich., now by change of name Shedd Bartush Foods Inc., a corporation of Michigan. Filed Mar. 10, 1943. Serial No. 459,016.

Old Style

The drawing is lined for red and white.
FOR DRESSING FOR SALAD AND MEAT.
Claims use since Aug. 14, 1942.

410,394. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) COMPANIA DES DESTILERIAS INTERNATIONALES, INC., Bayamon, P. R. Filed July 14, 1943. Serial No. 462,068.

MAYSVILLE

VSB

FOR WHISKEY.
Claims use since June 4, 1943.

410,395. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) SAFETY SHOCK MFG. CO., Fowler, Calif. Filed Sept. 13, 1943. Serial No. 463,386.

CHEK-SHOCK

FOR PRESSURE REGULATING AND SURGE CUSHIONING VALVES FOR GAS WELDING SYSTEMS.
Claims use since July 1, 1943.

410,396. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE HOUSE OF LA CARA, Bay City, Mich. Filed Sept. 27, 1943. Serial No. 463,674.

La Cara

FOR LIQUID FACE POWDER.
Claims use since Sept. 20, 1943.

410,397. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) THE CARPENTER STEEL COMPANY, Reading, Pa. Filed Oct. 6, 1943. Serial No. 463,929.

Carpenter
HyMu "80"

FOR STEEL IN THE FORM OF WIRE, STRIPS, BARS, BILLETS, AND SHAPES.
Claims use since Sept. 21, 1943.

410,398. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MAXINE & COMPANY, Cleveland, Ohio. Filed Oct. 7, 1943. Serial No. 463,975.

WORMOUT

FOR ADDUCTIVE LIQUID USED FOR ATTRACTING FISH-BAIT WORMS.
Claims use since Sept. 9, 1943.

410,399. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE DICALITE COMPANY, Los Angeles, Calif. Filed Oct. 13, 1943. Serial No. 464,104.

ARIDAIR

FOR COMPOSITIONS FOR DEHUMIDIFYING AIR AND OTHER GASES.
Claims use since Sept. 10, 1943.

410,400. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HERVEY MANUFACTURING CO., New York, N. Y. Filed Oct. 18, 1943. Serial No. 464,225.

Ann Seton

FOR PERFUMES IN LIQUID AND POWDER FORM, PERFUME BAGS AND PERFUME SACHETS.
Claims use since Aug. 15, 1943.

410,401. (CLASS 38. PRINTS AND PUBLICATIONS.) ROYCE PUBLISHERS, Chicago, Ill. Filed Oct. 18, 1943. Serial No. 464,231.

QUICK READER

FOR PRINTED BOOKS ISSUED IN CONTINUING SERIES.
Claims use since Sept. 1, 1943.

410,402. (CLASS 17, TOBACCO PRODUCTS.) GRADIAS, ANNIS & CO., INC., Tampa, Fla. Filed Oct. 21, 1943. Serial No. 464,311.



The picture is fanciful.
FOR CIGARS.
Claims use since Oct. 8, 1943.

410,403. (CLASS 3. BAGGAGE, ANIMAL, EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) RUGGED LUGGAGE & TRUNK COMPANY, INC., Newark, N. J. Filed Oct. 27, 1943. Serial No. 464,447.

RUGGED

FOR TRAVELING CASES, SUITCASES, WEEK-END BAGS, AND TRUNKS.
Claims use since Oct. 13, 1943.

410,404. (CLASS 47. WINES.) MUSCAT COOPERATIVE WINERY ASSOCIATION, Kingsburg, Calif. Filed Nov. 3, 1943. Serial No. 464,659.

SAN RAMON

FOR WINES.
Claims use since Oct. 1, 1943.

410,405. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BOWMAN DAIRY COMPANY, Chicago, Ill. Filed Nov. 29, 1943. Serial No. 465,354.

RICH-N-R

FOR COMBINATION OF DRIED WHEY, WHEAT FLOUR AND LECITHIN USED IN BAKING FOODS.
Claims use since Sept. 13, 1943.

410,406. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) FAIRBANKS, MORSE & Co., Chicago, Ill. Filed Dec. 20, 1943. Serial No. 465,915.

SHEFFIELD

FOR LOCOMOTIVE STANDPIPES AND SPOUTS FOR USE WITH WATER TANKS AND THE LIKE.
Claims use since Mar. 12, 1896.

410,407. (CLASS 27. HOROLOGICAL INSTRUMENTS.) ABE A. FRIEDMAN, Augusta, Ga. Filed Jan. 17, 1944. Serial No. 466,647.

Holland

FOR WATCHES.
Claims use since Oct. 1, 1943.

410,408. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MAURICE WILLIAM SILBERT, doing business as Williams Pharmaceuticals, Cleveland Heights, Ohio. Filed Jan. 19, 1944. Serial No. 466,714.

WILLIAM'S
GLYCERO B COMPLEX

FOR TONIC FOR NERVOUS DISORDERS DUE TO DEFICIENCY OF VITAMIN B_1.
Claims use since Oct. 1, 1943.

410,409. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HINSDALE SMITH, Springfield, Mass. Filed Jan. 25, 1944. Serial No. 466,866.

Colorbrome

FOR CHEMICALS AND CHEMICAL COMPOSITIONS FOR TONING, BLEACHING, AND FIXING PHOTOGRAPHIC PRINTS.
Claims use since Sept. 15, 1943.

410,410. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRANK DEDEK, doing business as Dedek's Laboratory, Chicago, Ill. Filed Feb. 17, 1944. Serial No. 467,487.

DEDEK'S
CRYSTAL
BALM

FOR BALM FOR TREATMENT OF COUGHS, COLDS, SORE THROAT, TONSILITIS, LUMBAGO, HEADACHE, NEURALGIA, BRONCHITIS, CATARRH, PLEURISY, INFLAMMATION AND CONGESTION, BURNS, SORES, CUTS, BRUISES, SPRAINS, RHEUMATISM, TOOTHACHE, BACKACHE, CHAPPED HANDS, SORE OR TIRED FEET, AND AS AN AFTER-SHAVING BALM.
Claims use since Oct. 2, 1932.

410,411. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) ALLIED STEEL PRODUCTS, Inc., Cleveland, Ohio. Filed Feb. 28, 1944. Serial No. 467,797.



FOR TRACTOR RAIL PLATES.
Claims use since June 1943.

410,412. (CLASS 32. FURNITURE AND UPHOLSTERY.) ROSENBAUM GLASS PRODUCTS, Inc., New York, N. Y. Filed Feb. 29, 1944. Serial No. 467,864.

FULLVUE

FOR VANITY POCKET MIRRORS.
Claims use since Oct. 13, 1943.

410,413. (CLASS 27. HOROLOGICAL INSTRUMENTS.) ABE A. FRIEDMAN, Augusta, Ga. Filed Mar. 8, 1944. Serial No. 468,075.

HOWLAND

FOR WATCHES.
Claims use since Oct. 1, 1943.

410,414. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARIE O. KEELEY, doing business as Keeley Company, Monson, Mass. Filed Mar. 20, 1944. Serial No. 468,454.

DOCTOR KEELEY'S
PINK TABLETS

FOR TABLETS FOR THE RELIEF OF PAIN.
Claims use since Mar. 1, 1924.

410,415. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) WALTER G. LEGGE COMPANY, Inc., New York, N. Y. Filed Mar. 23, 1944. Serial No. 468,572.

GUMROK

FOR NON-SLIP PLASTIC-LIKE MATERIAL FOR USE ON OILY, GREASY AND WET FLOORS AND SURFACES.
Claims use since Mar. 1, 1942.

410,416. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) BAILEY, PRIHODA & Co., Kalamazoo, Mich. Filed Mar. 29, 1944. Serial No. 468,772.

FUR-TONE

FOR FUR CLEANER.
Claims use since Sept. 21, 1943.

410,417. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHARLES V. HORVATH, doing business as Vincent Chemical Company and Charles V. Horvath Company, South Bend, Ind. Filed Apr. 27, 1944. Serial No. 469,727.

VINCENT

FOR PERMANENT WAVE SOLUTION.
Claims use since July 1939.

410,418. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHEMICALS, Inc., also doing business as So Kleen Products, Oakland and San Francisco, Calif. Filed June 24, 1944. Serial No. 471,587.

SoKLEEN



The representation of the child is fanciful.
FOR HOUSEHOLD BLEACH.
Claims use since Mar. 1, 1940.

410,419. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LAVERNE WALLIS, doing business as Wallis & Son, Murray, Ky. Filed June 26, 1944. Serial No. 471,695.
The drawing is lined for red.

WALLIS'

FOR PREPARATION FOR THE PREVENTION OF SKIPPERS ON MEATS.
Claims use since July 1, 1935.

410,420. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SAMUEL S. ATKINS, doing business as Trapex Drug Co., Springfield, Ohio. Filed June 29, 1944. Serial No. 471,777.

LILLIAN PERSIAN
L·P

FOR COMPOSITION FOR TREATING LEUCORRHEA.
Claims use since May 26, 1923.

410,421. (CLASS 37. PAPER AND STATIONERY.) BLUM FOLDING PAPER BOX Co., Inc., New York, N. Y. Filed July 10, 1944. Serial No. 472,034.

BLUM-O-MATIC

FOR CARDBOARD FOR COLLAPSIBLE BOXES.
Claims use since May 1941.

410,422. (CLASS 21. ELECTRICAL APPARATUS; MACHINES, AND SUPPLIES.) HOFFMAN RADIO CORPORATION, Los Angeles, Calif. Filed July 11, 1944. Serial No. 472,112.

Mitchell-Hughes

FOR RADIO RECEIVING APPARATUS AND PARTS THEREOF.
Claims use since Oct. 1, 1940.

410,423. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RADNAI COSMETIC LABORATORIES, Philadelphia, Pa. Filed July 19, 1944. Serial No. 472,400.

radnai
(RADNAY)

FOR COSMETICS—NAMELY, HAND REFINING CREAM, CLEANSING CREAM, AND TEXTURE CREAM.
Claims use since June 1940.

410,424. (CLASS 38. PRINTS AND PUBLICATIONS.) HAIRS PUBLISHING COMPANY, New York, N. Y. Filed July 22, 1944. Serial No. 472,518.



FOR SECTION OF A PERIODICAL.
Claims use since September 1943.

410,425. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE GRAPHO-DETECTOR CORPORATION OF AMERICA, New York, N. Y. Filed July 27, 1944. Serial No. 472,669.

GRAPHO-DETECTOR

FOR CHEMICALS FOR DETECTING ALTERATIONS IN DOCUMENTS.
Claims use since Aug. 1, 1940.

410,426. (CLASS 32. FURNITURE AND UPHOLSTERY.) THE WM. BRENNER FURNITURE CORP., Cincinnati, Ohio. Filed Aug. 7, 1944. Serial No. 473,015.

"BENCH-MADE"

FOR UPHOLSTERED CHAIRS AND DAVENPORTS.
Claims use since February 1941.

410,427. (CLASS 45. BEVERAGES, NONALCOHOLIC.) MONROE HARRISON, Chicago, Ill. Filed Aug. 19, 1944. Serial No. 473,446.

HARRISON'S ENRICHED

FOR NONALCOHOLIC, MALTLESS SOFT DRINKS AND SYRUPS AND CONCENTRATES FOR MAKING SAME.
Claims use since June 7, 1931.

410,428. (CLASS 47. WINES.) PACIFIC WINES, Los Angeles, Calif. Filed Aug. 21, 1944. Serial No. 473,479.

PIUMA

FOR WINES.
Claims use since 1933.

410,429. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) PACIFIC WINES, Los Angeles, Calif. Filed Aug. 21, 1944. Serial No. 473,480.

PIUMA'S

FOR BRANDY.
Claims use since 1935.

410,430. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) HOBÉ CIE, LTD., New York, N. Y. Filed Sept. 1, 1944. Serial No. 473,820.

Massa

FOR BRACELETS, BROOCH PINS, LAPEL PINS, EARRINGS, NECKLACES, AND FINGER RINGS.
Claims use since May 7, 1935.

410,431. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) VERNON CALHOUN, New York, N. Y. Filed Sept. 4, 1944. Serial No. 473,879.

CALHOUN COMPRESS

FOR BANDAGES.
Claims use since Apr. 1, 1942.

410,432. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) THE MAPES PIANO STRING CO., New York, N. Y. Filed Sept. 15, 1944. Serial No. 474,240.



FOR STRINGS FOR MUSICAL STRINGED INSTRUMENTS.
Claims use since June 1, 1943.

410,433. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RICHARDSON CORPORATION, Rochester, N. Y. Filed Sept. 20, 1944. Serial No. 474,427.

MARSHMALLOW RICH

FOR TOPPING PASTE MADE FROM EGG ALBUMEN, CORN SYRUP, CANE SUGAR, AND FLAVORING USED FOR COATING OR IN MAKING ICE CREAM, CAKES, COOKIES, CANDY, AND THE LIKE.
Claims use since August 1916.

410,434. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) STANDARD BRANDS INCORPORATED, New York, N. Y. Filed Oct. 2, 1944. Serial No. 474,835.

LOUDON

FOR VINEGAR.
Claims use since Aug. 28, 1943.

TRADE-MARK REGISTRATIONS RENEWED

25,508. **"CROSSED SWORDS" AND DRAWING.** BUTTONS, BUCKLES, CLASPS, DRESS FASTENERS, CHAINS FOR SUSPENDING AND FASTENING GARMENTS, HOOKS AND EYES OF ALL KINDS, BUTTON HOOKS, HAIR PINS, METAL RINGS, SHOE HORNS, AND KEY RINGS. Registered November 13, 1894. THOMAS CARLYLE AND JOHN MARK CARLYLE. Renewed November 13, 1944, to Buttons Limited, Birmingham, England, an incorporated company of England, successor.

25,625. **"BB" AND DRAWING.** YARNS OF WOOL, WORSTED, WOOL AND SILK, AND HAIR. Registered December 11, 1894. J. & J. BALDWIN, Halifax, England. Re-renewed December 11, 1944, to Patons & Baldwins, Inc., Newark, N. J., a corporation of Delaware, assignee by mesne assignments.

25,668. **BB.** YARNS OF WOOL, WORSTED, WOOL AND SILK, AND HAIR. Registered December 18, 1894. J. & J. BALDWIN, Halifax, England. Re-renewed December 18, 1944, to Patons & Baldwins, Inc., Newark, N. J., a corporation of Delaware, assignee by mesne assignments.

25,669. **"BB" AND DRAWING.** YARNS OF WOOL, WORSTED, WOOL AND SILK, AND HAIR. Registered December 18, 1894. J. & J. BALDWIN, Halifax, England. Re-renewed December 18, 1944, to Patons & Baldwins, Inc., Newark, N. J., a corporation of Delaware, assignee by mesne assignments.

25,674. **BEE-HIVE.** YARNS OF WOOL, WORSTED, WOOL AND SILK, AND HAIR. Registered December 18, 1894. J. & J. BALDWIN, Halifax, England. Re-renewed December 18, 1944, to Patons & Baldwins, Inc., Newark, N. J., a corporation of Delaware, assignee by mesne assignments.

25,860. **MIKADO.** PAPER BAGS. Registered January 15, 1895. UNION BAG & PAPER COMPANY, Chicago, Ill. Re-renewed January 15, 1945, to Union Bag & Paper Corporation, New York, N. Y., a corporation of New Jersey, assignee.

26,168. **KANNER.** TIN PLATES, TERNE PLATES, AND SIMILAR GOODS. Registered March 5, 1895. THE AMERICAN TIN PLATE COMPANY, Elwood, Ind. Re-renewed March 5, 1945, to Carnegie-Illinois Steel Corporation, Pittsburgh, Pa., a corporation of New Jersey, successor.

26,169. **PREMIER.** TIN PLATES, TERNE PLATES, AND SIMILAR GOODS. Registered March 5, 1895. THE AMERICAN TIN PLATE CO., Elwood, Ind. Re-renewed March 5, 1945, to Carnegie-Illinois Steel Corporation, Pittsburgh, Pa., a corporation of New Jersey, successor.

26,252. **REPRESENTATION OF A QUAKER.** FLOUR AND OTHER CERTAIN NAMED CEREAL FOODS. Registered March 19, 1895. THE AMERICAN CEREAL COMPANY, Akron and Ravenna, Ohio, Chicago, Ill., and Cedar Rapids, Iowa. Re-renewed March 19, 1945, to The Quaker Oats Company, Chicago, Ill., a corporation of New Jersey, assignee.

26,253. **QUAKER.** FLOUR AND OTHER CERTAIN NAMED CEREAL FOODS. Registered March 19, 1895. THE AMERICAN CEREAL COMPANY, Akron and Ravenna, Ohio, Chicago, Ill., and Cedar Rapids, Iowa. Re-renewed March 19, 1945, to The Quaker Oats Company, Chicago, Ill., a corporation of New Jersey, assignee.

26,254. **"QUAKER" AND DRAWING.** FLOUR AND OTHER CERTAIN NAMED CEREAL FOODS. Registered March 19, 1895. THE AMERICAN CEREAL COMPANY, Akron and Ravenna, Ohio, Chicago, Ill., and Cedar Rapids, Iowa. Re-renewed March 19, 1945, to The Quaker Oats Company, Chicago, Ill., a corporation of New Jersey, assignee.

26,305. **"CHALLENGE" AND DRAWING.** FIREWORKS. Registered March 26, 1895. ST. LOUIS FIREWORKS COMPANY, St. Louis, Mo. Re-renewed March 26, 1945, to Unexcelled Manufacturing Co. Inc., New York, N. Y., a corporation of New York, assignee.

178,383. **"TANGO" AND DRAWING.** OLIVE OIL. Registered January 8, 1924. HIJOS DE YBARRA. Renewed January 8, 1944, to Hijos de Ybarra, S. en C., Seville, Spain, a joint stock company of Spain, assignee.

186,865. **"SALLY" ETC. AND DRAWING.** MIDDIES, KNICKERS, BLOOMERS, SKIRTS, AND TRUNKS. Registered July 22, 1924. SALLY MIDDY CO. INC. Renewed July 22, 1944, to Robert L. Schwartz & Bro. Inc., New York, N. Y., a corporation of New York, assignee.

187,851. **LAFAYETTE.** RADIO RECEIVING SETS, AND PARTS THEREOF, HEAD TELEPHONES, AND LOUD SPEAKERS. Registered August 12, 1924. R. E. THOMPSON MANUFACTURING COMPANY, Jersey City, N. J. Renewed August 12, 1944, to Radio Wire Television Inc. of New York, New York, N. Y., a corporation of New York, successor.

189,157. **E-Z-KILL.** LOUSE, FLEA, AND INSECT DESTROYER. Registered September 16, 1924. HARRY J. SMITH, doing business as H. J. Smith & Company. Renewed September 16, 1944, to The Bonide Chemical Company, Utica, N. Y., a co-partnership, assignee by mesne assignments.

189,901. **"DRINK WATER" AND DRAWING.** WHEAT FLOUR. Registered September 30, 1924. MORTEN MILLING COMPANY. Renewed September 30, 1944, to Tex-O-Kan Flour Mills Company, Dallas, Tex., a corporation of Delaware, assignee.

190,078. **ULTRA.** METALLIC ALLOYS, PARTICULARLY AN ALLOY FOR THE PRODUCTION OF WHITE GOLD. Registered October 7, 1924. STANDARD PLATINUM COMPANY, INC., New York, N. Y., a corporation of New York. Renewed October 7, 1944.

190,099. **"ARROW MILLS" AND DRAWING.** SPICES. Registered October 7, 1924. VAN LOAN & COMPANY. Renewed October 7, 1944, to Van Loan & Co. Inc., New York, N. Y., a corporation of New York, assignee.

190,197. **"LANGROCK" AND DESIGN.** MEN'S SACK COATS, CUTAWAY COATS, FULL-DRESS SUITS, TUXEDO SUITS, PRINCE ALBERT SUITS, AND GOLF SUITS; MEN'S AND BOYS' ULSTERS, TOPCOATS, OVERCOATS, TROUSERS, KNICKERBOCKERS, VESTS, SUITS, NECKTIES, CRAVATS, SCARFS, COLLARS, AND CERTAIN OTHER NAMED ARTICLES OF CLOTHING FOR MEN AND BOYS, AND WOMEN. Registered October 7, 1924. D. T. LANGROCK, INC. Renewed October 7, 1944, to David T. Langrock, New Haven, Conn., successor.

190,228. **"RENO'S NEW HEALTH" AND DRAWING.** PREPARATIONS FOR THE TREATMENT OF DISEASES PECULIAR TO WOMEN. Registered October 7, 1924. S. B. LEONARDI & CO. INC., New Rochelle, N. Y., a corporation of New York. Renewed October 7, 1944.

190,273. **GLEBEAS ROSETONE.** FACE POWDERS, FACE CREAMS, PERFUMES, TOILET WATERS, ROUGES, HAIR TONICS, HAIR OILS, DENTIFRICES, TOOTH POWDERS, NAIL POLISHES, DEODORIZING PREPARATIONS, SACHET POWDERS AND BATH SALTS. Registered October 7, 1924. GLEBEAS IMPORTATION CO. Renewed October 7, 1944, to Glebeas Importation Co. Inc., New York, N. Y., a corporation of New York, assignee.

190,336. **LOG ENDS.** CANDY AND CONFECTIONERY CONSISTING OF FUDGE, NUGGET, AND CARAMEL. Registered October 14, 1924. GOLDEN NUGGET SWEETS. Renewed October 14, 1944, to Golden Nugget Sweets Ltd., San Francisco, Calif., a limited partnership of California, assignee.

190,590. **BULLDOG JUNIOR.** EARS, CLAMPS, AND HANGERS FOR SUSPENDING AND SUPPORTING TROLLEY WIRES, CONDUCTORS, CABLES, AND OTHER WIRES. Registered October 14, 1924. THE OHIO BRASS COMPANY, Mansfield, Ohio, a corporation of New Jersey. Renewed October 14, 1944.

190,604. **WATERTONE.** CHEMICAL COMPOUND FOR PREVENTING AND REMOVING SCALE FROM BOILERS AND AS A NEUTRALIZING AND SOFTENING AGENT FOR WATER FED TO BOILERS. Registered October 14, 1924. EDWARD R. WILLIAMS, doing business as Creative Chemical Company, Pittsburgh, Pa. Renewed October 14, 1944.

190,702. **PENGRADE.** LUBRICATING OILS AND GREASES. Registered October 21, 1924. THE FRED G. CLARK COMPANY, Cleveland, Ohio. Renewed October 21, 1944, to Sinclair Refining Company, New York, N. Y., a corporation of Maine, assignee by mesne assignments.

190,950. **CATERPILLAR.** RAILWAY LOCOMOTIVES. Registered October 28, 1924. THE HOLT MANUFACTURING COMPANY, Stockton, Calif. Renewed October 28, 1944, to Caterpillar Tractor Co., San Leandro, Calif., a corporation of California, assignee.

191,132. **HORTONSPHERE.** STORAGE TANKS. Registered November 4, 1924. CHICAGO BRIDGE & IRON WORKS. Renewed November 4, 1944, to Chicago Bridge & Iron Company, Chicago, Ill., a corporation of Illinois, assignee.

191,172. **ECLAT.** SILK PIECE GOODS. Registered November 4, 1924. DUPLAN SILK CORPORATION. Renewed November 4, 1944, to The Duplan Corporation, New York, N. Y., a corporation of Delaware, by change of name.

191,500. **CEL-O-MEND.** WATERPROOFING AND SEAL-FORMING MATERIALS ADAPTED TO FORM PROTECTIVE COATINGS OR HERMETIC SEALS. Registered November 11, 1924. CELLO PRODUCTS INCORPORATED, New York, N. Y. Renewed November 11, 1944, to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware, assignee by mesne assignments.

191,506. **YVY.** KNIFE POLISH, SHAVING SOAP, SOFT SOAP, LAUNDRY SOAP, SILK SOAP, POLISHING STONE, WASHING POWDER, SOAP POWDER, TOILET SOAP, WASHING SOAP, A LIQUID FOR SCOURING CLOTHES KNOWN AS SCOURING DROPS, SOAPS CONTAINING AN EXTRACT OF THE BARK OF QUILLAJA SAPONARIA AND POMATUM, AND ZINC-CLEANING COMPOUNDS. Registered November 11, 1924. AKTIEBOLAGET YVY-FABRIKEN, Ystad, Sweden, a corporation of Sweden. Renewed November 11, 1944.

191,568. **THERMOIL.** PETROLEUM PRODUCTS CONSISTING OF LUBRICATING OILS AND GREASES. Registered November 11, 1924. THERMOIL LUBRICANTS CO., Tulsa, Okla. Renewed November 11, 1944, to Thermoil Lubricants Corporation, Elk City, Okla., a corporation of Oklahoma, assignee by mesne assignments.

191,946. **HYDROIL.** INTERNAL-GRINDING MACHINES. Registered November 25, 1924. GREENFIELD TAP AND DIE CORPORATION, Greenfield, Mass., a corporation of Massachusetts. Renewed November 25, 1944.

192,050. **AQUASOL.** SOLUBLE SULPHONATED OIL TO ASSIST IN SECURING SOFTNESS AND LUSTER OF FINISH AND A GREATER PENETRATION OF DYESTUFFS ON TEXTILE AND LEATHER. Registered November 25, 1924. A. KLIPSTEIN AND COMPANY, Woodbridge, N. J., and New York, N. Y. Renewed November 25, 1944, to American Cyanamid & Chemical Corporation, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

192,163. **TONILAX.** CATHARTIC PILLS. Registered November 25, 1924. FOSTER-MCCLELLAN CO., Buffalo, N. Y., and Paris, France. Renewed November 25, 1944, to Henry Oliver Smith, Jr., Buffalo, N. Y., assignee by mesne assignments.

193,051. **MINTALADE.** MINT SAUCE. Registered December 16, 1924. KEHOE PRESERVING CO., Clay City, Ind. Renewed December 16, 1944, to Kehoe Preserving Co., Terre Haute, Ind., a corporation of Indiana.

193,295. **"THOROWEAR" AND DESIGN.** HOSIERY. Registered December 23, 1924. RUFUS W. SCOTT COMPANY. Renewed December 23, 1944, to Bacon-Scott Company, Inc., New York, N. Y., a corporation of Delaware, assignee.

193,402. **UNION.** LINEN FIRE HOSE. Registered December 30, 1924. WILLIAM AND CHARLES BECK, INC., Lawrence, Mass., a corporation of Massachusetts. Renewed December 30, 1944.

194,252. **TRAUN'S.** DENTAL RUBBER. Registered January 20, 1925. ATLANTIC RUBBER MANUFACTURING CORPORATION, New York, N. Y., a corporation of New York. Renewed January 20, 1945.

194,330. **TRICONESE.** FABRIC AND PIECE GOODS MADE OF SILK, ARTIFICIAL SILK, COTTON, OR A COMBINATION THEREOF. Registered January 20, 1925. JULIUS KAYSER & CO., New York, N. Y., a corporation of New York. Renewed January 20, 1945.

194,357. **"HARRISON COOLED" AND DRAWING.** AUTOMOBILE RADIATORS. Registered January 20, 1925. HARRISON RADIATOR CORPORATION, Lockport, N. Y. Renewed January 20, 1945, to General Motors Corporation, Detroit, Mich., a corporation of Delaware, assignee.

194,428. **REPRESENTATION OF A WIRE WITH COVERING OF BROWN COLOR AND BLACK STRANDS THEREIN SHOWING INTERMITTENTLY.** ELECTRIC INSULATED WIRE. Registered January 27, 1925. THE PACKARD ELECTRIC COMPANY, Warren, Ohio. Renewed January 27, 1945, to General Motors Corporation, Detroit, Mich., a corporation of Delaware, assignee by mesne assignments.

194,519. **GUIDE.** ELECTRIC LAMPS FOR AUTOMOBILES AND MOTOR VEHICLES OF ALL KINDS. Registered January 27, 1925. THE GUIDE MOTOR LAMPS MANUFACTURING COMPANY, Cleveland, Ohio. Renewed January 27, 1945, to General Motors Corporation, Detroit, Mich., a corporation of Delaware, assignee by mesne assignments.

194,669. **"RAY WHITE BAGS" AND DESIGN.** PAPER RECEPTACLES, PAPER BAGS USED BY GROCERS, BAKERS, FLOUR MILLS, CANDY SHOPS, DEPARTMENT STORES, DRUGGISTS, AND TOBACCONISTS. Registered February 3, 1925. THE RAYMOND BAG COMPANY, Middletown, Ohio, a corporation of Ohio. Renewed February 3, 1945.

195,100. **REPRESENTATION OF SCALES AND A KEYSTONE.** SAWS, SAW HANDLES, INSERTED SAW TEETH, INSERTED SAW TEETH HOLDERS, SAW MANDRELS, SAW GUMMERS, SAW GUMMER CUTTERS, SAW GUMMER GRINDERS, SAW SWAGES, SAW SHAPERS, SAW SETS, SAW FILING CLAMPS, SAW FILING CLAMP GUIDES, SAW SHARPENERS, SAW PUNCHES, SAW FRAMES, SAW BUCKS, SAW RODS, SAW SCREWS, SAW TOOLS, HAND SAW SHEARS, WRENCHES, TROWELS, AND OTHER CERTAIN NAMED TOOLS. Registered February 17, 1925. HENRY DISSTON & SONS, INCORPORATED, Philadelphia, Pa., a corporation of Pennsylvania. Renewed February 17, 1945.

195,361. **"MARGO HERB TABLETS" AND DESIGN,** HERB TABLETS FOR BLOOD, STOMACH, AND LIVER DISORDERS. Registered February 24, 1925. GODFREY SCHMIDT, doing business as Margo Distributing Company, Dayton, Ohio. Renewed February 24, 1945.

195,490. **DIXIE.** SHELLED AND UNSHELLED PECANS IN THEIR NATURAL STATE. Registered February 24, 1925. DIXIE PECAN GROWERS EXCHANGE, INC. Renewed February 24, 1945, to Dixie Paper Shell Pecan Exchange Inc., Barnesville, Ga., a corporation of Georgia, assignee.

195,714. **"CARTER" AND DRAWING.** PUMPS OF ALL KINDS AND PARTS THEREOF, INTERNAL-COMBUSTION ENGINES AND PARTS THEREOF. Registered March 3, 1925. RALPH B. CARTER COMPANY, New York, N. Y., a corporation of New York. Renewed March 3, 1945.

195,731. **FLEURS A VOUS.** SKIN AND TISSUE CREAM, TALC, FACE POWDER, BATH SALTS, SACHET, TOOTH POWDER, ALMOND MEAL, TOILET WATER, HEADACHE COLOGNE, SMELLING SALTS, COLD CREAM, TOOTH PASTE, PERFUME, LIP STICKS, BATH POWDER, TOILET CERATE, AND VANISHING CREAM. Registered March 3, 1925. RICHARD HUDNUT, New York, N. Y., a corporation of New York. Renewed March 3, 1945.

195,744. **PAMCO.** MANICURE INSTRUMENTS. Registered March 3, 1925. THE PAYNE MANUFACTURING COMPANY, Brooklyn N. Y., a corporation of New York. Renewed March 3, 1945.

195,802. **"PERFEKT ARCH" AND DRAWING.** LEATHER, RUBBER, AND FABRIC SHOES. Registered March 3, 1925. L. KLEIN, INC., Chicago, Ill., a corporation of Illinois. Renewed March 3, 1945.

195,833. **"AUTO TRUCK EQUIPMENT CO." AND DRAWING.** CABS, TRUCKS, VANS, COMBINATION WOOD AND METAL BODIES, SPECIAL BODIES, METAL BODIES, WOOD BODIES, STAKES, COVERS, AND SIDE BOARDS. Registered March 3, 1925. AUTO TRUCK EQUIPMENT COMPANY, Pittsburgh, Pa., a corporation of Pennsylvania. Renewed March 3, 1945.

195,878. **"TAPESTRY" AND DRAWING.** SHEET GLASS. Registered March 3, 1925. PITTSBURGH PLATE GLASS COMPANY, Pittsburgh, Pa., a corporation of Pennsylvania. Renewed March 3, 1945.

196,094. **"STRENGTH & DURABILITY BOND" AND DRAWING.** TRUCK CASTERS. Registered March 10, 1925. BOND FOUNDRY AND MACHINE COMPANY, Manheim, Pa. Renewed March 10, 1945, to Bond Foundry & Machine Company, Philadelphia, Pa., a corporation of Pennsylvania.

196,116. **COLOURDEX.** APPARATUS FOR INDEXING, INDICATING, AND RECORDING THE DUTIES AND/OR OTHER DATA RELATING TO PERSONS OR OBJECTS. Registered March 10, 1925. GLENNY & BLEW. Renewed March 10, 1945, to Colourdex Control Limited, London, England, a British joint stock company, assignee.

196,182. **"MILKY WAY" AND DESIGN.** CANDY. Registered March 10, 1925. FRANK C. MARS, doing business as Mar-O-Bar Company, Minneapolis, Minn. Renewed March 10, 1945, to Mars, Incorporated, Chicago, Ill., a corporation of Delaware, assignee by mesne assignments.

196,264. **"TABLE-TEX" AND DESIGN.** OILED CLOTH. Registered March 17, 1925. THE COLUMBUS-UNION OIL CLOTH CO. Renewed March 17, 1945, to Columbus Coated Fabrics Corporation, Columbus, Ohio, a corporation of Ohio, by change of name.

196,265. **"SHELF-TEX" AND DESIGN.** OILED CLOTH. Registered March 17, 1925. THE COLUMBUS-UNION OIL CLOTH CO. Renewed March 17, 1945, to Columbus Coated Fabrics Corporation, Columbus, Ohio, a corporation of Ohio, by change of name.

196,426. **MOGENE.** TOOTH PASTE. Registered March 17, 1925. THE HALL VAN GORDER COMPANY, Cleveland, Ohio. Renewed March 17, 1945, to Sterling Drug Inc., Wilmington, Del., a corporation of Delaware, assignee by mesne assignments.

196,428. **"LIN-TEX" AND DESIGN.** OILED CLOTH. Registered March 17, 1925. THE COLUMBUS-UNION OIL CLOTH CO. Renewed March 17, 1945, to Columbus Coated Fabrics Corporation, Columbus, Ohio, a corporation of Ohio, by change of name.

196,486. **PANTRY SHELF CANDY.** CANDY. Registered March 17, 1925. THE BRECHT CANDY COMPANY, Denver, Colo., a corporation of Colorado. Renewed March 17, 1945.

196,499. **LIPIDOL.** MEDICINAL PREPARATION FOR SCROFULA, LYMPHATISM, ADENOIDS, DISEASES OF LUNGS, HEART, AND BLOOD VESSELS; RHEUMATISM, SPECIFIC DISEASES, ASTHMA, SCROFULOUS KERATITIS, OTO-RHINO-LARYNGOLOGY. Registered March 17, 1925. LAURENT LAFAY, Paris, France. Renewed March 17, 1945, to E. Fougera & Co., Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments.

196,500. **WHEAT PUFF.** CAKES, COOKIES, FRIED CAKES, DOUGHNUTS, BREAD AND ROLLS. Registered March 17, 1925. GRENNAN CAKE CORPORATION, Detroit, Mich., now by change of name Grennan Bakeries, Incorporated. Renewed March 17, 1945, to Grennan Bakeries, Inc., Chicago, Ill., a corporation of Delaware.

196,604. **"DARVAL" AND DESIGN.** GATE VALVES AND FIRE HYDRANTS. Registered March 24, 1925. DARLING VALVE & MANUFACTURING COMPANY, Williamsport, Pa., a corporation of Pennsylvania. Renewed March 24, 1945.

196,794. **CHATTY MOTTOES.** CANDY. Registered March 31, 1925. HAWLEY & HOOPS. Renewed March 31, 1945, to Hawley & Hoops, New York, N. Y., a firm, successor.

196,800. **"STYLEPARK" AND DRAWING.** MEN'S FELT HATS. Registered March 31, 1925. STYLEPARK HATS, INC., Philadelphia, Pa., a corporation of Pennsylvania. Renewed March 31, 1945.

196,846. **"NO. 214" AND DESIGN.** SAWS. Registered March 31, 1925. SIMONDS SAW AND STEEL COMPANY, Fitchburg, Mass., a corporation of Massachusetts. Renewed March 31, 1945.

196,847. **"NO. 0214" AND DESIGN.** SAWS. Registered March 31, 1925. SIMONDS SAW AND STEEL COMPANY, Fitchburg, Mass., a corporation of Massachusetts. Renewed March 31, 1945.

196,852. **DODCO.** CANNED FRUIT, CANNED FISH, COCOANUT (IN BULK), TEA, COFFEE, CANNED VEGETABLES, AND ALBUMEN CONSISTING OF WHITES OF EGGS IN FLAKE FORM AND USED FOR FOOD PURPOSES (IN BULK), CANNED FRUIT SALAD, AND CANNED VEGETABLE SALAD. Registered March 31, 1925. DODWELL & CO. LTD., San Francisco, and Los Angeles, Calif., London, England, Hong Kong, Canton, Chunking, Foochow, Shanghai, Hankow, China, Yokohama, Kobe, Japan, Colombo, Ceylon, Antwerp, Belgium, New York, N. Y., Seattle, Wash., Vancouver, British Columbia, and Habana, Cuba. Renewed March 31, 1945, to Dodwell & Co., Ltd., San Francisco and Los Angeles, Calif., London, England, Seattle, Wash., Vancouver, British Columbia, Calcutta, India, Colombo, Ceylon, Sydney, Australia, Johannesburg and Capetown, South Africa, Tokyo, Kobe, Yokohama, and Nagoya, Japan, Hong Kong, Chungking, Shanghai, Hankow, Foochow, and Canton, China, and Rangoon, Burma, a corporation of Great Britain.

196,873. **MULBERRY MIXED.** CANDY. Registered March 31, 1925. HAWLEY & HOOPS. Renewed March 31, 1945, to Hawley & Hoops, New York, N. Y., a firm, successor.

196,876. **"J. L. STIFEL & SONS" AND DRAWING.** COTTON PIECE GOODS. Registered March 31, 1925. J. L. STIFEL & SONS. Renewed March 31, 1945, to J. L. Stifel & Sons, Inc., Wheeling, W. Va., a corporation of West Virginia, by change of name.

196,882. REPRESENTATION OF A SAW BLADE WITH A RED BAND APPLIED TO ONE END. SAW BLADES. Registered March 31, 1925. SIMONDS SAW AND STEEL COMPANY, Fitchburg, Mass., a corporation of Massachusetts. Renewed March 31, 1945.

196,889. REPRESENTATION OF A MACHINE KNIFE WITH A RED BAND ON THE BACK THEREOF. MACHINE KNIVES. Registered March 31, 1925. SIMONDS SAW AND STEEL COMPANY, Fitchburg, Mass., a corporation of Massachusetts. Renewed March 31, 1945.

REISSUES

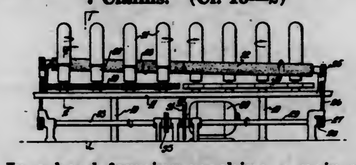
NOVEMBER 21, 1944

22,561
METHOD AND MACHINE FOR TREATING THIN RUBBER ARTICLES

Gustav A. Fingado, Little Falls, and Hans Ludwig, Hohokus, N. J., assignors to Julius Schmid, Inc., New York, N. Y.

Original No. 2,249,755, dated July 22, 1941, Serial No. 282,448, July 1, 1939. Application for reissue May 18, 1944, Serial No. 536,148

7 Claims. (Cl. 18—2)



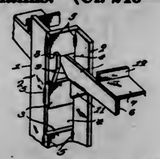
4. In a bead forming machine, a pair of parallel rotatable bead forming rolls, form boards, a plurality of forms rotatably mounted on said boards and each carrying an article to be beaded, means for advancing the form boards along the rolls with the articles on the forms simultaneously in contact with both rolls, a gear on each of said forms, and staggered racks on opposite sides of the forms and adapted to be engaged by said gears for alternately rotating the forms in opposite directions for the purpose specified.

22,562
COMBINED FRAMING STRUCTURE AND BRACKET SUPPORT

Frederick Kautz, Philadelphia, Pa.

Original No. 2,326,783, dated August 17, 1943, Serial No. 394,021, May 17, 1941. Application for reissue May 17, 1944, Serial No. 536,001

30 Claims. (Cl. 248—235)



1. A device of the character described, comprising in combination, a stud element or the like having a medial portion and oppositely extended flanges disposed in substantially parallel relation to each other, said medial portion having an aperture therethrough, and opposed members to be supported with said stud element therebetween, having an extension element insertable through said aperture from respective sides of the stud.

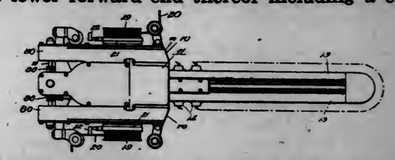
22,563
KERF-CUTTING MACHINE

Frank A. Lindgren, La Grange, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois

Original No. 2,298,392, dated October 13, 1942, Serial No. 354,180, August 26, 1940. Application for reissue September 18, 1944, Serial No. 554,634

12 Claims. (Cl. 262—30)

1. In a mining machine of the type slidable along the mine bottom on its bottom during cutting, a main frame, a cutter bar projecting forwardly from said main frame and having a cutter chain movable thereabout in an orbital path, and cuttings collecting means extending along the advance side of said machine from the lower forward end thereof including a con-



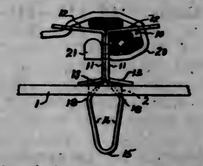
veyer extending along and recessed within the advance side of said machine and having a receiving end disposed adjacent said cutter chain and opening to the forward end of said machine and having a discharge end adjacent the upper rear end of said machine.

22,564
WIRING AND THE LIKE CLIP DEVICE

Howard J. Murphy, Greenwood, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts

Original No. 2,340,249, dated January 25, 1944, Serial No. 448,694, June 26, 1942. Application for reissue February 4, 1944, Serial No. 521,131

17 Claims. (Cl. 24—73)



1. A strand-retainer comprising opposed channel-shaped strand-receiving portions having an intermediate web, fastener means formed as a continuation of the web and extending below said channel-receiving portion, an elastic strap secured at one end to said web, said retainer having a strap-receiving opening in another part thereof, said strap being stretchable to embrace a plurality of strands grouped in one of said channels to hold said strands in place, and an intermediate portion of the strap being hooked into said strap-receiving opening.

22,565
HOLDER AND DISPENSER FOR ROLLED SHEET MATERIAL

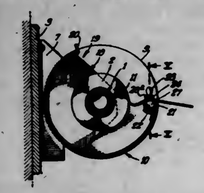
Alexander C. Gillanders, West Hollywood, and Harry H. Daggett, Los Angeles, Calif., assignors to Johnson & Johnson, New Brunswick, N. J., a corporation of New Jersey

Original No. 2,295,648, dated September 15, 1942, Serial No. 319,578, February 19, 1940. Application for reissue September 10, 1943, Serial No. 501,836

12 Claims. (Cl. 242—55.5)

1. In a holder for rolled sheet material, the combination of: a roll supporting rod for removably receiving a roll of said sheet material; a tubular rail member having a longitudinally

extending slot therein; bracket means extending transversely of said rail member at opposite ends thereof for supporting said rail member in substantially parallel relation to said rod; a guiding member slidably mounted in said tubular member; a cutter secured to said guiding member and extending through said slot, whereby



movement of said cutter along said slot operates to cut said material unrolled from said roll and extended across said slot; and means for permitting removal of said cutter from said rail member comprising a notch in said tubular rail member intersecting said slot and having width and length dimensions sufficient to pass said guiding member.

22,566

TREATMENT OF WOOLEN TEXTILE MATERIALS

Edwin P. Johnstone, Jr., Glenbrook, and William J. van Loo, Jr., East Port Chester, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

Original No. 2,329,622, dated September 14, 1943, Serial No. 409,036, August 30, 1941. Application for reissue September 8, 1944, Serial No. 553,204

8 Claims. (Cl. 117—141)

6. A process of reducing the felting and shrinking tendencies of wool which comprises impregnating clean wool with an aqueous dispersion of a substantially unpolymerized, alkylated methylol-melamine condensation product, the take-up of the dispersion being such as to deposit in the wool from 2½% to 15% by weight based on the dry weight of the wool of the alkylated methylol-melamine condensation product and thereafter drying and heating the impregnated wool at a temperature within the range of 200° F. to 300° F. to polymerize the alkylated methylol-melamine condensation product on the wool to a substantially water-insoluble condition.

22,567

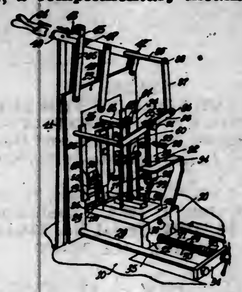
MECHANISM FOR CUTTING AND LOOPING SPRINGS

Carl G. Hicks, Chicago, Ill., assignor to Maurice T. Williams and Ralph E. Williams

Original No. 2,268,824, dated January 6, 1942, Serial No. 403,934, July 25, 1941. Application for reissue October 26, 1942, Serial No. 463,389

25 Claims. (Cl. 140—103)

1. In a device of the class described, a fixed bed and a movable bed, means normally urging the movable bed toward the fixed bed, said two bed means providing a path of movement for a spring unit to be acted upon, a movable carriage arranged above said two beds and having a shear portion thereof disposed between said beds for shearing said spring unit into separate body portions, cam means on said carriage for moving said movable bed away from said fixed bed for separating the severed ends of said sheared spring, means on said carriage flexing the two last convolutions of said severed ends in a direction away from the body portion of the respective spring, a complementary means for crimp-



ing said last two convolutions at right angle to the body of the spring, and means for moving said carriage with respect to the two bed means for the purpose aforesaid.

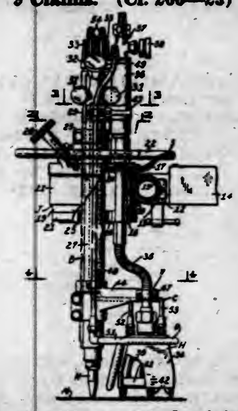
22,568

CUTTING OR WELDING AND HEAT-TREATING APPARATUS

Herbert H. Moss, Elizabeth, N. J., and George W. Patch, Jr., Kenmore, N. Y., assignors to The Linde Air Products Company, a corporation of Ohio

Original No. 2,253,377, dated August 19, 1941, Serial No. 264,918, March 30, 1939. Application for reissue May 26, 1942, Serial No. 444,570

9 Claims. (Cl. 266—23)



1. A flame-cutting and heat-treating unit adapted to progressively remove ferrous metal along a path on a metal body, and to apply localized reconditioning heat to the successive metallurgically-affected portions along the path of metal removal, comprising a flame-cutting blowpipe adapted to discharge preheating and flame-cutting jets; a heating head operable independently of said blowpipe and positioned remotely from said blowpipe; a journalled mounting for rotatably supporting said blowpipe and said head as a unit, the axis of said journal being substantially perpendicular to said surface; and an apertured conduit adjacent to said head and adapted to contain inert fluid under pressure for projecting a screen of said fluid adjacent to and substantially transversely of said heating head, to deflect the secondary flames of said head away from said journal and said blowpipe.

PATENTS

GRANTED NOVEMBER 21, 1944

2,362,964

RECOVERY ADDITION AGENT AND METHOD OF MAKING

Gregor S. Affleck, Pleasant Ridge, Mich.

No Drawing. Application August 2, 1940, Serial No. 350,120

12 Claims. (Cl. 117—102)

1. The method of recovering excess coating material from spray chambers which comprises flowing over the walls and washing the air of said chambers with a dilute aqueous dispersion of a finely divided asbestine, to which has been added small amounts of a gum and a wetting agent and comprising dioctyl sodium sulphosuccinate.

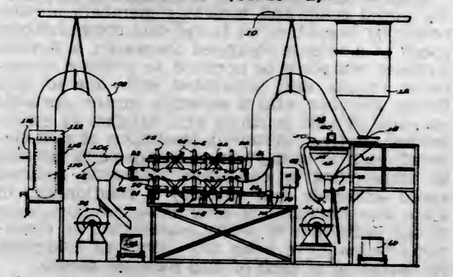
2,362,965

METHOD OF GINNING MILKWEED

Boris Berkman, Chicago, Ill., assignor to Milkweed Products Development Corporation, Chicago, Ill., a corporation of Illinois

Application May 15, 1942, Serial No. 443,086

5 Claims. (Cl. 19—1)



1. A method for the liberation of milkweed floss comprising subjecting the floss and seeds to an air blast in an enclosure, beating the floss and seeds by causing the enclosure to collapse and expand intermittently, and separating the floss from the seeds by differential air flotation.

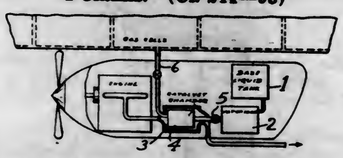
2,362,966

APPARATUS FOR FILLING GAS BALLOONS AND AIRSHIPS WITH LIGHT GASES

Johann Adam Bertsch, deceased, late of St. Louis, Mo., by the Manufacturers' Bank and Trust Company of St. Louis, executor, St. Louis, Mo.

Application June 12, 1941, Serial No. 397,727

4 Claims. (Cl. 244—98)



1. In a lighter-than-air flying machine having a buoyant gas cell, a propeller, and an internal combustion engine for driving the same, means for chemically generating buoyant permanent gas for filling said gas cell, consisting of the combination of a reservoir of liquid methanol, means for vaporizing the methanol stored therein, said means being operated by the heat of said engine, catalytic means for converting the vaporized methanol into a mixture of permanent gases, and means for introducing said permanent gases into said gas cell.

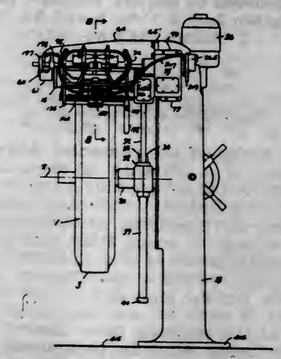
2,362,967

TIRE GROOVING APPARATUS

Elbert Litton Bivans, Los Angeles, Calif., assignor to Arch B. Cleveland, Los Angeles, Calif.

Application March 9, 1942, Serial No. 433,954

12 Claims. (Cl. 82—1)



8. In a tire groover, the combination of means for rotating a tire about its axis, a groover knife structure, a rotating cam member having a cam surface extending in a radial direction from the center of rotation, a cam follower, the radially extending cam surface of the cam member providing a varying cam arm through its radial extent, means for adjusting the position of the cam follower radially with respect to the axis of rotation of the cam whereby the cam follower is differently moved under the action of the said cam surface at points of different adjustment, means operatively connecting the cam follower with the knife structure to abruptly shift the position of the knife structure transversely of the tire surface during rotation of the tire, means for driving the cam member in timed relation with the rotation of the tire.

2,362,968

SYSTEM FOR CONVERTING A LIQUEFIED GAS INTO VAPOR

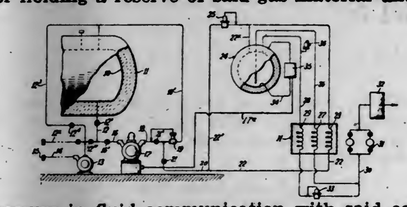
Lyman A. Bliss, New York, and Odd A. Hansen, Kenmore, N. Y., assignors to The Linde Air Products Company, New York, N. Y., a corporation of Ohio

Application July 8, 1941, Serial No. 401,460

23 Claims. (Cl. 62—1)

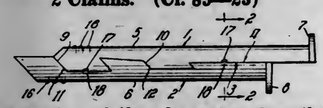
1. In a system for converting a liquefied gas into a vapor for industrial use, the combination with a heat insulated container adapted for holding a supply of said liquefied gas, of pumping means associated with said container and having liquid phase connections leading therefrom, a gas consuming system including servicing connections and heating and vaporizing means con-

nected to be supplied from said container, means for holding a reserve of said gas material under



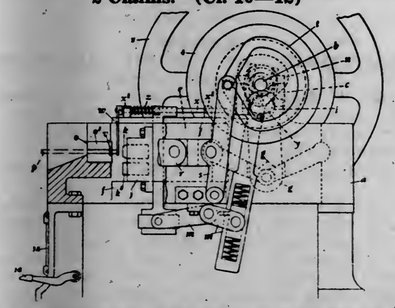
pressure in fluid communication with said consuming system, and means for maintaining a desired pressure in said reserve holding means.

2,362,969
EXPANSION NAIL OR THE LIKE
Rudolph G. Boelter, Chicago, Ill.
Application July 8, 1942, Serial No. 450,122
2 Claims. (Cl. 85—23)



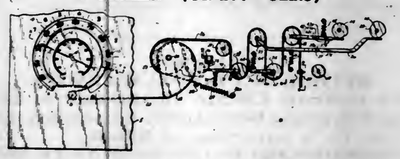
1. In a device of the character described, the combination of a plurality of elongated correspondingly extending fastening members relatively movable longitudinally and transversely thereof and having corresponding driving ends, and a plurality of sets of cooperating cam formations spaced longitudinally of said members and graduating in rise toward a minimum in the direction of said driving ends and of which the cam formations of each set are respectively on said members at the opposing faces thereof, said cam formations being alinably positionable longitudinally of said members in relative longitudinal positions thereof in which said driving ends are remote to provide a transversely contracted relation of said members and operative with relative longitudinal movement of said members from said relative positions toward relative positions in which said driving ends are less remote to transversely expand said members into tapered relation diminishing toward said driving ends from said transversely contracted relation.

2,362,970
COLD FORGING MACHINE
William Edmund Bolland, Nechells, Birmingham, England, assignor to L. H. Newton & Co., Ltd., Birmingham, England
Application December 20, 1943, Serial No. 515,073
In Great Britain March 5, 1943
2 Claims. (Cl. 10—12)



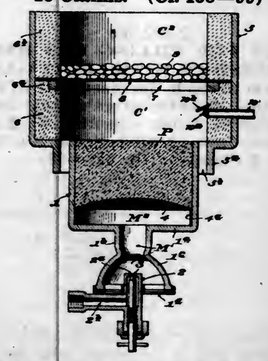
1. A multi-blow cold forging machine of the kind specified, having in combination a die to and from which work pieces previously cut to the required length can be fed and removed successively by hand, a slide carrying punches which are movable relatively to the die, a rotary member for actuating the slide, and a clutch for transmitting motion from a source to the said member, the clutch comprising a pair of coaxial parts, a spring loaded key for interconnecting the said parts, and means whereby the key can be moved against the action of its spring loading into an inoperative position both under the control of the attendant at the commencement of each work cycle, and automatically at the end of each work cycle.

2,362,971
VEHICULAR SPEED RESPONSIVE DEVICE
Lester L. Bosch, Cincinnati, Ohio
Application June 4, 1941, Serial No. 396,604
5 Claims. (Cl. 177—311.5)



3. In a vehicular speed responsive device having speed scale and indicator members moving relatively to each other to indicate normal actual speed of a vehicle equipped therewith, a flexible element composed of portions to produce cumulative results and associated with one of said device member, and a separate means operable on each of said portions and capable of establishing relatively different conditions of said element, each of said separate means being useable in recognizing a condition rendering reduced speed advisable and whereby a relationship of scale and indicator is established proportionate to the reduction in safety occasioned by conditions which have been recognized as evidenced by operation of each of said separate means.

2,362,972
GAS BURNER
Henry Lowe Brownback, Norristown, Pa.
Application December 26, 1939, Serial No. 310,995
15 Claims. (Cl. 158—99)

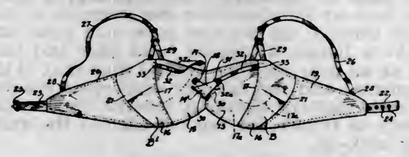


1. A gas burner having a mixing chamber at one end and having its opposite end open; means for introducing gas and air into said chamber; non-combustible porous packing in the open end of said burner through which the gas-air mixture diffuses; an insulated casing forming a primary combustion chamber into which the open end of the burner projects; means for admitting secondary air into the combustion chamber; said casing also forming a secondary combustion chamber adjacent said primary chamber; and a porous relatively thick layer of non-combustible material separating said primary and secondary combustion chambers and adapted to be heated to a high degree by the products of combustion.

2,362,973
NONCRYSTALLIZING ROSIN SIZE AND METHOD OF MAKING THE SAME
Jack T. Cassaday, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application January 22, 1942, Serial No. 427,701
6 Claims. (Cl. 106—238)

3. An aqueous liquid rosin size composition resistant to crystallization upon storage and containing an alkali metal soap of a rosin having dissolved therein 0.25 to 3% of its weight of sulfur.

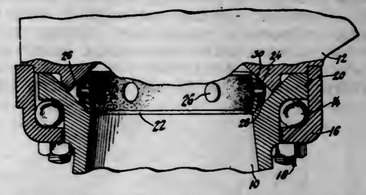
2,362,974
BRASSIÈRE
David I. Cohen, Los Angeles, Calif.
Application August 9, 1943, Serial No. 497,913
3 Claims. (Cl. 2—42)



1. In a brassière; a pair of bust pockets having openings adjacent their inner ends; a pair of members each secured at one end to the inner side of one pocket at the outer end thereof, extending freely across the lower portion of the inside of the pocket so as to embrace and support the breast at its lower and outer side to mold the breast upward and inwardly independently of said pocket, then through the respective bust pocket opening to the front side of the other bust pocket; a pair of adjustable straps each secured at one end to the free end of the respective member and to the top of said other bust pocket at the other end, body strips secured to the outer ends of said pockets and adapted to pass around the body of the wearer and connected on the back thereof, and shoulder straps attached to said pockets at the top thereof.

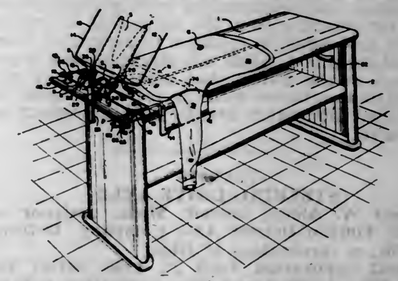
2,362,975
HYDRAULIC SEAL
Raymond L. Comb, Port Huron, Mich., assignor to Taine G. McDougal, Flint, Mich.
Application July 13, 1942, Serial No. 450,745
3 Claims. (Cl. 285—97.9)

1. In a structure of the class described, the combination of a pair of aligned relatively rotatable conduits having abutting bearing faces requiring sealing against the escape of fluid under pressure, said conduits being enlarged interiorly adjacent their abutting faces to provide an annular recess, a substantially flat rigid ring loosely engaging the walls of said recess and overlying portions of both said conduits, and a flexible gasket connected to said ring and extending axially beyond said ring at both its ends into sealing engagement with said conduits, said rigid ring preventing wedging contact between said



gasket and the walls of said recess, by ensuring fluid tight sealing contact between said gasket and said walls when said gasket is subjected to pressure of fluid passing through the conduits.

2,362,976
GARMENT FOLDING MACHINE
Harry G. Cooper, West Medford, Mass., assignor to The Prosperity Company, Inc., Syracuse, N. Y., a corporation of New York
Application March 3, 1942, Serial No. 433,223
11 Claims. (Cl. 223—37)

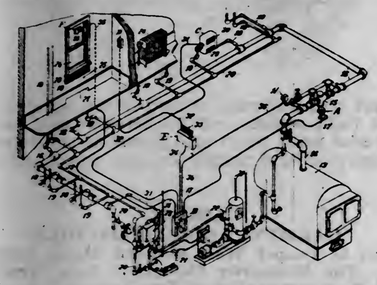


1. A garment folding machine including a table on which the garment is laid, a form pivotally mounted to shift into and out of a position flatwise over the table and the garment thereon, folding mechanism operable to fold portions of the garment relatively to the form and to other portions of the garment, power mechanism for operating the folding mechanism including means for permitting the operation of the form into a position flatwise over the table and the garment in advance of the folding of the garment about the form by the folding mechanism, an operator-operated control for effecting the operation of the power mechanism, and means operated by the movement of the form out of a position flatwise over the table to effect the unfolding of the folding mechanism and the return of the form to starting position.

2,362,977
RESISTANCE TYPE TEMPERATURE CONTROLLING AND INDICATING SYSTEM
David N. Crosthwait, Jr., Chicago, Ill., and Everett W. Werts, Michigan City, Ind., assignors to C. A. Dunham Company, Marshalltown, Iowa, a corporation of Iowa
Application October 24, 1938, Serial No. 236,824
41 Claims. (Cl. 236—91)

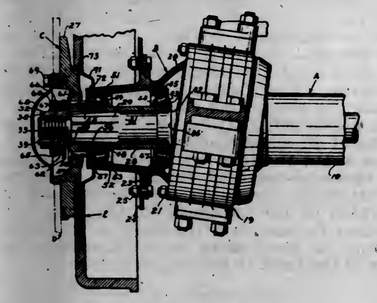
1. An automatic control apparatus which modulates the degree of opening of a steam flow control valve, comprising a resistance thermostat responsive to variations in the temperature of the air within the enclosure being heated, a re-

sistance thermostat responsive to a function of variations in the outside temperature, a resistance thermostat responsive to variations in the heat output of the heating system, a balanced bridge electrical system embodying said temperature responsive resistances, timing mechanism for alternatively connecting selected resistances in the system and functioning to move the valve in response to an unbalanced condi-



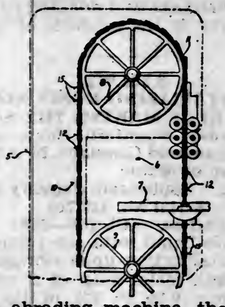
tion of the system so that the heat output will be restricted to a range between a predetermined maximum and minimum for each prevailing outside temperature, and the valve will be moved within said range in response to variations from a predetermined inside temperature, and a resistance in the system that is mechanically adjusted in accordance with the valve movement to rebalance the system, and stop the movement of the valve.

2,362,978
STEERING DRIVE AXLE
Herbert W. Alden, Detroit, Mich., assignor to The Timken-Detroit Axle Company, Detroit, Mich., a corporation of Ohio
Original application April 22, 1940, Serial No. 331,017. Divided and this application February 6, 1942, Serial No. 429,828
11 Claims. (Cl. 180—43)



1. In a drive axle, a housing; a shaft disposed in said housing and having a threaded outer end; a flanged member sleeved over said shaft and having tapered internal surfaces engaging correspondingly tapered surfaces on said shaft; a nut threaded on said shaft and maintaining said member and shaft in rigidly joined relationship; a pair of axially spaced anti-friction bearings journalling said member and shaft for rotation within said housing; means projecting through said flanged member for limiting axial movement of one of said bearings; and means threaded on the outside of said nut for controlling said last-named means.

2,362,979
ABRASIVE BAND
William T. Anderson, Des Plaines, Ill., assignor to Contour Saws, Incorporated, Des Plaines, Ill., a corporation of Illinois
Application January 8, 1944, Serial No. 517,505
6 Claims. (Cl. 51—188)



1. In an abrading machine, the combination of: an endless flexible carrier mounted to travel in a straight line through a working zone; a plurality of work performing segments mounted on said carrier, each of said segments comprising a bar-like supporting member secured flatwise to the carrier and a bar-like abrading element removably secured to and extending along one edge of the supporting member; a guide and back-up for supporting the segments as they move through the working zone, said guide and back-up having a tapered front edge and having an all-over width no greater than that of the segments; and the bar-like supporting member of each segment having a tapered longitudinal groove to receive the tapered edge of the guide and back-up.

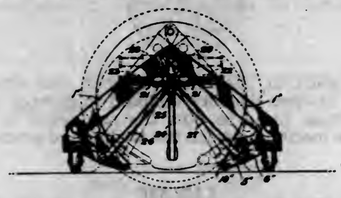
2,362,980
CARTOON CELL AND METHOD OF MAKING SAME
Joseph A. Ball, Burbank, Calif., assignor to Walt Disney Productions, Burbank, Calif., a corporation of California
Application September 2, 1941, Serial No. 409,261
15 Claims. (Cl. 41—21)



1. A cartoon cell which includes: a transparent sheet of cellulose acetate having a matte surface and a drawing on said surface; and a layer of ethyl cellulose over said matte surface filling the indentations thereof, said ethyl cellulose having mixed therein resin of a higher index of refraction in sufficient quantity to bring the index thereof substantially up to that of said acetate.

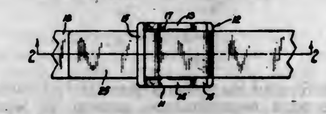
2,362,981
AIRPLANE LIFT DOLLY
Cleophas Philemon Baum, Westgate, Md.
Application June 1, 1943, Serial No. 489,267
6 Claims. (Cl. 214—65.4)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A lifting dolly composed of two opposed L members each having a horizontal shaft for one side of the L and arms inclined upwardly toward each other for the other side, the arms being hinged together at their upper ends, a bracket hinged on each of said shafts, said brackets being inclined downwardly toward each other and having swivelled castors near their ends, a shoe mounted on the lower end of each bracket adapted to slide under a wheel to be lifted, a link for



pivotally connecting the lower end of each bracket to a point near the top of the inclined arm of the opposite L member so that as these arms are drawn toward each other the brackets will approach each other without modifying their angular relation, and self-locking means for manually drawing said arms together or increasing the angle between them.

2,362,982
BUCKLE
Frank A. Best, Windsor, Ontario, Canada
Application July 29, 1942, Serial No. 496,533
2 Claims. (Cl. 24—77)



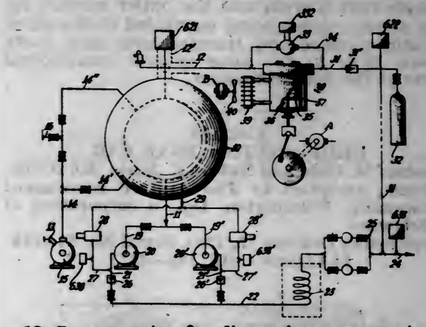
1. A buckle for attaching two strap ends, comprising a body member and a link member carried by said body member, said body member consisting of a generally rectangular frame having two side bars, two end bars, and a cross bar integrally connected, at its ends, to said side bars and disposed parallel to and between said end bars, one of said end bars having integral with the inner edge thereof a channelled tongue, said tongue having a free edge extending towards but spaced from said cross bar, said link member being of rectangular open frame form with two spaced cross bars, said link being movably dependent from said channelled tongue, and a cross bar of said link being confined within said channelled tongue.

2,362,983
CONDUIT CONNECTION FOR ENAMELED TANKS
Stephen T. Bodnar, Cleveland, and Walter S. Gaines, Chagrin Falls, Ohio, assignors to Porcelain Steels, Inc., Cleveland, Ohio, a corporation of Ohio
Application February 14, 1942, Serial No. 430,850
10 Claims. (Cl. 285—49)



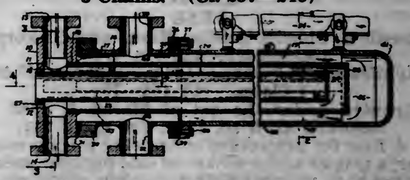
1. In a conduit connection for a vessel wall having an opening therein, a spud body provided with a tapered conduit thread and welded to the wall of the vessel on a portion thereof surrounding the opening, a projection integral with the wall and spud body projecting inwardly toward the axis of the opening and in spaced overlapping relation to a portion of the spud body, a corrosion-proof coat on the inner wall surface of the vessel, an insert molded to interlock with the projection and to seal the enamel coat with respect to the spud thread, and an opening in the insert having a tapered conduit thread constituting a continuation of the tapered spud thread.

2,362,984
METHOD AND APPARATUS FOR DISPENSING AND CONSERVING GAS MATERIAL
George John Boshkoff, Snyder, N. Y., assignor to The Linde Air Products Company, New York, N. Y.
Application September 5, 1941, Serial No. 409,626
12 Claims. (Cl. 62—1)



12. In apparatus for dispensing a gas material having a boiling point temperature at atmospheric pressure materially below 273° K., the combination comprising a heat insulated container adapted to receive and store a charge of liquefied gas, a gas compressor connected to withdraw gas phase from said container, a supply line connected to withdraw said material in the liquid phase from said container, a liquid heater and vaporizer in said line, a connection for said supply line for delivering the vaporized material to a place of use, a branch connecting the discharge from said compressor to said supply line, and automatic means for operating said compressor to withdraw gas phase when the pressure in said container has reached a predetermined high value and for stopping the same when said pressure has reached a predetermined low value.

2,362,985
HEAT EXCHANGER
John W. Brown, Jr., Lakewood, Ohio, assignor to Brown Fintube Company, Elyria, Ohio, a corporation of Ohio
Application December 24, 1941, Serial No. 424,241
3 Claims. (Cl. 257—246)



1. A heat exchanger comprising two concentric tubes with an annular space therebetween, an

inlet conduit and an outlet conduit connected to the interior of the inner of said tubes, an inlet conduit and an outlet conduit connected to the annular space between said tubes, all of said conduits being disposed adjacent one end of the heat exchanger, means closing the end of said annular space adjacent said end of the heat exchanger and both of said tubes being closed at the opposite end of said heat exchanger, baffle means within the inner of said tubes dividing it into two longitudinally extending passageways communicating with each other only adjacent the closed end thereof, the inlet conduit for the interior of said inner tube being connected to one of said passageways and the outlet conduit therefor being connected to the other, and baffle means within said annular space dividing said space into two longitudinally extending passageways communicating with each other only adjacent the closed ends of said tubes, the inlet conduit for said annular space being connected to one of said passageways therein and the outlet conduit for said annular space being connected to the other of said passageways therein, both said baffle means lying in the same general longitudinal plane of the heat exchanger.

2,362,986
DROP-BOTTOM MINE CAR
Thomas M. Cate and Robert E. Jones, Knoxville, Tenn., assignors to The Sanford Investment Company, Wilmington, Del., a corporation of Delaware
Application October 15, 1941, Serial No. 415,134
14 Claims. (Cl. 105—253)



1. In a drop bottom dumping vehicle, the combination of opposite side sills, a plurality of drop bottom doors between the sills, and means for hinging said doors about transverse axes, said hinging means including a hinge rod extending intermediate the side sills and fixed relative thereto, one of said doors having the major portion thereof formed of sheet material with a side of said sheet bearing against said hinge rod substantially throughout the width of said door for swinging movement relative thereto, means holding said door against bodily movement transversely of the hinge rod, said door having a latching loop extending substantially throughout the width of the door and turned back upon itself and attached to the hinge edge thereof and projecting laterally of said hinge rod on the opposite side of said rod from the door for supporting an edge of the adjacent door.

2,362,987
FUSE
Joseph H. Church, Austin, Minn., and Gregory J. Kessenich, Madison, Wis.
Application February 6, 1940, Serial No. 317,557
1 Claim. (Cl. 102—79)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

A fuse for projectiles comprising a body member, a primer and a striker in said member, means in the body member defining a path providing for relative motion between the striker and primer, and a V-shaped member having its arms positioned in the said path between the striker and primer to inhibit the said relative motion and having its three extremities in contact with the



inner walls of the body member, the arms of said V-shaped member adapted to diverge under centrifugal force to quit the said path of said relative motion between the striker and primer.

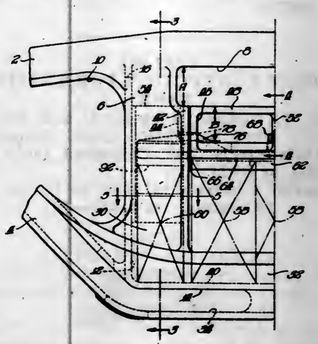
2,362,988
MORDANT TRIAZOLE DYESTUFFS AND PROCESS FOR MAKING THE SAME
Achille Conzetti, Basel, and Otto Schmid, Muttenz, near Basel, Switzerland, assignors to J. R. Geigy A. G., Basel, Switzerland, a Swiss corporation
No Drawing. Application October 20, 1941, Serial No. 415,822. In Switzerland November 26, 1940
7 Claims. (Cl. 260—308)

1. Process for the manufacture of mordant dyestuffs of the 2-aryl-1:3-arylentriazole series which comprises treating with an oxidizing agent an o-aminoazodyestuff containing sulfonic acid groups of the general formula

$$\begin{array}{l} X_1 \qquad X_2 \\ | \qquad\quad | \\ R_1\text{—}N\text{=}N\text{—}R_2 \\ | \\ NH_2 \end{array}$$

wherein R_1 and R_2 mean aromatic radicals of the benzene and naphthalene series, at least one being a naphthalene radical, X_1 and X_2 being members of the group consisting of OH, COOH, halogen and alkoxy groups each situated in one of the positions ortho and peri to the azo group, and at least one of X_1 and X_2 being an OH group in ortho-position to the azo group.

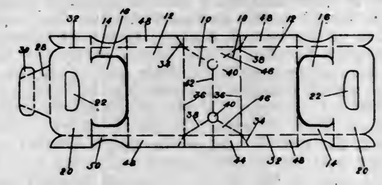
2,362,989
CAR TRUCK
Robert B. Cottrell, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application December 13, 1941, Serial No. 422,804
31 Claims. (Cl. 105—197)



18. In a railway car truck, a side frame having top and bottom members and spaced columns defining a central bolster opening and a spaced

window opening, each of said columns having inboard and outboard walls and a transverse web extending vertically between said members, a one-level spring seat on said tension member, springs thereon, a bolster supported on certain of said springs in guiding engagement with spaced surfaces on each of said columns, and a member interlocked with said bolster and having rectangular end portions guidably received within said columns and operative to actuate friction devices supported therein upon other of said springs, each of said devices comprising opposed shoes each in frictional engagement with said web and one of said walls.

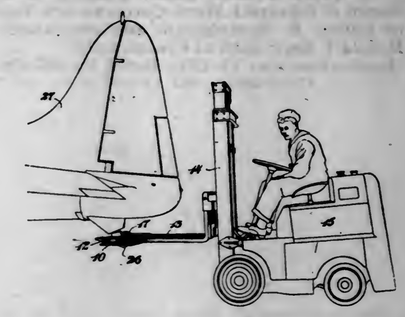
2,362,990
BOTTLE HOLDER
Walton B. Crane, Los Angeles, Calif.; assignor to Morris Paper Mills, Chicago, Ill., a corporation of Illinois
Application August 24, 1940, Serial No. 354,095
7 Claims. (Cl. 224—45)



1. A bottle carrier comprising a sheet of paper board shaped and creased to provide a bottom on which bottles may stand and side walls flexibly connected to opposite side margins of the bottom so as to be swung to angular positions relative to the bottom and lateral flanges extending along side margins of the side walls and end margins of the bottom and flexible inwardly relative to adjacent portions of the side walls and bottom, the bottom having a bottom fold crease between and parallel with its side margins to permit it to be folded upon itself when the side walls are swung together and having openings cut through it across said bottom fold crease, the bottom having oblique fold creases extending from the respective openings to the adjacent outer corners of the bottom, whereby end portions of the bottom and the flange portions conjoined to them may be folded inwardly bellows fashion along the oblique fold creases to collapsed condition between other portions of the bottom and side walls when the sheet is folded upon itself along said bottom fold crease, and means for connecting the upper end portions of the side walls to each other face to face.

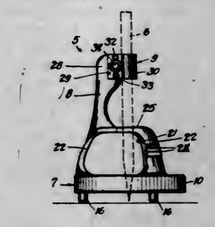
2,362,991
TAIL WHEEL LIFTING ADAPTER FOR FORK TYPE TAIL WHEELS
Raymond Earl Dahl, United States Navy
Application September 29, 1943, Serial No. 504,249
6 Claims. (Cl. 214—65)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A lifting device for airplane tail wheels comprising a support, means on said support for removable engagement with the elevating arm of a carloader, a cage on said support for movement by said carloader into engagement with the tail wheel of an airplane and engaging side, back, and top portions of the wheel for preventing upward, rearward and lateral movement of said tail wheel relative thereto, and means on said support for movement into position forward



of said tail wheel for preventing forward and downward movement of said tail wheel relative to said cage.

2,362,992
DRAFTING DEVICE
William G. Dentzler, Jr., Chicago, Ill.
Application February 4, 1944, Serial No. 521,048
11 Claims. (Cl. 120—107)

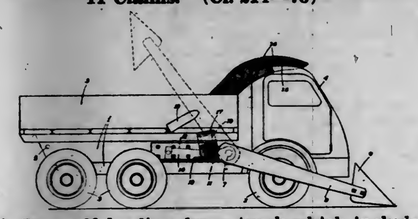


1. A drafting device for holding a pen or the like comprising a tubular base member, an arm upwardly extending therefrom, an extension on said arm which projects laterally therefrom, and means on said extension for removably securing such pen therefo in perpendicularly downwardly directed position centrally of said base member.

2,362,993
PROCESS FOR THE SEPARATION OF THE HORMONE AND HORMONELIKE COMPONENTS OF THE PITUITARY GLAND
Gerhard A. Fleischer and Erwin Schwenk, Montclair, N. J., assignors to Schering Corporation, Bloomfield, N. J., a corporation of New Jersey
No Drawing. Application November 6, 1940, Serial No. 364,542
11 Claims. (Cl. 167—74)

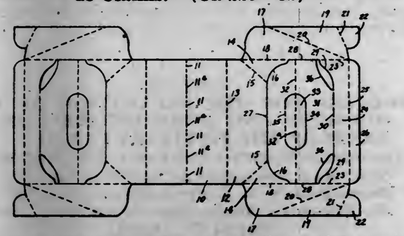
1. Process for the separation of the lactogenic and corticotropic hormones from pituitary gland material, which comprises treating such material in an aqueous acid medium with a water-immiscible liquid capable of forming a gel with the protein-like substances of high molecular weight, extracting the gel with a mixture of water and a water-miscible organic liquid under alkaline conditions, increasing the concentration of organic solvent and reducing the pH to a value below 7 to cause precipitation of the lactogenic and corticotropic hormones, and subsequently separating such hormones.

2,362,994
SELF-LOADING DUMP TRUCK
Roy H. Frost, Fresno, Calif., assignor of one-fourth to Edward J. Harp, Corcoran, one-fourth to Luther F. Thornburgh, and one-fourth to Harold I. Berg, both of Fresno, Calif.
Application May 17, 1943, Serial No. 487,296
11 Claims. (Cl. 214—78)



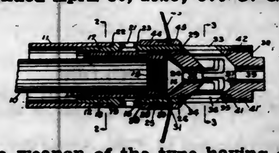
1. In a self-loading dump truck which includes a dump body mounted on the truck frame, and a swinging scoop assembly operative to load the scoop ahead of the truck and to swing the scoop upwardly and rearwardly to dumping position above the body, said assembly including a cross shaft having a crank therein, and a longitudinally extending main power cylinder pivotally supported from the frame and connected with the crank pin of said crank, the crank and main power cylinder being slightly short of but adjacent dead center when in starting position with the scoop in loading position; a booster arrangement comprising a booster power cylinder mounted in position adjacent the crank and having a piston rod projecting toward but separate from the crank, said main and booster cylinders being retracted and the piston rod of the booster cylinder being disposed to engage one cheek of the crank in turning relation thereto when the crank is in said starting position, and means to simultaneously supply fluid under pressure to the outer end of said power cylinders.

2,362,995
ONE-PIECE, HANDLED BOTTLE CARRIER
Clyde L. Gilbert, Elkhart, Ind., assignor to Morris Paper Mills, Chicago, Ill., a corporation of Illinois
Application March 6, 1942, Serial No. 433,561
15 Claims. (Cl. 229—52)



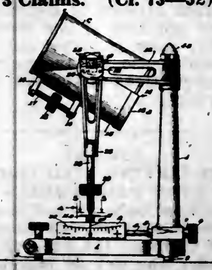
1. A carrier for bottles and similar articles comprising a receptacle formed of sheet material cut and folded to provide a bottom with side panels conjoined to its lateral margins at their lower ends and extending upwardly therefrom with their upper portions in anticlinal relationship, said side panels being slitted to provide bottle receiving apertures spaced from their upper and lower extremities and to form handle tabs of portions of the sheet material within said apertures, said handle tabs being folded along the upper margins of said bottle receiving apertures to positions where portions of said tabs project upwardly beyond the upper ends of the side panels and being secured above their fold lines to form a two-ply handle having portions engageable above the upper extremities of the side panels to support the receptacle pendulously.

2,362,996
RECOIL CHECK AND BARREL ACCELERATOR FOR AUTOMATIC WEAPONS
Samuel G. Green, Gray, Ga.
Application November 2, 1939, Serial No. 302,553
9 Claims. (Cl. 89—14)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a weapon of the type having a recoiling barrel disposed in a spaced surrounding barrel jacket in combination, a tubular member secured to the barrel jacket and surrounding the muzzle portion of the barrel, a guide sleeve surrounding the muzzle portion of the barrel in spaced relation and secured to the muzzle end of the barrel in gas sealed relation, a guide bearing carried by the tubular member for the guide sleeve, a heat resistant ring in said tubular member encompassing the muzzle end of the guide sleeve in the battery position of the barrel, said ring and the muzzle end of the sleeve being so related as to provide a clearance therebetween substantially greater than the working clearance between the guide bearing and guide sleeve, gas exhaust ports formed in the tubular member between said guide bearing and ring, communicating with the ring clearance, and a perforated conical cup in said tubular member with its perforation aligned with the bore of the barrel engaging the ring and forming a gas compression chamber in cooperation with the ring and muzzle end of the barrel and guide sleeve.

2,362,997
METHOD FOR TESTING FILLED CONTAINERS
Harry L. Griffin, Rockville Centre, N. Y., assignor to Nestle's Milk Products, Inc., New York, N. Y., a corporation of New York
Application May 9, 1940, Serial No. 334,104
3 Claims. (Cl. 73—52)



1. A method of testing the weight of a shiftable filling which is located in a container which is selected from a commercially similar series of such containers, which consists in filling a selected container of such series with a predetermined mass of such filling, mounting said selected filled container so that it can turn around a predetermined axis, applying to said filled container a balancing moment which balances the moment of said filled container when it contains said predetermined mass of filling, then locating another filled container of said series in the same position as said selected filled container, applying to said other filled container the same aforesaid balancing moment, and determining the relation between the moment of said other filled container and said balancing moment, said axis of rotation being located in a vertical plane which intersects the wall of the respective container in all positions thereof while said container is so mounted, the maximum horizontal distance between the centre of gravity of the respective container and said predetermined axis, when the respective container is so mounted, being sufficiently small so that variations in the respective weights of the respective containers are negligible, and the differences between the respective moments of respective containers which are so mounted, are due substantially to differences in the masses of the respective fillings of the respective containers, each said filled container having its axis inclined to the horizontal and vertical planes when it is in stable equilibrium.

2,362,998
RAZOR
Russell P. Harshberger, Altadena, Calif.
Application April 26, 1943, Serial No. 484,525
11 Claims. (Cl. 30—44)



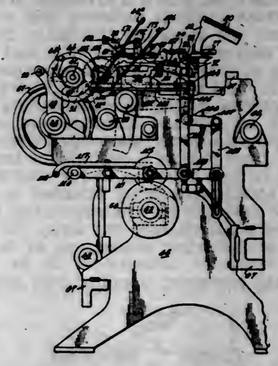
1. In a power driven razor the combination of an elongated casing having blade supporting means at one end thereof, and means for reciprocating said blade including power driving means and gears driven thereby disposed at the other end of said casing to concentrate the weight thereof in the portion of the casing held by the user and space such weight in the half of the casing remote from the blade end of the device, means at the blade end of the casing arranged when driven to impart a gyratory motion thereto, connecting means between said gears and the gyratory motion imparting means for driving the latter, and mean for translating said gyratory motion to reciprocatory motion.

2,362,999
SCREWHEAD
Elmer Spencer Hewitt, Wilmette, Ill.
Application June 28, 1943, Serial No. 492,509
7 Claims. (Cl. 85—45)



1. A screw having a head end wherein is an axial socket bounded by an endless wall extending circularly through more than 180° and elsewhere non-circularly to define a lateral recess disposed eccentrically of the screw head.

2,363,000
FORMING OF WELTS IN STRAIGHT KNITTING MACHINES
Alfred Hofmann, Palisade, and Friedrich Max Wachtler, West New York, N. J., assignors to Alfred Hofmann, Inc., West New York, N. J., a corporation of New Jersey
Application February 23, 1939, Serial No. 257,772
67 Claims. (Cl. 66—96)



1. For forming welts in a flat knitting machine each knitting section of which has its needle bank and cooperating instruments, the combination therewith of a weltbar having a bank of welt hooks, carriages on which the weltbar is mounted to receive tilting movements or oscillation in reverse directions, carriers or rock-levers on which the carriages are mounted to receive advancing and retracting movements, said carriers being mounted to receive lifting and lowering movements, and an adjusting or cam means in each knitting section operable to side-step the weltbar during an earlier or loop-receiving stage of welt formation for adjusting the welt hooks into exact midspace positions between the needle planes, and to side-step reversely the weltbar during a later or loop-delivering stage for adjusting the welt hooks exactly into the planes of the needles.

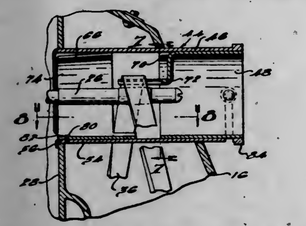
2,363,001
NONVOLATILE HYDROCARBON PRODUCTS
Everett C. Hughes, Cleveland Heights, Ohio, assignor to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application November 11, 1943, Serial No. 509,899
6 Claims. (Cl. 252—49)

1. A normally non-volatile hydrocarbon product containing P_4S_3 in effective amount up to 2 per cent to stabilize against oxidation, and including also 0.25 per cent of an amino diphenyl methane derivative.

2,363,002
VACUUM CLEANER CONSTRUCTION
George D. Jaquith and Keith N. Elliott, Minneapolis, Minn., assignors to Eureka Vacuum Cleaner Company, Detroit, Mich., a corporation of Michigan
Application September 17, 1940, Serial No. 357,148
29 Claims. (Cl. 15—9)

16. A converter attachment for operatively connecting suction cleaning tools with a suction cleaner having driving means, suction creating means driven thereby, an air intake port com-

municating with said suction creating means, a nozzle having a substantially unobstructed air flow communication with said suction creating means through said port and a normally closed converter opening, a shaft driven by said driving means and extending through said port in spaced relationship with the edges thereof into said nozzle, a surface cleaning member associated with said nozzle and a belt forming at least part of a driving connection which is arranged in said nozzle and which extends between said shaft and said member for actuating the latter during operation of said driving means, both said belt and shaft being arranged in spaced relationship with the walls of said nozzle: said converter attachment comprising a hollow air conducting member adapted to be inserted through said converter opening into said nozzle



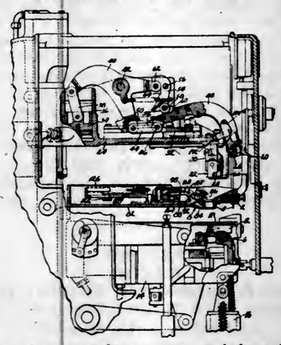
and seated therein and have said driving connection extending through said cutaway part of said attachment, and a shiftable member carried by said attachment and movable relative thereto to a position to close that portion of the cutaway part of the walls of said attachment not occupied by said driving connection so as to shut off said communication between said port and nozzle.

19. For a suction cleaner comprising a fan case having a centrally arranged inlet opening, a fan shaft having a fan rotatably mounted in said fan case, a suction nozzle having a floor engaging mouth operatively connected with the inlet opening of said fan case and having an opening providing for access to said inlet opening, an agitator mounted in the floor engaging mouth of said nozzle, a belt connecting the fan shaft with said agitator for driving the same during operation of said fan a removable converter coupling for attaching utility tools to said cleaner comprising a hollow air conducting member extended through the nozzle opening and adapted to traverse the path of said belt and have one end thereof seated within said inlet opening and including rotatable belt shifting means for lifting the belt free from the fan shaft.

2,363,003
ALKYLATION AND ARALKYLATION OF ORGANIC COMPOUNDS
David M. Jones, Richmond Heights, Mo., assignor to Mallinckrodt Chemical Works, St. Louis, Mo., a corporation of Missouri
No Drawing. Application March 11, 1941, Serial No. 382,788
9 Claims. (Cl. 260—485)

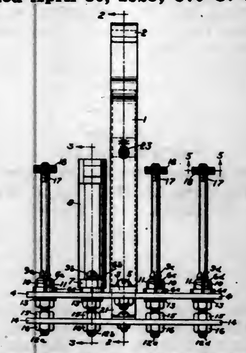
1. The method of alkylating a metallo derivative of a mono-substituted malonic ester selected from the group consisting of alkali metal, alkaline earth metal and aluminum derivatives which comprises reacting the derivative with a dialkyl carbonate.

2,363,004
SHOE MACHINE
Bernhardt Jorgensen, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application January 25, 1943, Serial No. 473,475
24 Claims. (Cl. 12—14)



1. In a shoe machine, upper-trimming means movable along a plane generally parallel to the bottom of the toe end of a last to trim from the toe end of a multi-ply upper on the last the margin of one or more inner layers of the upper materials while leaving a margin of the outer layer to be lasted inwardly over an insole on the last, a portion of said trimming means being arranged to cut the materials on a line generally parallel to the edge of the last bottom and another portion thereof having cutting edges arranged to extend transversely of the edge of the last bottom and to act only on said inner layer or layers to sever from the body of the materials the ends of the strip produced by said first-named portion.

2,363,005
PLATING FIXTURE FOR GAS CYLINDERS OF RIFLES
George Kalista, Springfield, Mass.
Application July 1, 1942, Serial No. 449,374
2 Claims. (Cl. 204—297)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



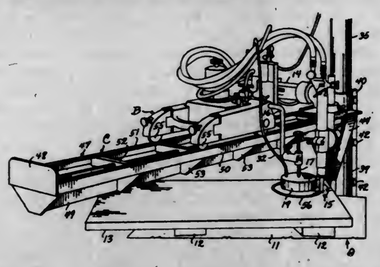
1. A fixture for plating the interior surface of a hollow cylinder having a radially depending bracket, said fixture comprising a metallic plate connected to the negative terminal of the electroplating current, a rod-like anode having one end secured to said plate but insulated therefrom, a spacer on the other end of the anode engaging the interior surface of the cylinder said spacer being formed of insulating material and having apertures therethrough to permit the flow of electrolyte through said cylinder, a stud mounted on said plate in fixed relation to said anode, said stud being conductively connected to said plate and means on said stud adapted to conductively engage said bracket to hold said cylinder on said stud and in concentric relation with respect to said anode.

2,363,006
NUT AND BOLT SOCKET FASTENING
Frank A. Klaus, Jr., Los Angeles, Calif.
Application June 17, 1942, Serial No. 447,370
6 Claims. (Cl. 151—44)



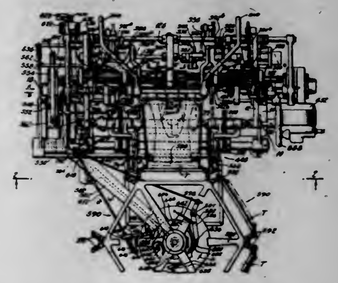
1. A fastener for a nut or bolt head, including a socket-member in the form of a plate of substantially uniform thickness, said plate having its middle portion offset away from the plane of the plate, with a socket opening therein fitting to the periphery of the nut or bolt head; and means associated with the socket-member for engaging the outer end portion of the nut or bolt head to retain the same in the socket opening.

2,363,007
EQUIPMENT FOR CUTTING CIRCLES IN METAL SHEETS OR PLATES
William H. Kohlhafer, Cabin John, Md., and Frank J. Olenik, Alexandria, Va.
Application October 19, 1943, Serial No. 506,806
3 Claims. (Cl. 266—23)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



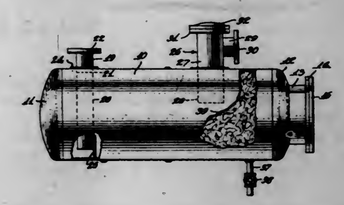
1. In equipment for cutting circles in metallic sheets or plates, a turntable for supporting a sheet or plate for rotation in a given plane, an arm, means supporting the arm for swinging movement in a plane parallel to said given plane, a cutting torch, a carriage for the torch supported for reciprocatory movement along the arm, and a radius rod fixed relative to the carriage, said radius rod being provided with means for pivotal connection to the sheet or plate at any selected center point for maintaining the torch at a predetermined radial distance from said selected center point on the sheet or plate as the sheet or plate rotates with the turntable.

2,363,008
ART OF KNITTING FABRIC ONTO PREFABRICATED FABRIC BLANKS
Fritz Lambach, Tenafly, N. J., assignor to Robert Reiner, Incorporated, Weehawken, N. J.
Application October 4, 1939, Serial No. 297,829
In Germany March 6, 1939
65 Claims. (Cl. 66—82)



1. In a flat knitting machine: a mechanism operatively associated with the machine to feed prefabricated fabric blanks thereto, and means establishing a driving connection between said mechanism and machine to actuate the former through, and in timed relation with, the latter.

2,363,009
WATER SEPARATOR
Warner Lewis, Tulsa, Okla.
Application September 18, 1942, Serial No. 458,849
2 Claims. (Cl. 210—131)

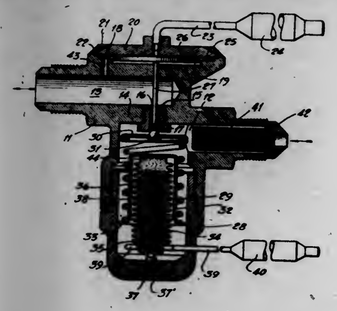


1. A water separator adapted to be inserted in a gasoline pipe line comprising a closed horizontal tank having an inlet and an outlet adjacent opposite ends of the tank, said inlet pipe terminating adjacent the bottom of the tank, a filtering medium in said tank consisting of poplar excelsior, said filtering medium being of uniform density throughout the cross-section of the tank and occupying a sufficient longitudinal portion of the tank to effectively remove the water from the gasoline, and means adjacent the lower end of the inlet pipe to deflect the gasoline away from the outlet opening whereby to increase the path of the flow of the gasoline through the filtering medium.

2,363,010
REFRIGERANT CONTROL SYSTEM
Harold J. Matteson, Glendale, Calif., assignor to General Controls Co., Glendale, Calif., a corporation of California
Application April 29, 1941, Serial No. 390,914
4 Claims. (Cl. 62—127)

1. In a system for cooling a space by vaporization of liquid refrigerant in an evaporator: a valve

controlling passage of the refrigerant into the evaporator; a spring biasing said valve toward closed position; thermostatic means effective to open the valve, against the force of said spring, in accordance with the temperature of the refrigerant adjacent the outlet of the evaporator, and



acting to increase the valve opening with increase of temperature; and means, responsive to the temperature of the refrigerant adjacent an end of the evaporator, for varying the force of said spring in accordance with the temperature of the refrigerant, the spring force being increased with increase of temperature.

2,363,011

CATALYTIC DEMURIATION

John C. Michalek and Edwin R. Erickson, Niagara Falls, N. Y., assignors to The Mathieson Alkali Works, Inc., New York, N. Y., a corporation of Virginia

No Drawing. Application September 3, 1942, Serial No. 457,194

14 Claims. (Cl. 260—650)

1. In the demuriation of halogen-bearing organic compounds, the improvement which comprises conducting the demuriation in the presence of a catalyst comprising an intimate mixture of a phosphate of alkaline earth metal with the phosphate of a metal of variable valence of Series 4 of the periodic table.

12. A demuriation catalyst which comprises an intimate mixture of a phosphate of an alkaline earth metal with a phosphate of a metal of variable valence selected from the group consisting of cobalt, chromium and manganese.

2,363,012

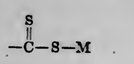
COMPOUNDED MINERAL OIL

Robert J. Miller and John T. Rutherford, Berkeley, Calif., assignors to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware

No Drawing. Application May 6, 1942, Serial No. 441,964

19 Claims. (Cl. 252—37)

1. A composition of matter comprising a viscous mineral oil and a small amount, sufficient to stabilize the oil against oxidation of a nitrogen base derivative in which the nitrogen forms part of a ring and is attached to the group



wherein M is the hydrogen equivalent of a polyvalent metal.

2,363,013

STABLE LUBRICATING COMPOSITION

Arnold J. Morway, Clark Township, Union County, and John C. Zimmer, Union, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application December 30, 1941, Serial No. 424,926

13 Claims. (Cl. 252—36)

13. In a grease composition comprising a mineral lubricating oil, grease producing amounts of metal soap and a slight excess of free higher molecular weight fatty acid, the improvement which consists in incorporating in the grease a small amount, sufficient to inhibit deterioration of the grease, of an oxidation inhibitor consisting of a mixture of from .1–1% of an oil-soluble organic amine selected from the group consisting of phenyl a-naphthylamine, phenyl b-naphthylamine and di-phenylamine, and .4–1.5% of a zinc soap.

2,363,014

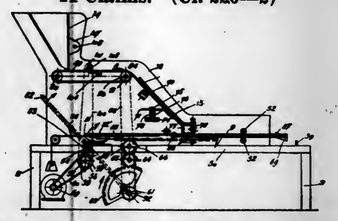
PACKING MACHINE

Charles Alexandre Nicolle, Montrouge, France; vested in the Alien Property Custodian

Application April 17, 1939, Serial No. 268,442

In France April 20, 1938

11 Claims. (Cl. 226—2)



1. For use in a machine for the continuous mass packing of identical articles such as tablets, pills, or the like, into cellulosic or other plastic wrappers in the form of sheets, plates, or bands, which comprises means for mechanically filling said wrappers with said articles, and means for closing and sealing said wrappers after they are filled, said last named means including a mold block containing a plurality of moulds arranged in a definite pattern; a filling device comprising two superimposed reciprocally sliding plates each provided with openings for receiving said articles, conveying means for feeding the articles onto said plates, means for moving said plates step by step beneath said conveying means to successively fill the openings therein, means for guiding said plates in movement to and from positions beneath said conveying means, the openings in the two superimposed plates being out of registry during the movement of the plates, whereby the articles are retained within the openings of the upper plate by solid portions of the lower plate, and means for bringing the openings of the two plates into registry when the latter are moved to their discharging position.

2,263,015

TRACK BLOCK

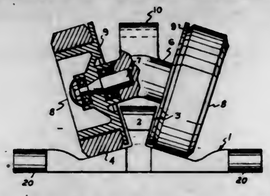
Emil F. Norelius, Springfield, Ill.

Application October 14, 1943, Serial No. 506,192

9 Claims. (Cl. 305—10)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In combination, a series of track blocks, a guide on each block and having a pair of lateral surfaces converging towards the block, a bogie frame, a pair of wheels journaled in said frame on axes diverging towards the engaged block, each



wheel having a flat surface lying close to one of said lateral surfaces, said flat surfaces having a minimum spacing less than the maximum spacing of said lateral surfaces in a given plane.

2,363,016

TREATING SOYBEAN OIL

Paul Oertling, Cleveland, Ohio, assignor to The Glidden Company, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application March 12, 1942, Serial No. 434,345

8 Claims. (Cl. 260—404.8)

1. The process which comprises heating soybean oil with up to about 20% of uncombined polyhydric alcohol containing 3 or more hydroxyl groups in the presence of a small amount of a mixture of zinc oxide and lead sulfate.

7. The process which comprises heating a major amount of soybean oil with a minor amount of maleic anhydride until the oil is clear, then adding a minor amount of polyhydric alcohol containing 3 or more carboxyl groups in excess of that necessary to neutralize the maleic anhydride, said excess, however, not exceeding about 20% by weight of the oil, and continuing the heating in the presence of a small amount of leaded zinc.

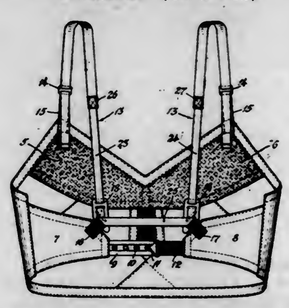
2,363,017

SHOULDER STRAP CONSTRUCTION

Henry M. Plehn, Brooklyn, N. Y.

Application July 25, 1942, Serial No. 452,287

6 Claims. (Cl. 2—42)



6. A brassière comprising a pair of bust-supporting pockets, a pair of back sections forming part of the garment and adapted to be detachably secured together, a single shoulder strap tape having its end portions secured to said pockets, and a pair of horizontally spaced guide elements for said tape secured to said back sections, said guide elements being made of relatively rigid material and being smooth-surfaced to create a minimum of friction, each element having slots angularly disposed to each other through which the tape is threaded, the tape passing over the left shoulder to the left guide element, then to the right guide element and then over the right shoulder, whereby tape is readily taken in between one shoulder and its corresponding guide element and simultaneously paid out between the other shoulder and its corresponding guide element as the relative position of the shoulders changes, so that the bust pockets remain in snugly bust-supporting positions during various movements of the shoulders, the guide elements for the tape causing a change in the direction of movement of the tape of slightly more than 90°.

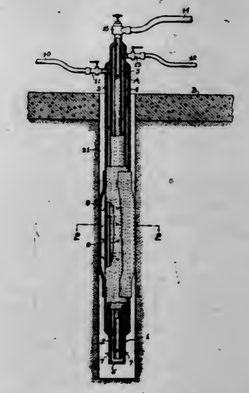
2,363,018

METHOD FOR TREATMENT OF HIGHWAY GRADE AND SUBGRADE MATERIALS

John W. Poulter, Milwaukee, Wis., assignor to Koehring Company, Milwaukee, Wis., a corporation

Application February 17, 1941, Serial No. 379,365

9 Claims. (Cl. 61—36)



1. The method of reducing the capillary capacity of a pavement subgrade soil mass, which includes the treatment of such mass to stabilize the same against displacement by initially displacing therefrom water contained in said mass, and thereafter impregnating the mass with a mixture of loam, binder, bituminous material, and water.

2,363,019

ARTIFICIAL FIBERS

Max-Otto Schürmann, Dormagen, and Johann Detlev Holtz, Cologne-Thelhoven, Germany; vested in the Alien Property Custodian

No Drawing. Application April 11, 1939, Serial No. 267,340. In Germany April 14, 1938

1 Claim. (Cl. 19—1)

A process for the manufacture of horse hair substitute from artificial fibers of regenerated cellulose which comprises incorporating in the fibers resin-starting materials ranging between 10% to 20% of the fiber weight to form a urea-formaldehyde resin, forming the fibers into a rope, strongly twisting the rope, hardening the resin while the rope is in the strongly twisted state and cutting the rope of fibers into bundles of the desired staple length, whereby a definite curl is imparted to each staple fiber, and then opening said bundles to separate the curled staples.

2,363,020
METHOD FOR CHEMICAL DEMINERALIZATION OF SEA WATER
Clair Raymond Spealman, United States Navy
No Drawing. Application June 8, 1943, Serial No. 490,053
6 Claims. (Cl. 210—23)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

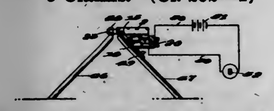
1. A two-step method of converting sea water into drinking water consisting in first agitating a quantity of sea water with a quantity of silver oxide and then, after filtering the agitated water, adding a quantity of uric acid thereto and after agitating it again, filtering it, thereby providing drinking water, the proportions of the chemicals to a liter of sea water being approximately 55.6 gms. of silver oxide, the amount of uric acid being approximately 63.9 gms.

2,363,021
MAGNET RELEASE FOR GATE DOORS AND FOR OTHER PURPOSES
Bryant Steele, Lexington, Ky., assignor to David E. White, Cleveland, Ohio
Application July 12, 1940, Serial No. 345,219
7 Claims. (Cl. 175—337)



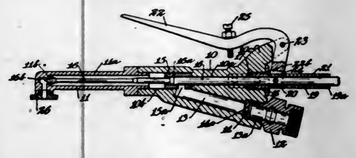
1. In combination, a permanent magnet, a primary armature therefor normally held by the flux of the permanent magnet in substantial contact therewith, shunting means for shunting magnetic flux away from said primary armature including a secondary armature adapted for movement toward and away from said magnet, spring means for urging said secondary armature towards said magnet, latch means for retaining said secondary armature out of contact with said magnet to prevent movement of said armature by said spring means, and electro-magnetic means for operating said latch means to thereby release said secondary armature when said electro-magnetic means is energized.

2,363,022
MAGNET RELEASE FOR STARTING GATES
Bryant Steele, Keenland, Ky., assignor to David E. White, Cleveland, Ohio
Original application July 12, 1940, Serial No. 345,219. Divided and this application July 15, 1942, Serial No. 450,995
9 Claims. (Cl. 292—1)



1. The combination with a pair of cooperating door members of a permanent magnet mounted in substantially fixed relation to one of the members and a primary armature mounted in substantially fixed relation to the other member for engagement with the permanent magnet when the members are in closed relation, a secondary armature mounted adjacent to the permanent magnet and movable between an inoperative position spaced from the permanent magnet and an operative position shunting the magnetic flux of the permanent magnet, and electro-magnetic means for controlling movement of the secondary armature.

2,363,023
FLOW GUN
John S. Stewart, Port Washington, N. Y., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware
Application September 12, 1941, Serial No. 410,564
7 Claims. (Cl. 18—3.5)



2. A gun adapted for dispensing viscous glazing cements under high pressure and with substantial freedom from surging comprising a barrel, a nozzle at the muzzle of the barrel having an outlet port, the tip of said nozzle being formed into a beading spoon with a substantially square plane troweling surface substantially parallel to the gun's longitudinal axis, one diagonal of said square being substantially parallel to the gun's longitudinal axis so as to form a "diamond-shaped" tip with one point of the diamond leading, a breech mechanism having a port for admitting said material into the barrel, a nozzle valve adapted to open and to close the said outlet port and a sliding breech valve in the form of a cylinder which fills the gun bore and is coaxial therewith and stops the breech port by lying across it and whose end is tapered so that withdrawal of the cylinder from across the breech port will gradually open the port, a single valve stem on which the valves are located in fixed spaced relationship, the said stem being coaxial with the said valves and with the said barrel and slidably supported at a point to the rear of the valves and to the rear of said breech port, the said valves being shaped and positioned so that in initiating a dispensing operation movement of the valve stem will open the nozzle valve first and the breech valve second with the latter being opened more slowly than the former, and in terminating a dispensing operation movement of the stem will gradually close the breech valve first and thereafter close the nozzle valve, the said ports being sufficiently spaced apart and the said barrel being of sufficient size to form a chamber between said ports to hold a quantity of the said material sufficient to act as a shock absorbing column to assist in preventing surging at the nozzle upon opening the valves, an inlet port through which the material is conducted to the said breech port, said inlet port being adapted to receive a removable choke member having a flow orifice, and a trigger mechanism for manual control of the valve stem.

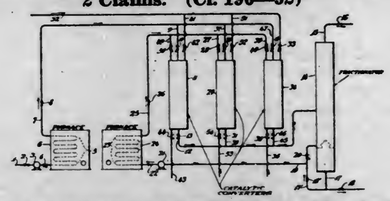
2,363,024
EXPLOSIVE PROJECTILE
Wilfred E. Thibodeau, Cleveland, Ohio
Application February 6, 1941, Serial No. 377,600
1 Claim. (Cl. 102—56)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

In a hollow projectile, a radially inward constriction of the inner walls thereof defining an axial throat relatively narrow with respect to the hollow portion, said constriction separating the inner portion of the projectile into a large rear chamber and a small forward chamber, a metallic sphere slidably fitted in said throat in contact with the sides thereof, a main explosive charge in said rear chamber spaced from said sphere, and a detonating charge completely filling



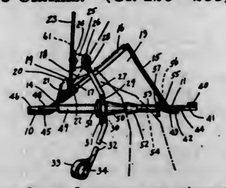
the available space in said forward chamber, and filling the space between said main charge and said sphere.

2,363,025
CATALYTIC CONVERSION OF HYDROCARBONS
Charles L. Thomas, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application September 13, 1941, Serial No. 410,760
2 Claims. (Cl. 196—52)



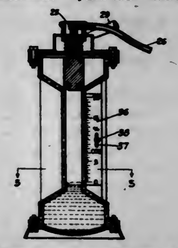
1. The process of catalytically cracking hydrocarbon oils which comprises effecting the cracking of recycle oil in the presence of freshly regenerated catalyst, employing said catalyst to promote the cracking of said recycle oil until its activity is reduced by the deposition of deleterious heavy conversion products on the catalyst, and thereafter employing the partially spent catalyst to promote the cracking of a virgin oil at a temperature higher than that employed for cracking said recycle oil.

2,363,026
FIREPLACE DAMPER
Kenneth F. Triggs, Huntington, Ind., assignor to The Majestic Company, Huntington, Ind., a corporation
Application March 27, 1941, Serial No. 385,445
3 Claims. (Cl. 126—288)



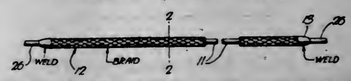
1. In a fireplace damper construction having a channeled damper throat forming body portion and a damper, said body portion pivotally supporting the damper for the control of the channel through the body portion, the combination of an axially extensible structure extending completely across the channel and comparatively stationarily mounted at the opposite ends upon the channel throat forming body portion and solely by the latter, a member selectively positionable upon the structure and retained thereby for damper control and having one end connected to said damper for control thereof and the other end free and extending downwardly below the body portion for manual actuation of said member and damper from the fireplace opening, the extensible structure and member having portions permitting displacement therebetween longitudinally of the structure and preventing material lateral displacement therebetween, inwardly directed flange means at opposite sides of the opening at the upper end of the channel in the body portion and constituting stops for limiting damper closing movement, an apertured means projecting upwardly at the side of the opening, the damper being of substantially plate type and recessed at a side edge adjacent the projecting means for clearing the latter when closed, the portion below the recess forming a pintle seatable in the projecting means aperture for damper pivoting.

2,363,027
GAS ANALYZER
Louis L. Vayda and Joseph A. Stein, Pittsburgh, Pa.
Application November 6, 1939, Serial No. 302,971
8 Claims. (Cl. 23—254)



1. A gas analyzer comprising a gas chamber, an absorbent reservoir, a vertically disposed transparent tube communicating at its lower end with said absorbent reservoir and at the upper end with said gas chamber, means for admitting a measured amount of gas to said gas chamber and trapping said gas in said chamber and transparent tube, an absorbent liquid in said absorbent reservoir, a yieldable wall in said absorbent reservoir which supports said absorbent liquid and is exposed to the atmosphere thereby permitting said absorbent to be drawn into said transparent tube by the vacuum created when said gas is absorbed by the absorbent, and a calibrated scale associated with the transparent tube for indicating by the level of the absorbent in said tube the percentage of gas absorbed by the absorbent.

2,363,028
CATHODE FILAMENT
Carl J. Warnke, Chicago, Ill.
Application December 16, 1941, Serial No. 423,239
5 Claims. (Cl. 176—126)



1. A cathode filament including a tubular braid formed of conductive strands tubularly braided, a core of metallic wire within the tubular braid and in contact with the strands thereof, each strand of the braid being wrapped helically around the core, contacting the core at numerous points along its length, intertwined with other strands and welded at its ends to the core, and an emissive material interlocked within the braid and between the braid and core.

2,363,029

TREATMENT OF MAGNESITE ORES

Arthur J. Weinig, Golden, Colo., assignor to Basic Magnesium, Incorporated, a corporation of Nevada

No Drawing. Application February 12, 1942, Serial No. 430,619
13 Claims. (Cl. 209—166)

1. In the treatment of magnesite ores, in which a magnesite ore pulp containing a collector reagent of soap-like character is subjected to a froth flotation treatment for the recovery of magnesite constituents of the ore as a froth concentrate separate from the dolomite constituents of the ore, the improvement which comprises retarding the passage of contaminant slimes into the froth concentrate of such an operation by having a hydroxide hydrogel present in the pulp which is a reaction product of an alkali and a hydrogel-forming salt selected from the group consisting of iron and aluminum salts, and introducing a pyrophosphate composition into such pulp to reduce the floatability of contaminant slimes therein.

2,363,030

FLOTATION OF MAGNESITE

Arthur J. Weinig, Golden, Colo., assignor to Basic Magnesium, Incorporated, Las Vegas, Nev., a corporation

No Drawing. Application September 14, 1942, Serial No. 458,323
19 Claims. (Cl. 209—166)

1. The method of concentrating magnesite ores by flotation, which comprises introducing into a magnesite ore pulp, a reagent mixture including at least one naphthenic acid and a hydrogel-forming salt selected from the group consisting of ferric and aluminum salts, and subjecting the resulting product to aeration.

2,363,031

FROTH FLOTATION TREATMENT OF LOW GRADE MAGNESITE ORES

Arthur J. Weinig, Golden, Colo., assignor to Basic Magnesium, Incorporated, Las Vegas, Nev., a corporation of Nevada

No Drawing. Application February 6, 1943, Serial No. 474,982
14 Claims. (Cl. 209—166)

1. The process of treating magnesite ores by froth flotation, which comprises forming a magnesite ore pulp containing high grade magnesite, dolomite, and low grade magnesite particles, and floating the high grade magnesite selectively away from the dolomite and low grade magnesite content of the pulp by aerating said pulp in the presence of a reagent composition containing aluminum sulfate, tetrasodium pyrophosphate, starch and a non-benzenoid cyclic carboxylic acid derived from petroleum.

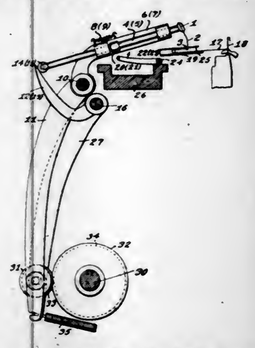
2,363,032

FLAT KNITTING FRAME

William Welker, Oberfrohna, Saxony, Germany; vested in the Alien Property Custodian

Application July 12, 1940, Serial No. 345,052
In Germany September 6, 1938
2 Claims. (Cl. 66—96)

1. In a flat knitting frame having a machine table and bar needles, a welt forming device, comprising an upright welt bar with hooks engaging the needle loops of every second bar needle of the initial course of the fabric, said hooks being situated directly behind said needles during the formation of the initial course of the welt and also during the return thereof, guides for raising and lowering said bar, said guides extending over said table and having front ends situated in front of said table, a horizontal shaft on which said guides are firmly mounted, two rods extending approximately parallel to the take up direc-



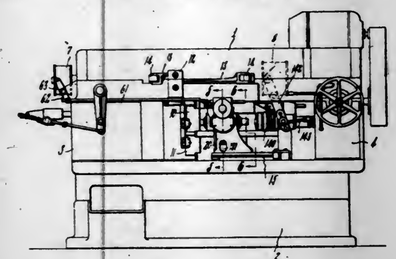
tion of the goods, said rods being longitudinally movable in said guides and supporting said welt bar with their rear ends, a second horizontal shaft, means firmly mounted on said second shaft for engaging and driving said rods and imparting to the welt bar motion opposite to the take-up direction of the fabric, said driving means being in engagement with the front ends of said rods, a main shaft, and means actuated by said main shaft for imparting oscillatory motion to both horizontal shafts.

2,363,033

DOUBLE END TOOLING MECHANISM AND ATTACHMENT

Clarence H. Adams, Windsor, Vt., assignor to Cone Automatic Machine Company, Inc., Windsor, Vt., a corporation of Vermont

Application November 28, 1940, Serial No. 367,529
11 Claims. (Cl. 29—38)



1. The combination of a lathe having a rotary hollow work spindle through which lengths of stock may be fed and clamped with an end portion projecting therefrom, means for performing a machining operation on the projecting portion of the stock and for then severing it from the remainder of the stock, of a turret positioned in front of said spindle and pivoted for indexing motion about a substantially horizontal axis transverse to the axis of said work spindle and having a work engaging member, and means for moving and turning said turret to cause said engaging member to engage and hold the projecting end of said stock spaced from said spindle while said projecting end is being cut off and to then remove said severed portion and reverse it end for end, and means for performing a second machining operation on the severed end of said portion while it is engaged by said engaging member in reversed position.

2,363,034

COMPOSITION OF MATTER

Gwynne Allen, Long Beach, Calif., assignor to Petrolite Corporation, Ltd., St. Louis, Mo., a corporation of Delaware

No Drawing. Application May 27, 1942, Serial No. 444,763
9 Claims. (Cl. 260—402.5)

9. A composition of matter, consisting of a tri-ethanolamine-reacted sub-rubbery polymeric sulfur-converted tri-ricinolein; the reaction involving the alkanolamine being conducted with almost immediate completeness at a temperature of 150° C. to below 190° C., and ratios of reactants being as follows: For each 100 parts by weight of the high molal detergent-forming monocarboxy ester, there is employed 10 to 17 parts by weight of sulfur and 10 to 20 parts by weight of the alkanolamine.

2,363,035

COMPOSITION OF MATTER

Gwynne Allen, Long Beach, Calif., assignor to Petrolite Corporation, Ltd., St. Louis, Mo., a corporation of Delaware

No Drawing. Application May 27, 1942, Serial No. 444,767
11 Claims. (Cl. 260—402.5)

11. A composition of matter, consisting of a tri-ethanolamine-reacted phthalic-acid-reacted sub-rubbery polymeric sulfur-converted tri-ricinolein; the reaction involving the alkanolamine being conducted with almost immediate completeness at a temperature of 150° C. to below 190° C. and the reaction involving the polycarboxylic acid reactant being conducted above 100° C. until examination reveals complete elimination of the uncombined reactant, and ratios of reactants being as follows: For each 100 parts by weight of the high molal detergent-forming monocarboxy ester, there is employed 10 to 17 parts by weight of sulfur, 10 to 20 parts by weight of the alkanolamine and 10 to 20 parts by weight of the polycarboxylic reactant.

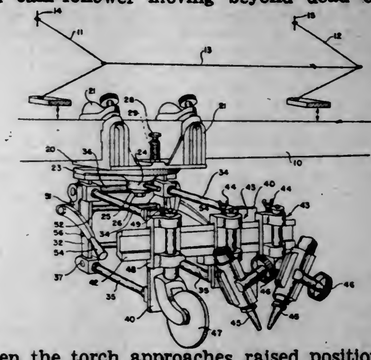
2,363,036

TORCH SUPPORT

James L. Anderson, Closter, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York

Application October 28, 1941, Serial No. 416,852
2 Claims. (Cl. 266—23)

1. A floating support for one or more cutting torches including a folding parallelogram frame disposed with the axes of its joints substantially horizontal, bracket means for connecting one end of the frame with a cutting machine, a hand-operated lever angularly movable about an axis parallel to the axes of the joints of the parallelogram frame, a cam and a cam-follower, the cam being connected to the lever and the cam follower being a crank rigidly connected with a link of the folding parallelogram frame, said cam and cam-follower cooperating, upon angular movement of the lever, to move the frame and shift the torches toward or from the work, and said cam and cam-follower moving beyond dead center



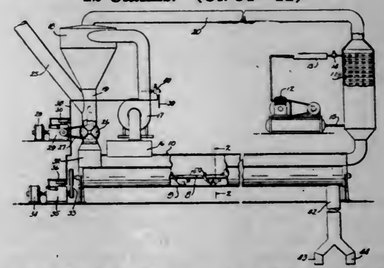
when the torch approaches raised position, for holding the torch in raised position.

2,363,037

ART OF PRESERVING VALUABLE ELEMENTS OF ORGANIC MATERIALS IN DRY STORAGE

Gerald D. Arnold, Wauwatosa, Wis.

Application October 3, 1941, Serial No. 413,420
12 Claims. (Cl. 34—11)



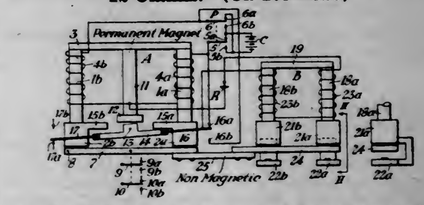
1. A method for the purposes described including the advance of highly heated finely divided organic material upon a given path, the continuous circulation of a refrigerating gas in a closed circuit including a portion of said path, the segregation from gas leaving said circuit of dust borne thereby, return of such dust to said path, and the rechilling of the refrigerating gas before the return in said circuit to said path portion.

2,363,038

ELECTRICAL RELAY

Selden B. Aylsworth, Edgewood, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

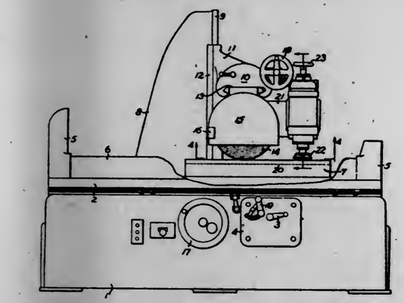
Application October 23, 1942, Serial No. 463,041
12 Claims. (Cl. 175—320)



1. An electrical relay comprising an energizing winding, a main armature responsive to the presence or absence of current in said energizing

winding, a polar armature responsive to the polarity of the current supplied to said energizing winding, a retaining winding, an auxiliary armature secured to and movable with said main armature and responsive to the presence or absence of current in said retaining winding, and means including a rectifier and contacts controlled by said polar armature for connecting said retaining winding with said energizing winding, said rectifier being poled to prevent energization of said retaining winding except when the supply of current to said energizing winding is varied.

2,363,039
SURFACE GRINDER WITH AUXILIARY SPINDLE
William G. Baldenhofer, Springfield, Ohio, assignor to The Thompson Grinder Co., Springfield, Ohio, a corporation of Ohio
Application December 22, 1941, Serial No. 424,033
2 Claims. (Cl. 51—3)



1. A groove-forming machine employed in connection with the manufacture of precision parts having grooves which extend angularly with respect to one another within extremely close angular and dimensional limits, said machine comprising a base, a table on said base and means for reciprocating said table in one direction only, a column rigid with said base, a slide, said slide forming with said column a dove-tailed guide, a saddle having a flange adapted to receive said guide and adjustable vertically therealong, said saddle having means to insure an accurate fit between the flange of said saddle and said guide, a cross slide, means for horizontally adjusting the cross slide on said saddle, a tool carriage mounted on the cross slide, a tool mounted on said carriage, a second tool mounted on the carriage, and means whereby said second tool may be adjusted vertically but not horizontally with relation to said first-named tool.

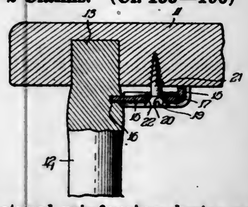
2,363,040
SAFETY RAZOR
Leon Gontran Barthalot, Buenos Aires, Argentina
Application October 1, 1942, Serial No. 460,431
In Argentina August 29, 1942
2 Claims. (Cl. 30—34)

1. A safety razor construction of the type using blades having two cutting edges, comprising a handle and a head removably mounted thereon, said head comprising a guard and a press plate between which the blade is secured when the head is on said handle, and a shield member secured between said head and handle and including a portion extending to one of the fronts of said head, said shield member terminating at said front in a rib having a projection extending toward and over said front into shielding relationship with respect to the adjacent cutting



edge of said blade, said rib being also provided with an oppositely directed projection terminating in an edge essentially parallel to said cutting edge and constituting a lather remover.

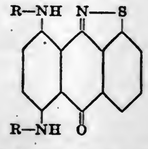
2,363,041
REPAIR DEVICE FOR CHAIRS
James H. Boye, Chicago, Ill., assignor to James H. Boye Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application May 14, 1942, Serial No. 442,909
2 Claims. (Cl. 155—196)



1. A structural reinforcing device comprising a member including an elongated body portion, said body portion having a pointed tongue projecting from one end thereof and having a leg projecting from the opposite end, said tongue and leg being integral with the body portion and the leg having a right angle relation therewith, flanges on the respective sides of the elongated body portion for strengthening the same, and said body portion having a central countersunk opening for receiving a securing screw.

2,363,042
DYES OF THE ANTHRAQUINONE SERIES
Edwin C. Buxbaum, Media, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 24, 1942, Serial No. 463,247
5 Claims. (Cl. 260—303)

1. The 1,9-isothiazoleanthrone compounds of the formula:



in which each R stands for a substituent of the group consisting of H, alkyl, aralkyl, cycloalkyl, acidyl, sulfonyl and aryl of the benzene and naphthalene series, and the halogen and sulfonic acid derivatives of said compounds, the halogen when present in the molecule being in one of the positions 6 and 7.

2,363,043
V-BELT AND FASTENER
Victor R. Clark, Chicago, Ill.
Application August 6, 1942, Serial No. 453,771
7 Claims. (Cl. 74—234)



1. In a V-belt, a length of V-belting provided adjacent each end with an opening extending therethrough, and fastening means securing the ends of said belting together comprising a substantially U-shaped member having its arms extending through said openings and presenting rounded areas of contact with said belting about which the ends of the belt tilt in the travel of the belt about a pulley.

2,363,044
ESTERS OF ACRYLIC ACIDS
Albert M. Clifford, Stow, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
No Drawing. Application June 7, 1940, Serial No. 339,391
3 Claims. (Cl. 260—83)

1. Polymerized terpinyl methacrylate.

2,363,045
CERTAIN WATER-SOLUBLE HIGH MOLAL OXYALKYLATED ESTERS
Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
No Drawing. Original application March 21, 1941, Serial No. 384,596. Divided and this application June 26, 1942, Serial No. 448,683
6 Claims. (Cl. 260—485)

1. A water-soluble esterification product derived by reaction between one mole of a polybasic compound and two moles of a high molal water-insoluble alcohol having at least 10 carbon atoms and not more than 32 carbon atoms; the polybasic compound being the esterification product of: (A) a polyalkylene glycol having at least 7 and not more than 17 ether linkages, and the alkylene radical thereof containing at least 2 and not more than 6 carbon atoms; and (B) a polybasic carboxy acid having not more than 6 carbon atoms; and the ratio of the esterifying reactants being within the range of more than 1 and not over 2 moles of the polybasic acid for each mole of the glycol.

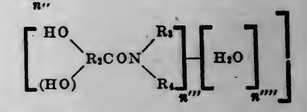
2,363,046
CERTAIN WATER-SOLUBLE HIGH MOLAL OXYALKYLATED ESTERS
Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
No Drawing. Original application March 21, 1941, Serial No. 384,599. Divided and this application June 26, 1942, Serial No. 448,685
6 Claims. (Cl. 260—456)

1. A water-soluble esterification product, derived by reaction between: (A) two moles of a polyhydric alcohol in which one hydroxy hydrogen atom has been replaced by the acyl radical of a surface-active sulfonic acid having a molecular weight between 200 and 1,000 and said ester being water-insoluble; and (B) at least one mole of a polybasic compound; said polybasic compound being the esterification product of (a) a polyalkylene glycol having at least 7 and not more than 17 ether linkages, and the alkylene radical thereof containing at least 2 and not more than 6 carbon atoms; and (b) a polybasic carboxy acid having not more than 6 carbon atoms; and the ratio of the esterifying reactants being within the range of more than 1 and not over 2 moles of the polybasic acid for each mole of the glycol.

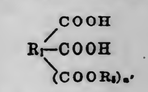
2,363,047
CERTAIN WATER-SOLUBLE HIGH MOLAL OXYALKYLATED ESTERS AND METHOD OF MAKING SAME
Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
No Drawing. Original application March 21, 1941, Serial No. 384,602. Divided and this application June 26, 1942, Serial No. 448,688
12 Claims. (Cl. 260—404.5)

1. A water-soluble ester of the formula:

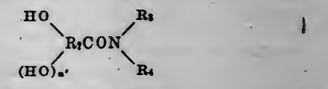




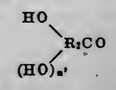
in which n' represents the number 0 or 1, n'' represents a numeral varying from 1 to 3, and n''' represents a numeral varying from 1 to 4, n'''' represents a numeral varying from 1 to 4, and in which p and p' represent numerals varying from 1 to 10, and the ratio of p to p' varies from 2:1 to $p+1:p'$, and p'' represents a numeral varying from 1 to 20, and R′ is a glycol of the formula HO—R—OH in which the divalent radical —RO— is the divalent radical $—(C_nH_{2n}O)_m—$ in which radical, in turn, n represents a numeral varying from 2 to 4, and m represents a numeral varying from 7 to 17; R″ is the polycarboxy acid



in which R_1 is the polycarboxy acid residue, and R_2 is a cation, and as previously, n' is the numeral 0 or 1;



is an amide in which



is the acyl radical of a high molal hydroxy acid having at least 11 and not more than 36 carbon atoms, and n' is the numeral 0 or 1, and R_3 and R_4 are selected from the class of hydrogen atoms and hydrocarbon radicals having not over 7 carbon atoms.

2,363,048

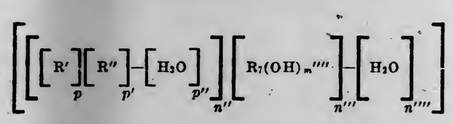
CERTAIN WATER-SOLUBLE HIGH MOLAL OXYALKYLATED ESTERS: AND METHOD OF MAKING SAME

Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

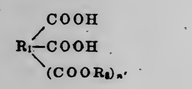
No Drawing. Original application July 7, 1941, Serial No. 401,378. Divided and this application March 9, 1943, Serial No. 478,589

12 Claims. (Cl. 260—404.5)

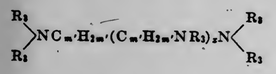
1. A water-soluble ester of the formula:



in which n'' represents a numeral varying from 1 to 10, and n''' represents a numeral varying from 1 to 4, and n'''' represents a numeral varying from 1 to 10, and in which p and p' represent numerals varying from 1 to 10, and the ratio of p to p' varies from 2:1 to $p+1:p'$, and p'' represents a numeral varying from 1 to 20, and R' is a glycol of the formula HO—R—OH in which the divalent radicals —RO— is the divalent radical $—(C_nH_{2n}O)_m—$ in which radical, in turn, n represents a numeral varying from 2 to 4, and m represents a numeral varying from 7 to 17; R'' is the polycarboxy acid



in which R_1 is the polycarboxy acid residue, and R_3 is a cation, and n' is the numeral 0 or 1; $R_7(OH)_{m''''}$ is a hydroxylated acylated amino-alcohol in which m'''' represents a numeral from 1 to 3, and R_7 is the dehydroxylated residue of the hydroxylated acylated polyamino compound, in which carbon atom chains are uninterrupted by oxygen atoms, and of the following composition:



in which m' represents a small whole number varying from 2 to 10; x is a small whole number varying from 0 to 10; R_3 is a member of the class consisting of H, R_4CO, R_5CO, and R_6, in which R_4CO represents an acyl radical derived from a detergent-forming monocarboxy acid having at least 8 and not more than 32 carbon atoms, R_5CO is an acyl radical derived from a lower molecular weight carboxy acid having 6 carbon atoms or less; and R_6 is a member of the class consisting of alkyl, hydroxyalkyl, aminoalkyl, and acyloxyalkylene, in which instance the acyl group is a member of the class consisting of R_4CO and R_5CO; and the acylated polyamine is further characterized by the fact that there must be present a member of the class consisting of

(a) Acyloxyalkylene radical, in which the acyl group is R_4CO; and

(b) Joint occurrences of an amido radical, in which the acyl group is R_4CO and a hydroxyalkyl radical.

2,363,049

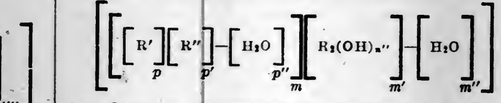
CERTAIN WATER-SOLUBLE HIGH MOLAL OXYALKYLATED ESTERS AND METHOD OF MAKING SAME

Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

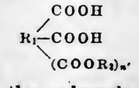
No Drawing. Original application July 7, 1941, Serial No. 401,381. Divided and this application March 9, 1943, Serial No. 478,592

12 Claims. (Cl. 260—404.5)

1. A water-soluble ester of the formula:



in which m represents the numeral 1 to 5, m' represents the numeral 1 to 3, and m'' represents the numeral from 1 to 5; and in which p and p' represent numerals varying from 1 to 10, and the ratio of p to p' varies from 2:1 to $p+1:p'$, and p'' represents a numeral varying from 1 to 20, and R' is a glycol of the formula HO—R—OH in which the divalent radical —RO— is the divalent radical $—(C_nH_{2n}O)_m—$ in which radical, in turn n represents a numeral varying from 2 to 4, and m represents a numeral from 7 to 17; and R'' is the polycarboxy acid:



in which R_1 is the polycarboxic carboxy acid residue, and R_3 represents a cation including the acidic hydrogen atom, and n' is the numeral 0 or 1; $R_2(OH)_{n''}$ is a hydroxylated acylated amide in which the acylated amide radical R_2 contains

(a) An amino nitrogen-linked acyl radical derived from a monocarboxy acid having not more than 5 carbon atoms;

(b) An acyl radical derived from a detergent-forming monocarboxy acid having at least 8 and not more than 32 carbon atoms; and

(c) An alcoholiform hydroxyl radical, and n'' represents a small whole number varying from 1 to 5.

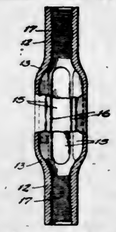
2,363,050

METHOD OF MAKING TUBULAR TURNBUCKLES

Clarence L. Dewey, Elkhart, Ind.

Application July 6, 1942, Serial No. 449,913

2 Claims. (Cl. 29—175)



1. The method of producing turnbuckles which consists in subjecting a section of metal tubing of length sufficient to produce at least two units, to a configuring operation, which reduces the diameter and thickens the wall of the intermediate portion and each end portion of each section,

severing the intermediate portion to provide two units, each consisting of a medial body of relatively larger diameter and lesser wall thickness, terminating at each end in a neck of relatively lesser diameter and greater wall thickness than the intermediate body, flattening the body to provide angularly related side faces, and threading the interior of each neck.

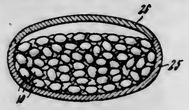
2,363,051

METHOD OF MAKING CELLULAR RUBBER

Lucian P. Dosmann, Mishawaka, Ind., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey

Application December 16, 1943, Serial No. 514,525

7 Claims. (Cl. 18—53)



1. The method of making cellular rubber which comprises, introducing into a mold a charge of pellets formed of milled vulcanizable rubber containing a blowing agent and each pellet having a sealed hollow chamber containing trapped gas, supplying sufficient heat to cause, (1) the trapped gas to inflate the individual pellets, (2) the blowing agent to expand the rubber and (3) the rubber of the pellets to merge into a mass and vulcanize, to thereby form the charge of pellets into a molded vulcanized cellular mass.

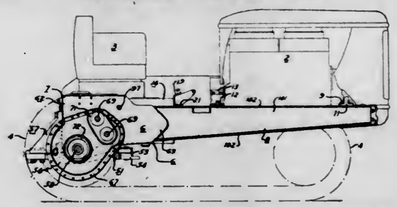
2,363,052

TRACTOR

Harmon S. Eberhard, Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif., a corporation of California

Application December 2, 1940, Serial No. 368,234

11 Claims. (Cl. 180—54)



1. A tractor frame construction comprising a load-supporting case adapted to contain driving gearing for said tractor and which is formed essentially of sheet metal welded together, said case having at the front and adjacent each side thereof a socket structure, and a side member extending from and welded to said case within each socket structure.

2,363,053

AUTOMATIC LATHE

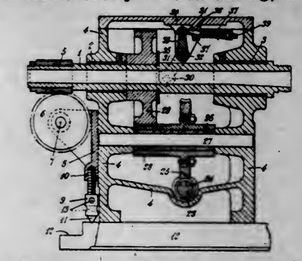
William Facks, Egham Hythe, Egham, England

Application August 7, 1942, Serial No. 454,026

In Great Britain September 12, 1941

10 Claims. (Cl. 10—154)

1. A driven mandrel adapted for incorporation in an automatic lathe and provided with a threaded member, a worm wheel constantly in mesh therewith, means for locking the worm wheel against rotation for longitudinal movement of the mandrel in one direction, return movement of the mandrel being permitted by the release of said means and the rotation of said worm wheel, a gearing mechanism operatively connected to the mandrel for mandrel rotation, the gear mechanism comprising a driven shaft mounted transversely in the casing, a worm on



said shaft, a worm wheel cooperating with the transverse shaft worm, another shaft disposed parallel with the mandrel, and a sleeve rotatable on said parallel shaft and including a worm wheel cooperating with the transverse shaft worm and gear teeth cooperating with a gear wheel mounted on the mandrel.

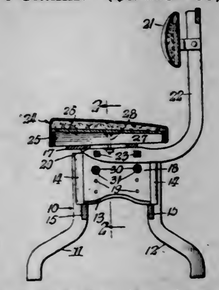
2,363,054

CHAIR

Frank D. Fields and Glenn D. Wood, Elkhart, Ind., assignors to Posture Research Corporation, Elkhart, Ind., a corporation of Indiana

Application June 3, 1942, Serial No. 445,569

6 Claims. (Cl. 155—88)

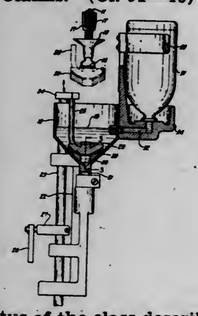


1. A chair embodying therein a pair of front and rear legs at each side of the chair, means connecting the upper portion of the legs of each pair together, a vertical guide member on the upper portion of each leg of each pair of legs and coacting with the associated connecting means in providing a vertical guide channel, seat providing means, means extending downwardly from each side of said seat providing means and slidingly engaged at its margins with the guide members of the associated guide channel, and means for directly securing said downwardly extending means to an associated connecting means for holding the seat providing means in the adjusted position relative to said pairs of legs.

5. A chair embodying therein a pair of front and rear legs at each side of the chair, means connecting the upper portion of the legs of each pair together as a unit, means providing a seat, a member extending downwardly from each side of the seat providing means adjacent to and associated with each unit, interengaging parts on each unit and the associated member providing a vertical guided engagement therebetween and whereby the seat providing means may be adjusted vertically into different positions with

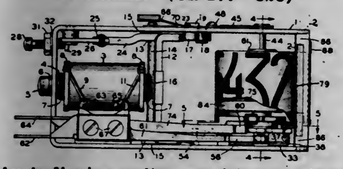
respect to said legs, means for securing the seat providing means in the adjusted position, a back rest, and supporting members each including an upright portion to which the back rest is operatively connected and each further including a horizontal portion extending under the seat and engaged with and secured to one side of an associated downwardly extending member.

2,363,055
COATING APPARATUS
John Flaws, Jr., East Cleveland, Ohio, assignor to General Electric Company, a corporation of New York
Original application January 14, 1942, Serial No. 426,766. Divided and this application May 29, 1943, Serial No. 488,955
6 Claims. (Cl. 91—46)



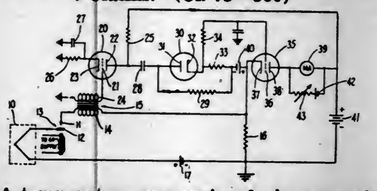
6. In apparatus of the class described for coating a filament, a reservoir for liquid coating material, an applicator member having a horizontally extending open-ended trough in its upper surface normally disposed in said reservoir with the trough submerged in the coating material, support means above said reservoir for supporting a filament in a horizontal position with its longitudinal axis parallel to and in alignment with the longitudinal axis of the trough, and means for moving said applicator member upward out of the coating material to apply coating material in the trough to the filament before the coating material drains out of the trough.

2,363,056
INDICATING DEVICE
Ernest Frischknecht, Jackson Heights, N. Y., assignor to The Teleregister Corporation, New York, N. Y., a corporation of Delaware
Application September 19, 1940, Serial No. 357,485
9 Claims. (Cl. 177—328)



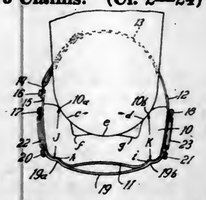
2. An indicator unit comprising a rotatable indicator having a home position and a plurality of moved positions, electro-responsive means including a ratchet mechanism for actuating said indicator, switching means for rendering the electro-responsive means ineffective as the indicator moves into the home position, means controlled by the ratchet mechanism for actuating said switching means, a cam connected to said indicator and actuated by said ratchet mechanism, a cam follower in engagement with said cam, and means for causing the cam to be operated by the follower as the indicator moves into its home position thereby to aid the ratchet mechanism in actuating said switching means.

2,363,057
ELECTRICAL MEASURING DEVICE
William B. Gaylord, Dobbs Ferry, N. Y., assignor to North American Philips Company, Inc., Dobbs Ferry, N. Y.
Application May 11, 1943, Serial No. 486,607
7 Claims. (Cl. 73—360)



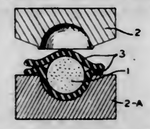
2. A temperature responsive device comprising a discharge tube having a cathode, a control electrode and an anode, a resistance element connected in the cathode-anode circuit of the discharge tube and adapted to generate a voltage proportional to the current in said tube, a thermal voltage generating member and a polarizing voltage source connected in series with each other and in shunt with said resistance element, said thermal voltage generating member and said polarizing source being so poled as to produce a resulting voltage opposing the voltage generated by said resistance element, means to produce a pulsating voltage proportional to the difference between said resultant voltage and the voltage generated by said resistance element, means to amplify said pulsating voltage, means to rectify the amplified pulsating voltage, means to apply the rectified voltage to the control electrode of said discharge tube, and means responsive to changes in the current in said discharge tube.

2,363,058
KNEE PROTECTOR
Florence Baldwin Gill, Streator, Ill.
Application November 14, 1941, Serial No. 419,147
3 Claims. (Cl. 2—24)



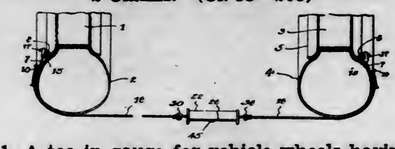
1. A knee protector comprising a pad having a base portion with upstanding opposite sides substantially U-shaped in cross-section, said base portion and sides being of appreciable thickness and formed of soft yieldable material, the outer edges of the sides being spaced apart a distance appreciably less than the width of the portion of the human leg between said outer edges of the sides when the leg is pressed against the base, and the sides extending outwardly from the base a distance sufficient to receive and support the major portion of the weight of the leg when pressed between the sides greater than the weight supported directly on the base, and means for attaching said pad to the leg.

2,363,059
CORE FOR GOLF BALLS OR THE LIKE AND METHOD OF MAKING
Charles W. Greene and Reinhard A. Habermaier, Toledo, Ohio, assignors, by mesne assignments, to The B. F. Goodrich Company, a corporation of New York
Application October 5, 1940, Serial No. 359,848
5 Claims. (Cl. 154—18)



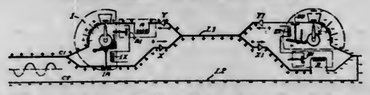
1. The method of making a mobile core for a golf ball or the like which comprises effecting a mixture of a metallic sulfate and a metallic hydroxide, one of which carries water of crystallization, forming the mixture into a solid spherical pill, incasing the pill and heating the incased pill.

2,363,060
GAUGE
Robert M. Greenleaf and John L. Hunt, Grosse Pointe, Mich., assignors to the M. L. Trust, F. R. Pendleton, trustee, Everett, Wash.
Application March 5, 1943, Serial No. 478,098
2 Claims. (Cl. 33—203)



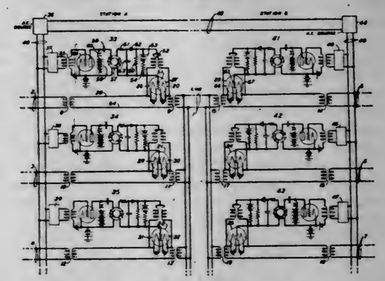
1. A toe-in gauge for vehicle wheels having a spring and tension means between which the spring is interposed adapted for connection to cords or lines anchored to opposite wheels of a vehicle so that the gauge is suspended between the wheels, one of the tension means being a tension rod, means providing scale indicia paralleling the tension rod, an indicator for cooperation with the scale indicia, said indicator comprising a body of material fashioned substantially into U shape providing two arms and a bight portion, said arms having aligned apertures therein through which the tension rod extends, the bight portion providing a spring action tending to spread the arms whereby to cause the walls of the apertures to frictionally grip the tension rod, said frictional grip being releasable for the adjustment of the indicator along the rod by forcing the two arms toward each other.

2,363,061
SUPERVISORY CONTROL SYSTEM
James R. Harrington, Mansfield, Ohio, assignor to The Autocall Company, Shelby, Ohio, a corporation of Ohio
Application February 14, 1942, Serial No. 430,934
25 Claims. (Cl. 177—353)



12. In a system of the class described, the combination of a first station and a second station, a circuit connecting said stations, means for impressing an alternating current on said system, rectifying means establishing different polarized branches in said circuit, a first rotary selection switch in said first station comprising an actuating coil, an armature responsive thereto, pawl and ratchet mechanism actuated by said armature to advance said rotary switch upon the deenergization of said actuating coil, and an interrupter contact actuated by said armature, said actuating coil and said interrupter contact being interposed directly in different polarized branches of said circuit, said interrupter contact being mechanically connected to move to closed position when said armature moves through its retractive motion, and a second rotary selection switch in said second station comprising an actuating coil, an armature responsive thereto, pawl and ratchet mechanism actuated by said armature to advance said second rotary switch upon the deenergization of said latter actuating coil, and an interrupter contact actuated by said armature, said latter actuating coil and said latter interrupter contact being interposed directly in different polarized branches of said circuit, said latter interrupter contact being mechanically connected to move to closed position when said latter armature moves through its attractive movement.

2,363,062
SIGNALING SYSTEM
Ralph V. L. Hartley, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 26, 1941, Serial No. 420,513
9 Claims. (Cl. 179—15)

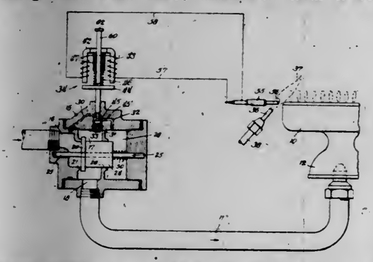


1. The combination in a two-way signaling system having a plurality of signal lines to which signal potentials are applied simultaneously and having a common line for transmitting the signals in all of said signal lines, of a plurality of discharge devices, one for each of said signal lines, each of said devices having a pair of electrodes connected in the corresponding signal line and forming in one of the conductors of such line an open gap which is conductive in either direction, and means for causing the gaps of said devices to conduct in either direction successively and cyclically to connect all of said signal lines in corresponding succession to said common line.

2,363,063
SAFETY SHUTOFF DEVICE
Charles V. Hildebrecht, Chicago, Ill., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis., a corporation of Wisconsin
Application September 2, 1941, Serial No. 409,163
3 Claims. (Cl. 137—139)

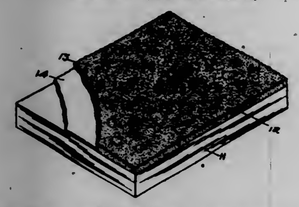
1. In safety shutoff means for controlling flow of fuel to a main burner, a valve body having an inlet chamber, means including a wall in said body forming an outlet chamber adjacent to and in communication with said inlet chamber and

a pressure chamber adjacent said outlet chamber, a valve member controlling communication between said inlet and outlet chambers and having a cylindrical extension slidable through said wall, the area of the end of said extension exposed to pressure within said pressure chamber being substantially the same as the area of said valve member exposed to pressure in the inlet chamber whereby the opposed pressures acting on said valve member when it is closed and said inlet and pressure chambers are in communication with each other are substantially equalized, means yieldingly urging said valve member closed, said valve body having a first passage opening into said inlet chamber and a second



passage opening into said outlet chamber and a third passage opening into said pressure chamber, a pilot valve controlling communication between said passages having a first position and a second position and yieldingly urged toward its said first position, said pilot valve when in its said first position shutting off communication between said second passage and said first and third passages while permitting communication between the two latter passages, said pilot valve when in its said second position shutting off communication between said first passage and said second and third passages while permitting communication between the two latter passages, and electromagnetic means capable when energized of holding said pilot valve in its said second position but incapable of moving it thereto from its said first position.

2,363,064
CLEANING PAD
David P. Israel, Boston, Mass.
Application July 31, 1943, Serial No. 496,932
1 Claim. (Cl. 15—244)



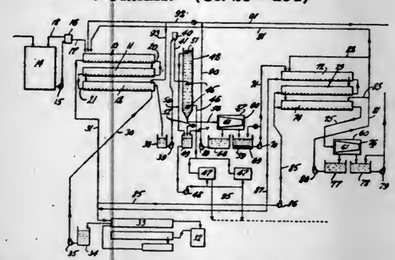
A cleaning pad of the character described comprising a relatively firm backer, and a mass of a relatively soft and friable, resilient substance adhesively attached to said backer, said mass consisting of a solidified layer of sulphochlorinated oil bonded to the backer and having numerous granules of the same material scattered over and embedded in its exposed surface whereby they project as small protuberances above said surface, so that said granules of friable substance are worn off and individually absorb and collect dirt when the pad is rubbed on a surface to be cleaned.

2,363,065
SCISSORS HOLDER FOR APRONS
Alfred G. Johnson, Seattle, Wash.
Application November 22, 1941, Serial No. 420,141
1 Claim. (Cl. 24—3)



A scissors holder adapted to be secure to workmen's aprons comprising a flat metal plate bent into arcuate shape throughout its length, an elongated single-piece, spring metal clip rigidly affixed at one end to said plate and at its other free end bearing against the plate by spring pressure, said clip being of substantially less width than the plate and formed with an intermediate offset portion of generally U-shape arranged to embrace a pair of scissors and the free end of said clip being curved in a direction opposite from the curvature of the plate so as to define therewith a relatively wide mouth for receiving and guiding the scissors laterally beneath the clip into the offset portion.

2,363,066
PROCESS FOR PRODUCING POTASSIUM HYDROXIDE OF HIGH PURITY
Edward Thorndike Ladd, Lewiston Heights, N. Y., assignor to Innis, Speiden & Co., Niagara Falls, N. Y.
Application November 28, 1941, Serial No. 420,848
7 Claims. (Cl. 23—184)

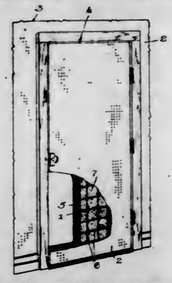


6. A process of separating potassium chloride and potassium hydroxide from each other and from a solution containing them, which includes chilling said solution to a temperature at which crystals of both of these materials are formed in a mother liquor, agitating said solution during the chilling of the same to prevent precipitation of crystals formed, introducing said solution containing said crystals into an intermediate portion of an upwardly flowing column of mother liquor, controlling the rate of flow of mother liquor upwardly in said column so that potassium chloride particles will be carried to the top of the column and potassium hydroxide particles carrying with them a very small part of potassium chloride will drop by gravity to the bottom of the column, removing crystals of potassium chloride and mother liquor from the top of the column, removing crystals and mother liquor from the bottom of the column, separating said last mentioned crystals from said mother liquor, liquefying said crystals, chilling the resulting liquid to a temperature materially higher than the first chilling temperature at which a part of said potassium hydroxide crystallizes and at which the potassium chloride remains in solution, and then separating the resulting potassium hydroxide crystals from the liquid.

2,363,067
CERAMIC MATERIALS
James R. Lait, Wembley, England, assignor to General Electric Company, a corporation of New York
No Drawing. Application November 29, 1939, Serial No. 306,695. In Great Britain December 9, 1938
4 Claims. (Cl. 106—52)

1. A ceramic material which is adapted to be sealed to glass and consists of the heat-reaction product of a mixture of steatite and a material selected from the group consisting of magnesia, zirconia and zirconium silicate, the proportion of steatite in the mixture being at least 50 per cent.

2,363,068
SOUND BARRIER WALL OR DOOR CONSTRUCTION
Ralph L. Leadbetter, Wheaton, Ill., assignor to Burgess-Manning Company, Chicago, Ill., a corporation of Illinois
Application May 4, 1944, Serial No. 534,041
10 Claims. (Cl. 20—4)

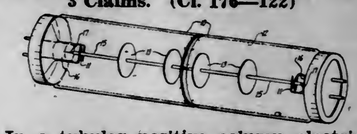


1. A sound barrier wall construction comprising a pair of spaced substantially parallel apertured panels forming the exposed surfaces of said wall construction, a grid of intersecting strips between said panels and engaging the internal surfaces thereof and defining cavities therebetween, a diaphragm within each said cavity and arranged between said apertured panels in spaced relation thereto, and intersticed masses in the spaces between said diaphragm and said apertured panels within each said cavity.

2,363,069
ANTHRAQUINONE DYES FOR ANIMAL AND RELATED FIBERS
Henry R. Lee, Pitman, N. J., and Charles A. Young, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 23, 1942, Serial No. 444,274
6 Claims. (Cl. 260—368)

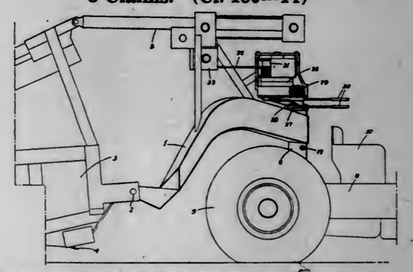
1. The dyestuffs which are obtained by acylating a 4-amino-1,1'-dianthrimide, sulfonating the resulting product in oleum and subjecting the resulting acylated amino-1,1'-dianthrimide sulfonic acid to the action of a reducing agent in sulfuric acid at temperatures of from 0 to 100° C., which dyestuffs dye wool and related fibers in gray and taupe to brown shades exhibiting excellent fastness properties.

2,363,070
ELECTRIC DISCHARGE DEVICE
Eugene Lemmers, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York
Application August 1, 1941, Serial No. 405,059
3 Claims. (Cl. 176—122)



1. In a tubular positive column electric discharge lamp characterized by low operating pressure and a diffuse discharge substantially filling the discharge tube during operation, as distinguished from high pressure and a discharge constricted thereby into a narrow cord, the combination with a discharge tube having its bore substantially unobstructed except as hereinafter set forth, discharge electrodes in said tube spaced apart to provide for a positive column discharge lengthwise of the tube, and an ionizable operating atmosphere in the tube having in operation a pressure giving the discharge the above-stated diffuse character, of a series of discs of sheet material severally thinner than the mean free path of electrons in the discharge and mounted crosswise of the tube at distances apart which are of the order of the tube bore, but affording annularly arranged openings adjacent the tube wall for the passage of the diffuse discharge, which thus spreads around the tube at the discs through said annularly arranged openings besides occupying the whole cross-section of the tube between the discs, thus washing the disc surfaces as well as the tube walls.

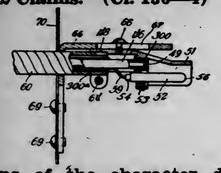
2,363,071
COMBINED DRAFT AND POWER TAKE-OFF UNIT
Robert G. Le Tourneau, Peoria, Ill., assignor to R. G. Le Tourneau, Inc., a corporation
Application March 11, 1942, Serial No. 434,217
5 Claims. (Cl. 180—14)



1. A combined power and draft connection between a tractor and implement, comprising a tongue pivoted on the implement for relative vertical tilting and extending forwardly, a universal joint connecting the tongue to the tractor, a tilt control mechanism between the tongue and implement, said mechanism including a control

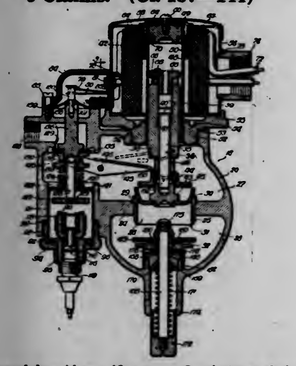
cable and normally maintaining the tongue in rigid relation to the implement, a cable winch mounted on the tongue and to which winch said cable is connected, and power transmission mechanism connected between the tractor and said winch, said mechanism in part extending through said universal joint and being arranged for universal movement therewith.

2,363,072
THERMOCOUPLE AND PILOT BURNER
Harold A. Mantz, Milwaukee, Wis., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis., a corporation of Wisconsin
Original application April 13, 1939, Serial No. 267,733, now Patent No. 2,267,742, dated December 30, 1941. Divided and this application November 14, 1941, Serial No. 419,043
2 Claims. (Cl. 136—4)



1. In means of the character described, a flexible metallic tubular sheath, a metallic bracket secured upon one end of said sheath in electrical conducting relation thereto, a pilot burner and a thermoelectric generator supported by said bracket in cooperating relation with one element of the thermoelectric generator in electrical conducting relation to said bracket, and a flexible metallic fuel supply tube within and electrically insulated from said sheath anchored in and electrically insulated from said bracket in position for supplying fuel to the pilot burner, said bracket, restraining said sheath and said tube against relative movement, said sheath being available as a lead for one element of the thermoelectric generator and said tube being available as a lead for the other element of the thermoelectric generator.

2,363,073
VALVE STRUCTURE
Harold A. Mantz, Milwaukee, Wis., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis., a corporation of Wisconsin
Application January 19, 1942, Serial No. 427,339
9 Claims. (Cl. 137—144)



1. In combination, thermoelectric safety means comprising a controlling member having a connected armature and an electromagnet connected in circuit with a thermoelectric generator adapted to be subjected to the heat of a flame, a main electroresponsive valve, an electrical operating circuit for said valve, reset means cooperable with said main valve in the opening movement thereof for resetting the thermoelectric safety device through said main valve, and a switch for disabling the electrical operating circuit for said main valve as long as the controlling member of said thermoelectric safety device is in safety position, said switch being operable to position enabling the electrical operating circuit for said electroresponsive valve upon movement of the controlling member of said thermoelectric safety means to operating position.

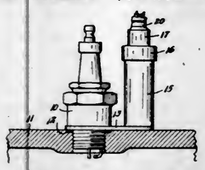
2,363,074
HALOGEN SUBSTITUTED ACYLAMINO SULPHONIC ACIDS OF THE AROMATIC SERIES AND THEIR MANUFACTURE
Henry Martin, Basel, Hans Heinrich Zaeslin, Riehen, near Basel, and Rudolf Hirt, Curt Glatthaar, and Alfred Staub, Basel, Switzerland, assignors to J. R. Geigy A. G., Basel, Switzerland
No Drawing. Application June 15, 1942, Serial No. 447,181. In Switzerland June 16, 1938
4 Claims. (Cl. 260—506)

1. The halogensubstituted unsymmetrical diphenyl urea sulphonic acids of the general formula



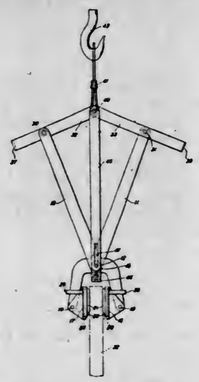
wherein Bz means a halogensubstituted aromatic radical of the benzene series, being in the form of the sodium salts colorless compounds soluble in water, these compounds being useful for durably protecting wool and other substances against moths.

2,363,075
TEMPERATURE RESPONSIVE DEVICE
Raymond P. Mattern, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application May 9, 1942, Serial No. 442,312
15 Claims. (Cl. 201—63)



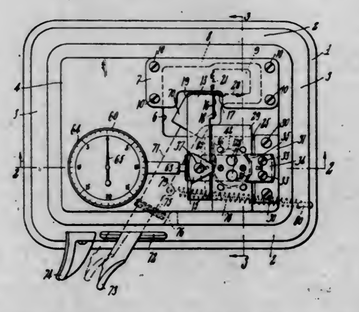
1. A device for measuring the temperature of an engine having a flanged spark plug, comprising in combination, a plate of thermally conductive material having an aperture therein for receiving said plug so that said plate may be held against said engine by said flange when said plug is in place, a core member to be positioned exteriorly of said engine, said core member of thermally conductive material mounted on said plate at a point spaced from said plug, and an element having an electrical characteristic variable with temperature substantially at a predetermined rate and mounted on said core member in heat conducting relation therewith.

2,363,076
GRAPPLE
Donald H. Mitchell, Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application November 12, 1943, Serial No. 509,978
2 Claims. (Cl. 294—117)



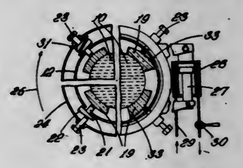
1. A grapple comprising article gripping elements each having spaced pairs of flanges disposed on the outer surfaces thereof and article engaging portions on the inner surfaces thereof, pairs of spaced transversely extending levers pivotally connected to each other intermediate their ends, means to pivotally connect the lower ends of the pairs of levers, positioned singly between their respective pairs of flanges, to the flanges, U-shaped links pivotally connected to each other at their inner ends and to their respective pairs of levers intermediate the ends of the links with the lateral connecting portions forming handles for the actuation of the link to move the levers and gripping elements into open positions, and lifting means connected to the central pivot of the links to move the links, levers and elements to move the latter into gripping engagement with an article.

2,363,077
WORK GAUGE
Willis F. Moore, Springfield, Vt., assignor to Bryant Chucking Grinder Company, Springfield, Vt., a corporation of Vermont
Application May 27, 1943, Serial No. 488,722
20 Claims. (Cl. 33—199)



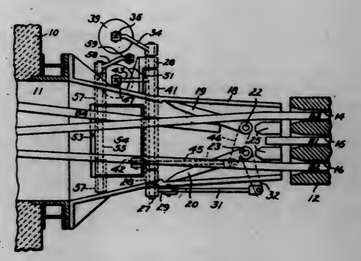
1. A gauge comprising a stand having a socket in its top face, a leaf spring extending across said socket and supported at opposite sides on said stand, gauging anvils, one of said anvils being fixed to said stand adjacent to said spring and having a work-engaging portion extending over said spring in position to engage a work piece supported by said spring, means movably supporting another of said anvils for engagement with the work piece angularly spaced from said one anvil, and means for indicating the position of said other anvil during a gauging operation.

2,363,078
ELECTRIC ARC FURNACE
Raoul Nissim, London, England
Application April 30, 1943, Serial No. 485,135
In Great Britain May 22, 1942
7 Claims. (Cl. 13—16)



1. An electric furnace comprising a hearth; a roof; an electrode extending into the hearth through an aperture in the roof; an electrode-sheath located wholly above the roof sealed loosely to the top of the roof and sealed to the electrode at a point well above the roof but being spaced from the electrode for a portion of its length intermediate said two seals; a clamp; and, extending through the sheath to the clamp, an electric current lead to the clamp and means for operating said clamp.

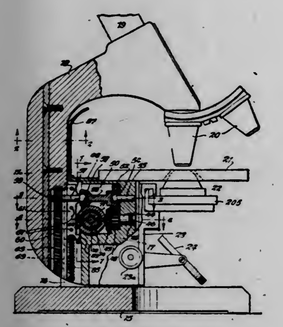
2,363,079
SWITCHING APPARATUS
Joseph M. O'Malley, Worcester, Mass., assignor to Morgan Construction Company, Worcester, Mass., a corporation of Massachusetts
Application June 16, 1943, Serial No. 491,011
7 Claims. (Cl. 193—39)



1. Switching apparatus for operation on successively delivered bars traveling endwise comprising a pair of adjacent entrances, a trough leading to the entrances, a laterally movable switch blade arranged within the trough to deflect each bar toward a selected one of said entrances, and means to lift the bars above the top of the blade to allow lateral movement of the blade without interference therewith.

2,363,080
MICROSCOPE
Harvey N. Ott, Buffalo, N. Y.
Application June 23, 1943, Serial No. 491,931
16 Claims. (Cl. 88—39)

1. A microscope including a main frame, a stage mounted on said frame, a body tube, an arm carrying said body tube and movably mounted on said main frame to move said body tube toward and from said stage, a hollow coarse adjustment shaft rotatably mounted in said frame, a fine adjustment shaft rotatably mounted in said hollow coarse adjustment shaft and having a threaded portion, means for transmitting rotary motion of said coarse adjustment shaft to said arm for rapid adjustment thereof, a sleeve having a longitudinal slot and secured to said coarse adjustment shaft, a nut in said sleeve which is threaded to cooperate with the threaded portion of said fine adjustment shaft, a ring slidably mounted on the



exterior of said sleeve and connected through the slot of said sleeve with said nut, and means cooperating with said ring for transmitting movement of said ring to said arm.

2,363,081
ANESTHETIC COMPOUNDS, INTERMEDIATES, AND PROCESSES THEREFOR
William F. Ringk, Hollis, N. Y., assignor to Novocol Chemical Mfg. Co., Inc., Brooklyn, N. Y., a corporation of New York
No Drawing. Application August 9, 1941, Serial No. 406,182
4 Claims. (Cl. 260—472)

1. Beta-alkyl amino beta, beta-dimethyl ethyl amino benzoate having the formula:

$$NH_2.C_6H_4.COOCH_2.\underset{\displaystyle CH_3}{\overset{\displaystyle CH_3}{C}}—NH\ Alkyl$$

in which the alkyl group contains no more than 10 carbon atoms.

2,363,082
ANESTHETIC COMPOUNDS, INTERMEDIATES, AND PROCESSES THEREFOR
William F. Ringk, Hollis, N. Y., assignor to Novocol Chemical Mfg. Co., Inc., Brooklyn, N. Y., a corporation of New York
No Drawing. Application January 20, 1943, Serial No. 472,963
5 Claims. (Cl. 260—472)

1. The new compound, beta-alkyl amino beta substituted ethyl amino benzoate having the formula:

$$NH_2.C_6H_4.COO.\underset{\displaystyle R^2}{\overset{\displaystyle H}{C}}\ .\ \underset{\displaystyle R^2}{\overset{\displaystyle H}{C}}.NH\ Alkyl$$

where R^2 is a lower alkyl group, and the NH alkyl group contains no more than 10 carbon atoms.

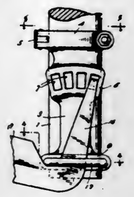
2,363,083
ANESTHETIC COMPOUNDS
William F. Ringk, Hollis, N. Y., assignor to Novocol Chemical Mfg. Co., Inc., Brooklyn, N. Y., a corporation of New York
No Drawing. Application July 29, 1943, Serial No. 496,589
5 Claims. (Cl. 260—472)

1. Beta-alkyl amino beta-methyl ethyl amino benzoate having the formula:

$$NH_2.C_6H_4.COOCH_2.\underset{\displaystyle CH_3}{\overset{\displaystyle H}{C}}—NH\ Alkyl$$

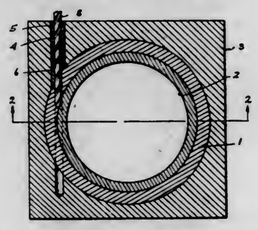
in which the alkyl group contains no more than 10 carbon atoms.

2,363,084
SCYTHE
Gustave Robichaud, Glens Falls, N. Y.
Application November 9, 1943, Serial No. 509,615
1 Claim. (Cl. 306—1.3)



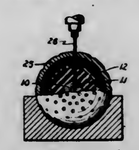
A scythe comprising a metallic bar of arcuate cross section for mounting longitudinally on end portion of a handle, cross bars integral with the forward and rear ends of the arcuate bar and having recesses for reception of the handle, a substantially U-shaped clamp pivotally connected at one end to one end of the rear cross bar, means for adjustably connecting the other end of the clamp to the other end of said rear cross bar, the clamp being engageable around the handle and coacting with the rear cross bar to secure the handle, said arcuate bar including an integral arcuate raised portion having an arcuate series of openings therein for the reception of a lug on a blade tang, a U bolt having a flat intermediate portion for engagement with the blade tang for securing the latter against the forward cross bar and including legs extending through said forward cross bar at opposite sides of the handle, a clamp embracing the handle at the side opposite the forward cross bar, the legs of said U bolt passing through the ends of said clamp and having nuts threaded thereon for securing the handle, said forward cross bar having a flat outer surface coacting with the flat intermediate portion of the U bolt, and an abutment journaled one one of the legs of the U bolt and engageable with the blade tang at the heel of the blade for assisting in retaining the latter in adjusted position.

2,363,085
GUIDE BUSHING FOR DRILLS
Richard T. Roye, Houston, Tex.
Application November 29, 1943, Serial No. 512,287
4 Claims. (Cl. 77—62)



1. A guide bushing for drills comprising an outer tubular section and an inner solid section.

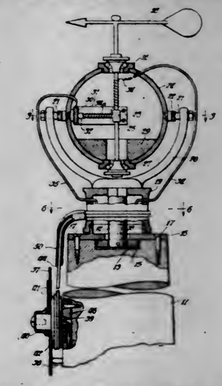
2,363,086
METHOD OF MAKING BALL CORES
George K. Ryan, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Original application July 20, 1940, Serial No. 346,601, now Patent No. 2,342,603, dated February 22, 1944. Divided and this application September 4, 1942, Serial No. 457,292
2 Claims. (Cl. 154—18)



1. The method of making a golf ball core suitable for high tension winding thereon and needle injection of the completed ball, comprising providing a congealed center pellet, forming and partially vulcanizing half shells of a mixture of rubber and a softening agent, assembling the half shells about said center in a mold and applying heat and pressure to unite said half shells to each other about said center while advancing vulcanization of the half shells, molding a covering of firm rubber composition about said half shells with said center pellet contained therein, and fully vulcanizing said covering while completing the vulcanization of said half shells.

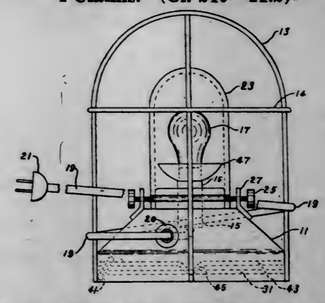
2,363,087
WIND COURSE INDICATING MEANS
George F. Salisbury, Kenilworth, Ill.
Application January 28, 1942, Serial No. 428,497
9 Claims. (Cl. 73—188)

1. In a wind course indicating means for a sailboat, a wind vane at the top of the mast thereof, current indicating means at the bottom of said mast, an electric circuit including said indicating means and including two conductors extending to the top of the mast, a resistance rotatably mounted at the top of said mast and in circuit with one of said conductors, a sliding contact cooperating with said resistance and in circuit with the other of said conductors and actuated by said wind vane for causing a current change in said electric circuit, both of said conductors being anchored at their upper ends with respect to said rotatable resistance, and a manually rotatable member to which said conductors are anchored near their lower ends for the purpose of shifting the longitudinal position



of said conductors to cause said resistance to rotate with respect to said sliding contact.

2,363,088
UTILITY LANTERN
Robert T. Sand, Detroit, Mich.
Application June 14, 1943, Serial No. 490,944
4 Claims. (Cl. 240—11.2)

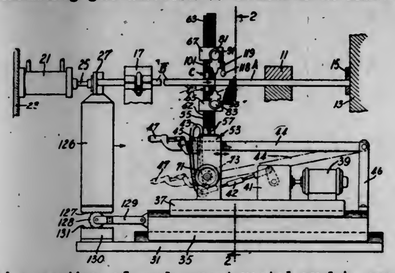


1. A utility lantern comprising, a base of an inverted bowl shape, an electric lamp socket mounted through the central portion of the upturned wall of the base, a plurality of guard members each of an inverted U-shape and having the downturned ends secured around the downturned rim of the base, said guard members being spaced suitably to serve both as a guard and as a handle, a cross-rod disposed under said base with the ends secured to the downturned rim thereof, and a lantern support hook slidably connected on said cross-rod to be moved therealong and of a length suitable to be disposed snugly under the base between the opposite sides of the downturned rim when not in use.

2,363,089
WELDING PROCESS AND APPARATUS
Egon B. Scherl, Niagara Falls, N. Y., assignor to The Linde Air Products Company, a corporation of Ohio
Application August 21, 1942, Serial No. 455,565
19 Claims. (Cl. 29—33)

1. Process for butt-welding members of weldable metal, which comprises placing surfaces of said members in abutting relation and forcing said members together under a high pressure while heating the metal at and adjacent the in-

terface formed by the abutting surfaces to a welding temperature not substantially higher than the solidus temperature of the metal, thereby upsetting metal at and adjacent the abutting surfaces; and progressively flowing such upset metal into the path of at least one jet of a metal-combusting gas directed to consume at least the



major portion of such upset metal and to supply welding heat to adjacent portions of the members, thereby progressively welding the members at the said interface while under high pressure and while maintaining at least two lateral surfaces of the members at the welded zone in preselected size and shape.

2,363,090
PHOSPHOR
Herman Robert Schoenfeldt, South Euclid, Ohio, assignor to General Electric Company, a corporation of New York
No Drawing. Application December 31, 1941, Serial No. 425,232
2 Claims. (Cl. 252—301.5)

2. The method of treating phosphor of the group comprising metal tungstates and molybdates containing an excess of oxide of the metal which comprises mixing the phosphor with a material of the group consisting of silica and boric oxide and compounds which break down upon heating to yield silica or boric oxide, and then firing the mixture at a temperature of the order of 1000° C. to cause the said material to react with the excess oxide.

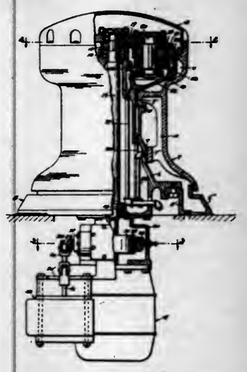
2,363,091
PREPARATION OF CELLULOSE ESTERS
George W. Seymour and Blanche B. White, Cumberland, Md., assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application April 23, 1942, Serial No. 440,204
5 Claims. (Cl. 260—225)

1. Process for the preparation of mixed esters of cellulose containing both the formyl and acetyl radicals, which comprises esterifying cellulose with formic-acetic anhydride prepared by reacting formic acid with acetic anhydride in the presence of sulfuric acid as esterification catalyst.

2,363,092
METHOD OF MAKING 6,10,14-TRIMETHYL-PENTADECANONE-2
Lee Irvin Smith and Joseph A. Sprung, Minneapolis, Minn., assignors to Regents of the University of Minnesota, Minneapolis, Minn., a corporation of Minnesota
No Drawing. Application August 1, 1942, Serial No. 453,280
3 Claims. (Cl. 260—593)

1. The method of preparing 6,10,14-trimethylpentadecanone-2 which comprises reacting a 4,8,12-trimethyl-tridecyl magnesium halide and acetaldehyde, hydrolyzing the addition product so formed, oxidizing the resultant carbinol and separating the 6,10,14 - trimethyl - pentadecanone-2 so produced.

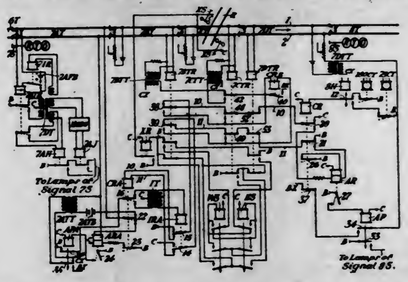
2,363,093
PLANETARY CAPSTAN
Tyler W. Sprake, Seattle, Wash., assignor to Webster-Brinkley Co., Seattle, Wash., a corporation of Washington
Application September 14, 1942, Serial No. 458,344
10 Claims. (Cl. 254—150)



4. In a capstan: the combination of a deck-mounted spud forming an upstanding neck fitted externally with a coalescent journal-thrust bushing; a capstan barrel received over the spud providing an internal collar fitting the bushing and receiving a bearing therefrom and having an imperforate web supporting the collar and operating as a partitioning wall separating a chamber for the bearing described below from a gear chamber described above the web; an inspection cover for the gear chamber; a power shaft extending from a below-deck source of power through said neck of the spud into the gear chamber; an oil-sealed bearing for the shaft at the upper end of the spud neck; reduction gearing housed in the gear chamber and drive-coupling the power shaft to the capstan barrel; and lubricant - carrying pipes extending upwardly within the spud from a point exposed for below-deck servicing to the journal-thrust bushing and to the gear chamber.

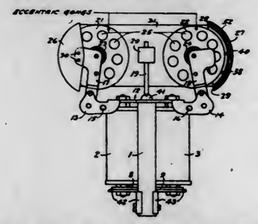
2,363,094
RAILWAY SIGNALING SYSTEM
Crawford E. Staples and Herman G. Blosser, Pittsburgh, Pa., assignors to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application July 24, 1943, Serial No. 496,032
13 Claims. (Cl. 246—39)

1. In combination, a stretch of railway track having track rails divided by insulated joints into a first, a second and a third track section through which are operated in the order named locomotives equipped with cab signal apparatus responsive to the flow of coded alternating current in the track rails, a pair of line wires substantially coextensive with said second and third track sections, a first coding relay controlling the supply of coded alternating current to the rails of said first track section, a second coding relay controlling the supply of coded alternating current to the rails of said second track section, a third coding relay controlling the supply of coded alternating current to the rails of said third track section and controlling the supply of coded energy to said line wires, means governed by traffic conditions in advance of said third section for at times supplying energy of a first code frequency and at other times supply-



ing energy of a second code frequency to said third coding relay, means effective according as said second track section is vacant or is occupied to permit energy to be supplied over said line wires to said first or said second coding relay, and means effective when said third track section is occupied to prevent the supply of coded energy over said line wires.

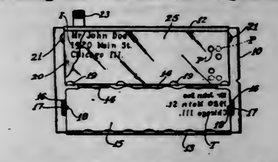
2,363,095
TELEPHONE SUBSTATION RINGER
Frank J. Stehlik, Cicero, Ill., and Fred Schumann, Nashville, Tenn., assignors to Kellogg Switchboard and Supply Company, Chicago, Ill., a corporation of Illinois
Application November 9, 1942, Serial No. 465,052
3 Claims. (Cl. 116—149)



1. A sound intensifier for use adjacent one side of a bell-shaped gong, said intensifier including an outer wall conforming generally to the contour of the adjacent side of said gong and located generally concentric with the axis of the gong, and an inner wall located between the gong and the outer wall and joined to the latter to form a chamber resonant to sound waves emitted by the gong, said inner wall having a sound-wave passage therethrough facing the gong and leading into the chamber.

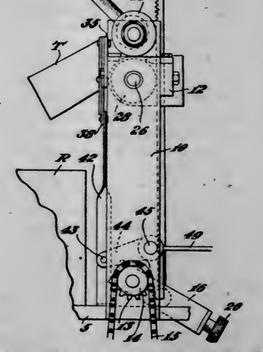
2,363,096
PRINTING DEVICE
George R. Sullivan, Cleveland, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del., a corporation of Delaware
Application August 16, 1941, Serial No. 407,109
6 Claims. (Cl. 101—369)

1. In a device of the character described including a carrier embodying a portion in which perforations are formed, a card overlying said portion and bearing a legible impression, means for retaining said card in position over said portion against relative separating movement and against relative shifting movement parallel to said portion, whereby aligned perforations may be formed in the card and carrier to afford data representations, and a transparent sheet of greater area than said portion and effective to render aligned perforations in said card and carrier ineffective as data representations, said retaining means being operable to hold said sheet releasably in position over said card against relative separating movement and against relative



shifting movement parallel to said portion, whereby aligned perforations may be formed in a portion of the sheet, card and carrier to afford data representations at least one of which differs from previously formed data representations, and said sheet being releasably held by said retaining means to enable the position of said sheet to be varied after perforation thereof as aforesaid whereby the previously formed perforations may be rendered ineffective and at least one other perforation may be formed in said sheet, card and carrier to afford at least one new data representation.

2,363,097
CUTTING MECHANISM
Erwin L. Sutter, Sharon, Mass., assignor to Tobe Deutschmann Corporation, Canton, Mass., a corporation of Delaware
Application September 30, 1943, Serial No. 504,406
3 Claims. (Cl. 164—49)



1. Strand cutting apparatus of the kind having a pair of feed rolls, means for turning one at least of said rolls intermittently, always in the same direction, a reciprocable cutter, a cutter actuating rod, and cutter actuating means for moving the rod alternately in opposite directions characterized in that said cutter actuating means includes a bell crank lever having rigidly connected arms disposed in substantially the same plane, a rotating shaft and a part carried thereby arranged to revolve in the plane of the arms of the lever and so located as first to engage and then to disengage one of said arms and thereafter to engage and then to disengage

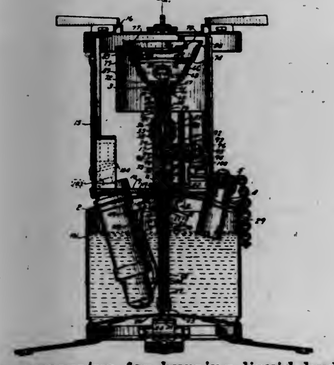
the other arm, the bell crank being free to move during the intervals between said successive engagements, the movement of the rod in one direction causing the cutter to perform its severing operation and reverse movement of the rod restoring the cutter to idle position, and means carried by the rod to limit movement of the latter in the reverse direction so as to insure return of the cutter to a definite predetermined idle position.

2,363,098

BURNER FOR FUELS CONTAINING TETRAETHYL LEAD

Boyd W. Tullis, Wichita, Kans., assignor to The Coleman Lamp and Stove Company, Wichita, Kans., a corporation of Kansas

Application January 12, 1942, Serial No. 426,420
9 Claims. (Cl. 158—67)



1. An apparatus for burning liquid hydrocarbon fuel containing a compound which produces objectionable deposits when said compound is heated to decomposing temperature, including a burner bowl for burning said fuel and having an air inlet to supply combustion supporting air into the burner bowl, a vaporizer having a nozzle tip provided with a fuel outlet orifice arranged to discharge into the burner bowl, means for supplying said fuel to the vaporizer, said vaporizer having a thick wall portion surrounding the nozzle tip and spaced from the outlet orifice, heat conducting means having a portion in position to be heated by combustion within the burner bowl and having a limited portion in variable heat conductive contact with said thick wall portion of the vaporizer for conducting an amount of heat necessary to maintain the fuel within the vaporizer at a vaporizing temperature below the decomposing point of said compound so that the compound is discharged into the burner bowl without being decomposed in the vaporizer, a clean-out needle supported in the vaporizer, and means for selectively projecting the needle through the orifice of said nozzle tip.

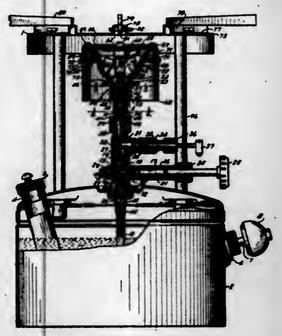
2,363,099

BURNER FOR FUELS CONTAINING TETRAETHYL LEAD AND OTHER OBJECTIONABLE FOREIGN MATTER

Boyd W. Tullis, Wichita, Kans., assignor to The Coleman Lamp and Stove Company, Wichita, Kans., a corporation of Kansas

Application August 3, 1942, Serial No. 453,378
13 Claims. (Cl. 158—68)

1. In a liquid fuel burner, a fuel vaporizer tube having a threaded exterior spaced from the discharge end of said tube, a nozzle mounted in the vaporizer tube above said threads, a burner bowl having air inlet openings for combustion supporting air, a collar on the burner bowl engaging said threads of the vaporizer and provided with air inlet openings for admitting air



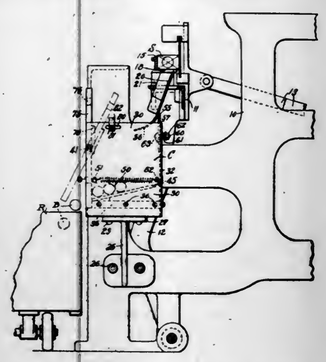
around the nozzle above the engaging threads, and tongues carried by the burner bowl and converging upwardly and inwardly above the nozzle to limit flow of air immediately surrounding the nozzle to an amount insufficient for supporting combustion between the tongues and said nozzle.

2,363,100

BOBBIN CAN FOR WEFT REPLENISHING LOOMS

Richard G. Turner, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts

Application May 27, 1944, Serial No. 537,600
14 Claims. (Cl. 139—255)



1. In a weft replenishing loom in which a bobbin expelled during a replenishing operation moves downwardly from the lay, a bobbin can below the lay and having front and back walls, a downwardly and forwardly curved bobbin chute in the path of the expelled bobbin extending from the back wall forwardly in the can toward the front wall and projecting above the can, and a resilient connection between the chute and back wall of the can normally holding said chute in position to direct the expelled bobbin toward the front wall of the can, said connection yieldable in a direction to engage the chute to move from the back wall toward the front wall of the can.

2,363,101

DEVICE FOR SIMULTANEOUSLY TUNING OSCILLATORY CIRCUITS

Jan van der Heem, The Hague, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee

Application July 22, 1941, Serial No. 403,564
In the Netherlands October 16, 1940
2 Claims. (Cl. 250—40)



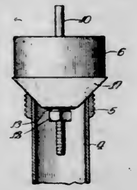
1. In a device for simultaneously tuning a plurality of oscillatory circuits to resonant frequencies differing by a substantially constant amount throughout the tuning range of the device, the combination of a plurality of tuning coils and movable magnetic cores slidable within the coils for varying the inductance thereof, each of said coils having substantially the same diameter and winding width and at least one of said coils having a winding comprising three winding sections, each winding section being spaced from the adjacently positioned winding section by a constant amount and having an inductance progressively larger than the adjacently positioned winding section the winding width of said coil being less than the length of the associated core.

2,363,102

ABRADING TOOL

Walter J. Wachowitz, Waukesha, Wis.

Original application August 10, 1939, Serial No. 289,403, now Patent No. 2,291,666, dated August 4, 1942. Divided and this application June 5, 1942, Serial No. 445,875
2 Claims. (Cl. 51—181)



1. In a tool for facing frusto-conical surfaces, a spindle having a fixed stop collar, a substantially solid resilient body of considerable rigidity and appreciable elasticity having at one end a frusto-conical extension providing an exterior continuous frusto-conical surface having a high coefficient of friction adapted to support a correspondingly shaped abrasive member by frictional engagement therewith and, at its other end, a frusto-conical recess providing an interior continuous frusto-conical surface having a high coefficient of friction adapted to support a correspondingly shaped abrasive member by frictional engagement therewith, a substantially cylindrical recess extending through said body coaxially of said frusto-conical surfaces, a rigid pressure resistant sleeve extending through and being secured in said recess of said body and fitting about said spindle with one end in contact with said collar, and securing means contacting the other end of said sleeve comprising a nut screwing on said spindle effective for clamping said sleeve to said spindle under endwise pressure between said collar and said securing means.

2,363,103

COATING MATERIALS AND PROCESS FOR MAKING THEM

Paul D. Watson, Alexandria, Va., assignor to the United States of America, as represented by Claude R. Wickard, Secretary of Agriculture, and his successors in office

No Drawing. Application April 30, 1942, Serial No. 441,236
12 Claims. (Cl. 260—18)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. The process comprising heating a mixture comprising polylactylic acids and a fatty drying oil at a temperature and for a period of time sufficient to cause the mixture to become resinified to a soft and elastic material, followed by baking the material on a metal surface.

2,363,104

MAGNESITE ORE TREATMENT

Arthur J. Weinig, Golden, Colo., assignor to Basic Magnesium, Incorporated, Las Vegas, Nev., a corporation of Nevada

No Drawing. Application April 26, 1943, Serial No. 484,633
25 Claims. (Cl. 209—166)

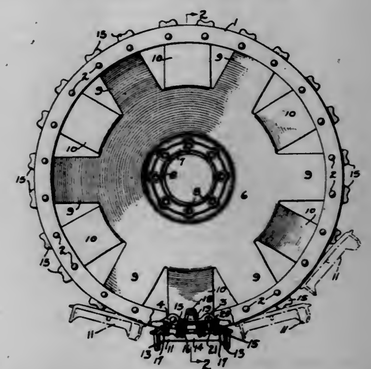
1. The method of concentrating magnetic ores, which comprises introducing magnesite ore in finely divided condition into a liquid carrier vehicle to form a pulp, introducing a salt selected from the group consisting of salts of aluminum, tin and iron into said pulp to react with lime-bearing mineral of the pulp and deposit a hydrate of the metal on the surfaces of said lime-bearing mineral, subjecting such pulp to a froth flotation treatment in the presence of a collector reagent selected from the group consisting of oleic, palmitic, stearic, capric, lauric and naphthenic acids and their salts to concentrate the magnesite content of the ore in a froth at the surface of the pulp body, and inhibiting flotation of lime-bearing minerals, siliceous matter and gangue in said pulp under the influence of the collector reagent by having causticized starch and silicic acid present in said pulp.

2,363,105

DEMOUNTABLE TRACTION UNIT

William E. Wine, Toledo, Ohio

Application August 21, 1942, Serial No. 455,634
4 Claims. (Cl. 301—63)



1. A demountable tractor unit for a tractor wheel comprising a pair of laterally spaced rim

elements, spacing members interposed between and rigidly secured to said rim elements, and a conically shaped plate-like annulus disposed inwardly of said rim elements adapted to be concentrically disposed with respect to the axis of the wheel, the outer portion of said annulus being integrally formed with a plurality of circumferentially spaced arms, some of said arms having the same inclination with respect to the axis of the wheel as said annulus and being secured to one of said rim elements, others of said arms being oppositely inclined with respect to said axis and being secured to the other of said rim elements.

2,363,106
MAST STRUCTURE AND METHOD OF ERECTION

Homer J. Woolslayer, Erwin A. Campbell, and Cecil Jenkins, Tulsa, Okla., assignors to Lee C. Moore & Company, Inc., Pittsburgh, Pa., a corporation of Pennsylvania

Application January 10, 1944, Serial No. 517,644
15 Claims. (Cl. 189—15)

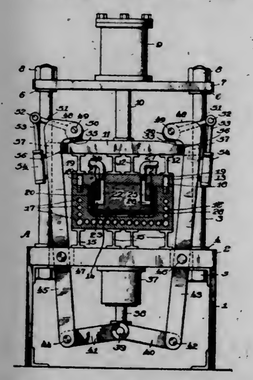


1. The method of elevating on a base a mast having at one side a stationary pair of legs that terminate short of the lower ends of its opposite pair of legs, comprising laying the mast along the ground with the lower end portion of its short leg side on the base, swinging the top of the mast upwardly to rock the mast vertically on said lower end portion until the lower ends of said opposite pair of legs descend to the base, pivotally supporting said lower ends on the base, raising the top of the mast to lift said lower end portion from the base and to swing the mast into upright position, and then supporting the mast in that position.

2,363,107
EXPANDIBLE PLASTIC MOLD

Serenus H. A. Young, Oak Park, Ill., assignor to Jesse B. Hawley, Geneva, Ill.

Application July 19, 1941, Serial No. 403,101
2 Claims. (Cl. 18—17)



1. In apparatus for molding fibrous plastic articles, a frame having a bottom platen, a die on said bottom platen, means for heating said die, a second die complemental to the first mentioned die, said dies when seated together having a cavity therebetween of the shape and size of the article to be molded, a top platen on which said second die is mounted, a power cylinder on the frame and having a plunger to which the top platen is secured for vertical movement with the plunger, a pair of levers pivotally mounted on the frame, each of said levers having an inturned upper end, a cam on each of said inturned ends, power means for rotating said cams with relation to said ends for clamping them against said top platen, and for clamping the dies between said top and bottom platens, a power cylinder secured to the bottom platen, a plunger movable into and out of said last mentioned power cylinder, a pair of toggle links connected from the last mentioned plunger to said levers whereby movement of the last mentioned plunger will move the cams inwardly or outwardly of the top platen, an expandible member in said cavity, and means for directing fluid pressure against one side of the expandible member to mold an article in the cavity to form a molded plastic article.

2,363,108
LAXATIVES

Jasper H. Kane, Garden City, and William H. Staebner, Jackson Heights, N. Y., assignors to Charles Pfizer & Company, Brooklyn, N. Y., a corporation of New Jersey

No Drawing. Application October 16, 1941, Serial No. 415,206
1 Claim. (Cl. 167—56)

A dry, stable laxative composition of matter comprising a member selected from the group consisting of the fumarates of the non-toxic alkali and alkaline earth metals and magnesium, fumaric acid and a non-toxic soluble carbonate.

2,363,109
VAPOR LAMP JACKET

Lawrence R. Keiffer, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York

Application April 1, 1942, Serial No. 437,288
3 Claims. (Cl. 176—122)



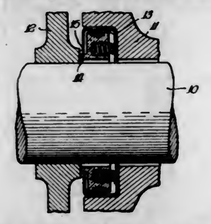
1. A lamp unit comprising in combination an elongated gaseous electric discharge lamp having a base attached to each end thereof, and a heat conservator comprising an elongated glass sleeve surrounding said lamp and coextensive therewith and supported at each end by a washer of resilient material compressed between each base and the adjacent end of the sleeve, said washers effectively sealing the space between said lamp and sleeve, and said sleeve being imperforate so as to provide a dead air space around the lamp.

2,363,110
OIL SEAL

Louis G. Krug, Chicago, Ill., assignor to Chicago Rawhide Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application December 3, 1941, Serial No. 421,504
5 Claims. (Cl. 286—7)

1. A self-contained rotary end-thrust seal comprising a hollow annular casing adapted for rigid fluid-tight association with one member in encompassing relation to a second relatively rotatable member, which casing is characterized by a cylindrical surface on the interior of the same, by a radially extending wall at the rear end of the casing, and by a relatively narrow annular retaining flange at the front end of the casing, a sealing ring in the casing, which ring is spaced inwardly from the cylindrical surface on the interior of the casing and is characterzed by a radially opening annular groove in opposed relation to said cylindrical surface, by a plurality of circumferentially spaced axially opening pockets in one end of the ring in opposed relation to said

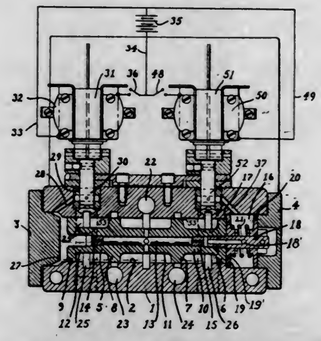


rear wall, and by an annular bearing rib at the other end of the casing, which rib projects from the casing past said retaining flange and is adapted for end-thrust engagement with an annular abutment on said second relatively rotatable member; a band of resiliently compressible material located in said groove, which band supports the sealing ring in spaced but centered relation to the casing and is positioned under compression between the bottom of the groove and the cylindrical surface on the interior of the casing; and coil springs located in said pockets and compressed between the bottoms of the pockets and the rear wall of the casing.

2,363,111
HYDRAULIC VALVE

Racy D. Bennett, Detroit, Mich., assignor to Vinco Corporation, Detroit, Mich., a corporation of Michigan

Application December 2, 1941, Serial No. 421,377
6 Claims. (Cl. 121—46.5)

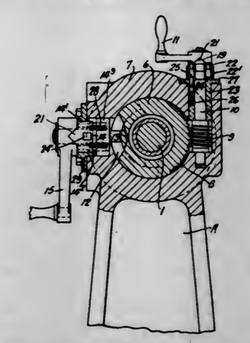


6. A hydraulic control valve comprising a casing having a bore therein, a pressure-fluid inlet passage extending through said casing and communicating with an intermediate portion of said bore, a pair of pressure-fluid outlet passages extending through said casing and communicating with said bore, one at each side of the pressure-fluid inlet, longitudinally of the bore, a reciprocable valve in the bore including a stem and a pair of spaced lands at each side of the fluid inlet, longitudinally of the bore, a passage extending longitudinally through the valve and communicating with said intermediate portion of the bore and the space between each end of the valve and the casing, so that pressure fluid from the inlet may pass to the space between each end of the valve and the casing, a drain from the space between each of said pairs of lands, a passage from the space between each end of the valve and the casing for the venting of fluid from said space, and means for independently and manually controlling the passage of fluid through said last-mentioned passages irrespective of the position of the valve, the innermost of the pairs of lands closing the outlet passages to the passage of pressure fluid from the pressure-fluid inlet when the valve is in neutral position, and the valve being movable longitudinally of the bore to cause either outlet passage to be opened for the passage of pressure fluid from the pressure-fluid inlet, the other outlet passage, when the valve is so moved, being connected to the proximate drain.

2,363,112
WEB ROLL SUPPORT

Thomas Richard Bennett, London, England, assignor to R. Hoe & Co. Inc., New York, N. Y., a corporation of New York

Application November 16, 1940, Serial No. 365,864
In Great Britain November 27, 1939
21 Claims. (Cl. 242—68)

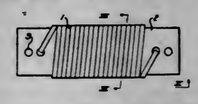


1. A web roll support having in combination a supporting structure, means mounting said structure for rotation, a plurality of rotatable chuck members supported in said structure in opposed relation to receive a plurality of rolls between them, mechanism to effect both a coarse and a fine axial adjustment of each chuck member, and a brake member operably connected to rotate with one of the opposed chuck members of each pair.

2,363,113
SPRING FORMATION

William Ogle Bennett, Jr., Lancaster Township, Lancaster County, Pa., assignor to Hamilton Watch Company, Lancaster, Pa.

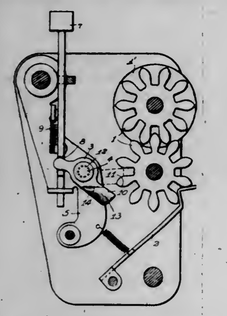
Application December 13, 1941, Serial No. 422,885
5 Claims. (Cl. 29—173)



1. A method of forming a plurality of straight spring strips of substantially exact uniformity,

consisting in providing a holder having a flat face conforming in width to the length of the desired spring strips, winding a length of material on said holder to cause the material to conform to the flat surface of the holder, clamping the material on the holder to fix the material relative thereto, heat treating the material and holder while in their relatively fixed relation, and severing the winding beyond the flat face of the holder to leave a series of independent spring strips in accurate conformation with the one side of the holder and of exact uniformity in physical characteristics.

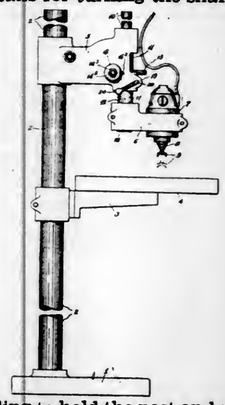
2,363,114
SETTING DEVICE FOR REGISTERS
Edwin F. Britten, Jr., Short Hills, N. J., assignor to Monroe Calculating Machine Company, Orange, N. J., a corporation of Delaware
Application June 4, 1943, Serial No. 489,689
2 Claims. (Cl. 74—142)



1. In a setting device for registers, a spur gear, a spring-urged pawl lever having an oblique arm provided with a lateral cam face and a forward edge face, a spring-retracted manipulable key engaging another arm of said pawl lever to maintain the latter normally without the path of movement of the teeth of said spur gear and to retract said pawl lever following manipulation and release thereof, said pawl lever being operable to engage said oblique arm between two adjacent teeth of said spur gear and to engage said forward edge face with an adjacent tooth of said spur gear to advance the latter the distance between two adjacent teeth thereof upon each forward pawl lever stroke, said lateral cam face upon the return stroke of said pawl lever bearing against the next succeeding tooth of said spur gear to displace said pawl lever laterally against the tension of its spring to pass said next succeeding tooth.

2,363,115
ROUTING MACHINE
Alfred E. Brocklebank, Cleveland, Ohio, assignor to The Wellman Bronze & Aluminum Company, Cleveland, Ohio, a corporation of Ohio
Application June 14, 1943, Serial No. 490,786
1 Claim. (Cl. 90—16)

A routing machine having an upright standard, a work head and a table bracket vertically adjustably secured to the standard and transversely extended therefrom in superposed relation, a vertical post having a motor bracket secured adjacent its lower end, a sleeve slidably mounted in the work head and within which the post has tight fitting engagement, one side of said sleeve being formed with a vertical rack portion, a transverse shaft journalled in the work head and provided with a pinion having engagement with the rack, means for turning the shaft, a counter-

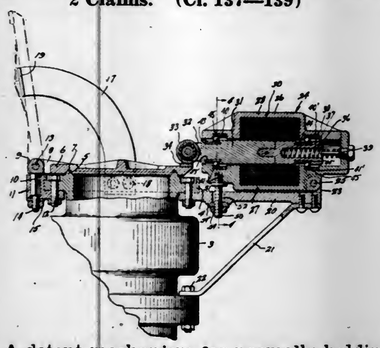


balance tending to hold the post and motor bracket in upper position, and a motor mounted in the motor bracket and having a vertical cutter spindle extended toward the table bracket.

2,363,116
ALKYLATION OF HYDROCARBONS
Frank H. Bruner, Beacon, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Original application May 4, 1939, Serial No. 271,746. Divided and this application February 4, 1943, Serial No. 474,720
6 Claims. (Cl. 260—683.4)

1. A process for the production of normally liquid saturated hydrocarbons which comprises reacting at least one paraffinic hydrocarbon containing at least one tertiary carbon atom per molecule with at least one olefinic hydrocarbon under alkylation conditions in the presence of a catalyst composition prepared only from HF, H_2O, and BF_3.

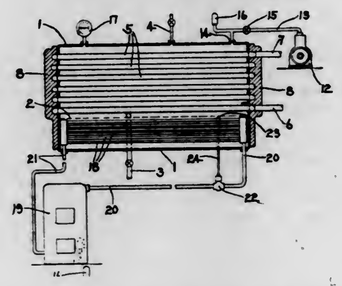
2,363,117
ELECTRICALLY RESPONSIVE PRESSURE RELEASE MEANS
Beryl M. Butler, Texas City, Tex., assignor to Pan American Refining Corporation, Texas City, Tex., a corporation of Delaware
Application January 9, 1942, Serial No. 426,261
2 Claims. (Cl. 137—139)



1. A detent mechanism for normally holding a closure against a large opening in a header ex-

tending a substantial distance from a vessel wherein an explosion may occur, said detent mechanism comprising a casing pivotally mounted on said header, a solenoid in said casing, a movable armature within said solenoid, means for providing substantially friction-free movement of the armature and means for limiting said movement in both directions, an extension at one end of said armature, a contact roller carried by said extension, means for providing substantially friction-free rotation of said contact roller and means for holding said contact roller under tension against the periphery of said closure whereby said closure may be normally held against the opening in the header by said detent but said detent may be substantially instantaneously retracted from said periphery by movement of the armature through said solenoid when the solenoid is actuated.

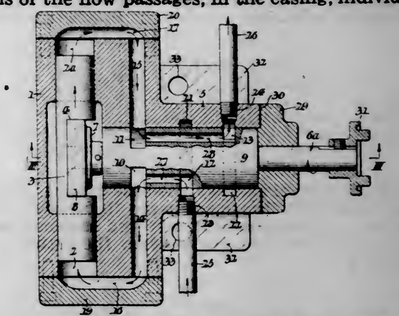
2,363,118
APPARATUS FOR HEATING FLUIDS
Joseph W. Chamberlain, Zeeland, Mich.
Application March 11, 1942, Serial No. 434,184
5 Claims. (Cl. 257—2)



5. An apparatus for heating fluids comprising, a sealed chamber in the lower part of which liquid is located, means for withdrawing air from the chamber to reduce the pressure within the chamber and thereby reduce the boiling point of the liquid to a predetermined stage, means to heat the liquid to the boiling point and to produce vapor, means for automatically controlling the liquid heating means with relation to the temperature of the liquid and to maintain a constant temperature thereof and a container to contain the fluid to be heated, said container being in contact with the vapor in said chamber.

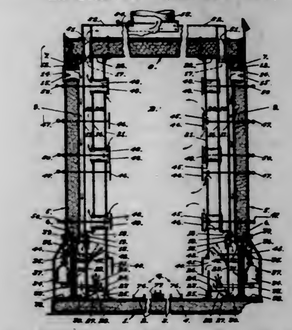
2,363,119
METERING PUMP
Kenneth W. Crossman, Willow Grove, Pa., assignor to The Edwin H. Fitler Co., Philadelphia, Pa., a corporation of Pennsylvania
Application August 26, 1943, Serial No. 500,158
4 Claims. (Cl. 103—171)

1. In a metering pump, a casing affording a pair of opposingly arranged cylinders, said casing having a valve bore, at right angles to the cylinders, fluid flow passages leading from the remote ends of the cylinders and terminating respectively in aligned relation at opposite sides of the bore, and fluid inlet and outlet passages extending laterally from opposite sides of the bore in spaced relation to each other and to the terminals of the flow passages; a piston element common to the two cylinders, means for actuating the piston element; and a valve member in the bore rotated in synchronism with the reciprocations of the piston, said valve member having a pair of transversely-aligned lateral recesses, adapted to alternately register respectively with the terminals of the flow passages, in the casing, individual



lateral recesses in its opposite sides to intermittently register respectively with the inlet and outlet ports, and longitudinal ducts respectively connecting the two laterally aligned recesses with the spaced individual recesses.

2,363,120
OVEN
William F. Drew, Los Angeles, Calif.
Application June 8, 1942, Serial No. 446,260
12 Claims. (Cl. 107—57)

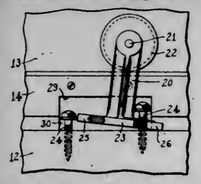


1. In an oven; a baking chamber formed of top, bottom and side members including an insulating shell, each of said side members composed of curtain walls forming heating, venting and air supply flues disposed side by side within and substantially the full length of said insulating shell, and means selectively operable for effecting and controlling communication of said flues with said baking chamber.

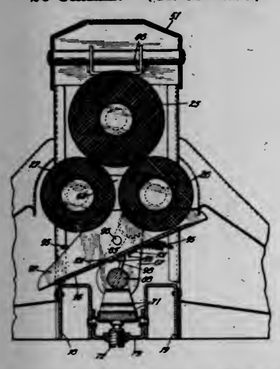
2,363,121
SLIDING DOOR HANGER
William S. Edwards, Hamden, Conn., assignor to Sargent & Company, New Haven, Conn., a corporation of Connecticut
Application September 14, 1942, Serial No. 458,246
3 Claims. (Cl. 16—97)

2. A door hanger for a sliding door, said hanger comprising an inverted T-shaped member having a base adapted to be secured to the top of the door and a body portion projecting upwardly from the central portion of the base, a roller rotatably mounted at each side of said body portion at the upper end thereof, said base member

having at each end a slot opening through the end face thereof to receive lag screws secured to the top of the door, the distance between the closed end of the slots being less than the distance between said screws, the base member being longer than the distance between the screws, and means to prevent movement of said base member with respect to the screws when the latter are tightened.



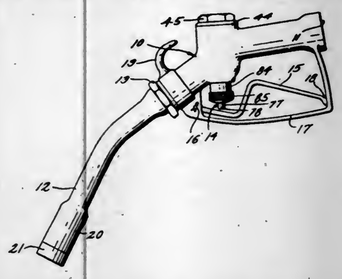
2,363,122
THREE ROLL WRINGER
Nicholas L. Etten, Waterloo, Iowa
Application September 29, 1938, Serial No. 232,377
26 Claims. (Cl. 68—253)



1. In a multiple roll wringer, the combination of a pair of wringer rolls, movable supporting members whereby said pair of wringer rolls are maintained in predetermined spaced relationship with respect to each other, a third roll common to both rolls of said aforementioned pair of rolls and adapted to simultaneously bear against each roll of the pair of rolls under an operating pressure of predetermined and adjustable magnitude, a spring below the pair of rolls acting directly thereon common to all of the rolls and being the sole resilient pressure applying means between all of the rolls whereby said pair of rolls are urged into cooperating pressure relationship with the third roll, means to unequally divide the pressure exerted by the pressure spring and cause the said pair of rolls to bear against the common roll under unequal pressure relationships, and manually operable control means effective to alter the magnitude of the operating pressures effective between the several rolls.

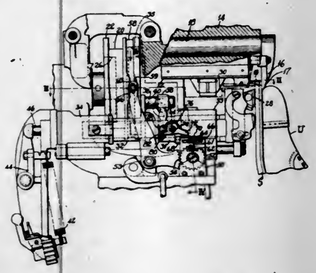
2,363,123
LIQUID SHUTOFF VALVE
George E. Franck, Riverside, Ill., assignor to The Imperial Brass Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application January 12, 1942, Serial No. 426,520
14 Claims. (Cl. 226—127)

14. A liquid valve device comprising a casing having a valve chamber, an inlet and an outlet forming a path for flow of liquid therethrough and adapted to pass said liquid into a receptacle, said flow being subject to temporary arrestment by contact of the outlet with the surface of liquid in said receptacle, a valve mechanism in the chamber actuated by a force exterior of said casing for opening and closing the liquid path comprising parts consisting of a valve and a discontinuous valve stem for operating the valve including elements having a separable connection therebetween and having normally a potentially engaged relation to permit opening and closing of



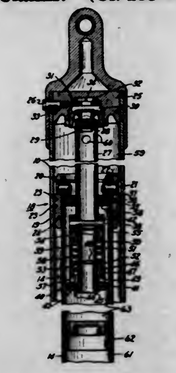
the valve, said valve mechanism including a shiftable means on one valve part initially forming part of said separable connection, and having a passage therein communicating between a portion of said shiftable means and the liquid path whereby said shiftable means is responsive to back pressure created by said temporary arrestment, said shiftable means having a second position when subjected to back pressure disengaged from the separable connection whereby said separable connection is released permitting automatic reseating of the valve independently of the stem.

2,363,124
ROUNDING MACHINE
James P. Fredericksen, Quincy, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application July 21, 1942, Serial No. 451,745
24 Claims. (Cl. 12—18)



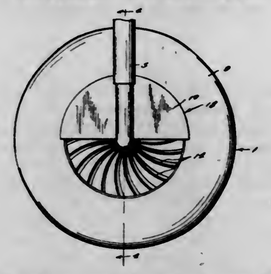
1. In a rounding machine, a knife, opposite work-feeding members co-operating with the knife, means for moving the feeding members in opposite directions first to advance the work to receive the action of the knife and then to return them to their initial positions, and means for producing relative movement of the members toward and from each other alternately to grasp the work for feeding and to release it during the return movement, the movement of release being through a predetermined distance from the surface of the work.

2,363,125
LIQUID DAMPED TELESCOPIC SHOCK ABSORBER STRUT
Sidney Foster, Leamington Spa, England, assignor to Automotive Products Company Limited, Leamington Spa, England
Application August 27, 1943, Serial No. 500,301
In Great Britain June 15, 1942
7 Claims. (Cl. 188—88)



1. A liquid damped telescopic shock absorber strut comprising a cylinder, a tubular plunger arranged telescopically in said cylinder and having an annular piston movable therewith in the cylinder, a tube supported on the cylinder and extending through the annular piston into the tubular portion of the plunger, the tube interior being in communication with the interior of the cylinder forward of the plunger piston, said tube having a restriction in the flow of liquid between the cylinder chamber and the interior of the tubular plunger, said tube also being provided with one or more ports adapted to bypass the restriction, a resiliently loaded annular valve member subjected to an opening thrust dependent on the pressure drop across the restriction and controlling said bypass ports to permit liquid to pass through from the tube into the plunger when the pressure drop across the restriction reaches a predetermined value.

2,363,126
DRIVE FOR LANDING GEAR WHEELS OF AIRPLANES
Archie Charles Gibson, Baltimore, Md.
Application November 21, 1942, Serial No. 466,465
2 Claims. (Cl. 244—103)

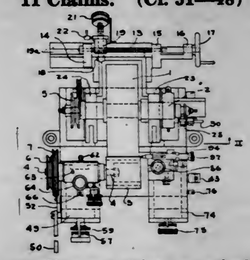


1. In a landing gear for airplanes, including a column adapted to depend from said airplane and having a lateral axle, a wheel having a hub rotatable on said axle, an impeller unit at one side of said wheel comprising a tubular sleeve fitted over said hub, a radial plate forming circular flange surrounding said hub, and a series of impeller blades radiating from said hub and having side edges attached to said flange, said blades being twisted about their longitudinal axes to incline the same laterally from said flange.

2,363,127
REMOVAL OF IRON FROM TIN
Ritson Hastings Graves, Westfield, N. J., assignor to The American Metal Company, Limited, New York, N. Y., a corporation of New York
No Drawing. Application May 6, 1943, Serial No. 485,842
5 Claims. (Cl. 75—85)

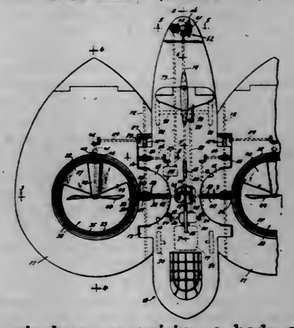
1. A process for purifying metallic tin containing iron as impurity which comprises, heating the impure metallic tin above about 925° F. while stirring to form a tin-iron dross containing substantially all of the iron present as impurity in the form of intermetallic compounds, removing the dross and leaving substantially pure tin.

2,363,128
GRINDING MACHINE
Robert Daniel Heffelfinger, Reading, Pa., assignor to Hamilton Watch Company, Lancaster, Pa.
Application September 4, 1941, Serial No. 409,499
11 Claims. (Cl. 51—48)



1. In a grinding machine, a grinding wheel, a regulating roller adapted to rotate in cooperation with the grinding wheel, and a work support adapted to hold an object to be ground between the grinding wheel and the roller, said work support being mounted for pivotal movement with respect to said grinding wheel and said roller about a horizontal and a vertical pivot.

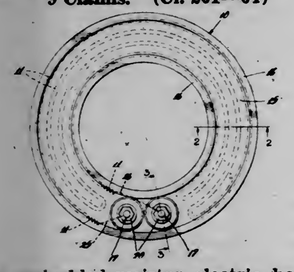
2,363,129
AIRPLANE
John Heitmann, Brooklyn, N. Y.
Application December 3, 1943, Serial No. 512,700
6 Claims. (Cl. 244—7)



1. An airplane comprising a body and wings, said wings being pivoted to said body on axes

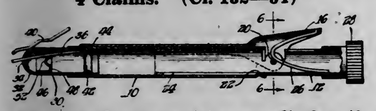
parallel with the axis of the body, said wings having openings therethrough, propeller shafts rotatably mounted in said openings and having propellers thereon, means for swinging said wings about said pivot axes, and means for rotating said shafts.

2,363,130
ELECTRICAL HEATING ELEMENT
Basil Horsfield, Pittsburgh, Pa., assignor, by mesne assignments, to Edwin L. Wiegand Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application July 24, 1940, Serial No. 347,185
9 Claims. (Cl. 201—64)



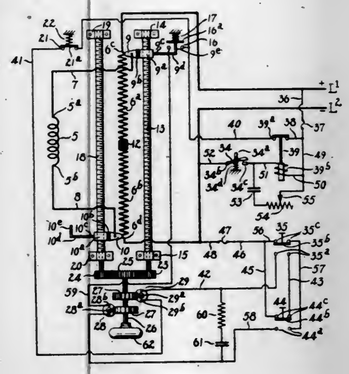
1. An embedded-resistor electric heating element comprising a body of embedding material consisting in major percentage of particles of selected refractory heat-conducting electrical-insulating material, having said particles bonded with magnesium pyrophosphate.

2,363,131
HAIR CURLER
Rudolf Krasberg, Chicago, Ill.
Application March 1, 1944, Serial No. 524,514
4 Claims. (Cl. 132—34)



4. A hair curler comprising a cylinder, the external periphery of which provides a hair receiving and curling surface, a hair retainer associated with said cylinder and overlying said surface at one end of the cylinder, a hollow hair clip holder extending from the opposite end of said cylinder and rotatably mounted therein to provide a hand held journal for said cylinder when the clip is inserted in the holder and the cylinder rotated to form a curl thereon, said holder having a relatively thin and blunt cam-shaped outer end wall with an axial opening therethrough permitting insertion into the holder of one leg of the hair clip, a disk-like member mounted in said holder, said member having a cam-shaped face portion aligned with said axial opening for engagement with the inserted leg of the hair clip when said leg is inserted into said opening in the holder, and said member having an opening therein through which the leg of the clip is directed by said face portion at an angle to the inner surface of the holder for causing bending of the inner end of the inserted leg of the clip about the edge of the opening in said member as the clip is further pushed into the holder, whereby to facilitate spreading of the other leg of the clip at a wide angle to said curling surface as said other leg on insertion of the clip in the holder moves over the relatively blunt cam-shaped outer end wall of the holder.

2,363,132
REVERSING RHEOSTAT
Edwin N. Lightfoot, Wauwatosa, and Theodore F. Rosing, Whitefish Bay, Wis., assignors to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application October 7, 1943, Serial No. 505,266
14 Claims. (Cl. 201—62)



1. In a reversing rheostat, in combination, a single set of resistance sections, a single set of fixed spaced contact segments respectively electrically connected with said resistance sections, the end contact segments of said set being respectively connected to opposite poles of a source of current supply, a pair of contact brushes common to said contact segments and adapted to cooperate therewith, means for effecting movement of said contact brushes jointly in opposite directions respectively throughout the total length of said set of contact segments, a translating device including a coil the terminals of which are respectively connected with said contact brushes, whereby in one extreme position of the respective brushes said coil is subjected to the full positive potential of said source of current supply and in the other extreme position of the respective brushes said coil is subjected to the full negative potential of said source of current supply, and whereby at the midpoint of the total range of movement of said brushes jointly they are subjected to substantially zero potential wherefore no current flows through said coil.

2,363,133
ADDITION AGENT FOR LUBRICANTS
Clarence M. Loane, Hammond, Ind., and James W. Gaynor, Chicago, Ill., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application November 28, 1940, Serial No. 367,594
13 Claims. (Cl. 252—46)

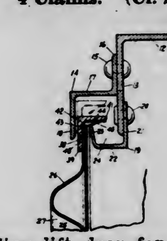
1. A lubricating oil additive consisting of a sulfurized "phosphatidic material."

11. A composition of matter comprising a minor amount of sulfurized "phosphatidic material" and a major amount of a lubricating oil, the amount of sulfurized "phosphatidic material" being sufficient to impart extreme pressure characteristics to the lubricating oil.

2,363,134
LUBRICATING OIL
Rush Fox McCleary, Beacon, N. Y., assignor, by mesne assignments, to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application April 26, 1941, Serial No. 390,541
11 Claims. (Cl. 252—47)

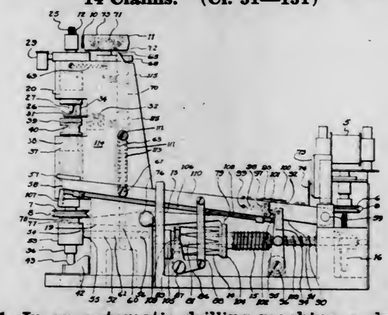
1. An improved lubricating oil comprising a mineral lubricating oil having incorporated therein a small proportion of an oil-soluble compound which is the reaction product of a methylol-forming aromatic compound with equimolecular quantities of formaldehyde and a secondary amine in the ratio of one mol of the methylol-forming aromatic compound to substantially three or more mols of both formaldehyde and a secondary amine.

2,363,135
DOOR CONSTRUCTION
Thorvald Madland, Chicago, Ill., assignor to The Youngstown Steel Door Company, Cleveland, Ohio, a corporation of Ohio
Application May 12, 1942, Serial No. 442,699
4 Claims. (Cl. 20—26)



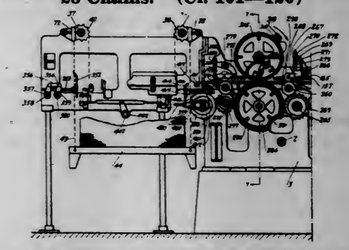
1. A sliding lift door for railway house cars comprising a panel, a metallic reinforcing member secured to the upper margin of said panel, said member having a vertical flange fastened to the outside of said panel and a flange extending inwardly across the upper edge of said panel, and a flexible metallic sealing strip, said sealing strip having a flange frictionally secured between said panel and said vertical flange of said reinforcing member and a flange abutting the underside of and terminating within said inwardly extending flange of said reinforcing member, said latter flange of said sealing strip having an outwardly and downwardly inclined sealing flange.

2,363,136
DRILLING MACHINE
Ralph Bender Mentzer, Lancaster, Pa., assignor to Hamilton Watch Company, Lancaster, Pa.
Application June 11, 1941, Serial No. 397,566
14 Claims. (Cl. 51—131)



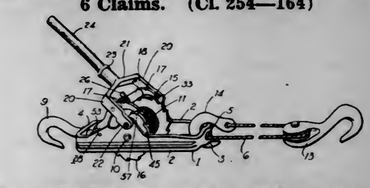
1. In an automatic drilling machine, a drill, a workholder, means adapted to bring about a plurality of periodic contacts of said drill with work in said workholder during a single drilling operation, and means for progressively increasing the duration of contact of said periodic contacts.

2,363,137
METHOD AND APPARATUS FOR PRINTING
Howard H. Metcalf, Battle Creek, Mich.
Application June 30, 1941, Serial No. 400,498
28 Claims. (Cl. 101—120)



24. A printing apparatus which has as a part thereof a cylinder with a longitudinal slot in the face thereof, said slot communicating with a normally closed printing medium receiving compartment, a screen assembly wrapped around said cylinder, and means for sliding said screen assembly around said cylinder.

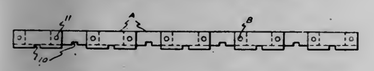
2,363,138
REVERSIBLE HAND-OPERATED WINDLASS
Edward Brown Moore, Newark, Ohio, assignor to Schuler Engineering Company, Newark, Ohio, a corporation of Ohio
Application July 15, 1943, Serial No. 494,876
6 Claims. (Cl. 254—164)



6. A windlass comprising a frame, a cable-carrying drum rotatably mounted in said frame, said drum being provided with peripherally disposed ratchet teeth, an oscillating lever pivoted at one end to said frame, a feed pawl movably carried by said lever for engagement with said ratchet teeth, a stop pawl movably carried by said frame and cooperative with said ratchet teeth, the outer end of said stop pawl being provided with a lateral extension, a latch arranged between one end of said drum and said frame for limited oscillatory movement about the axis of said drum, one end of said latch being formed with a socket for the reception of the lateral extension formed on said stop pawl, a frame carried manually turnable crank element disposed in a slot provided in said latch and operable to shift said latch between stop pawl actuating and releasing positions, said latch being further provided with a pin-receiving recess, a pin projecting laterally from said lever for movement in said recess, whereby when said latch occupies its pawl-operating position through adjustment of said crank element, the movement of said lever at the end of its active stroke will cause said pin to engage one of the end walls of said recess to rock said latch to a position causing the socket of said latch to receive the lateral extension of

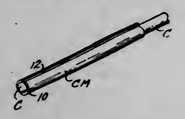
said stop pawl, thereby removing the latter from and holding the same out from engagement with said ratchet teeth, and cam means arranged between the other end of said drum and frame, said cam means being mounted for limited oscillatory movement about the axis of said drum and operable automatically to maintain said feeding pawl out of engagement with said ratchet teeth upon movement of said lever in one direction when said lever is actuated to turn said drum in a direction releasing cable tension.

2,363,139
MAT
Glenn Dale Murray and Gerald N. Allen, Dexter, Mich.
Application September 30, 1942, Serial No. 460,262
1 Claim. (Cl. 20—78.3)



A yielding mat structure having tread sections and pivot elements therefor, the tread sections being in the form of oblong blocks and arranged in longitudinally spaced relation in substantially parallel longitudinally extending rows, the blocks in adjacent rows overlapping each other at opposite ends thereof, the blocks in alternate rows being spaced laterally apart in transversely extending rows, the pivot elements extending transversely of the structure from one side to the other thereof and engaging longitudinally spaced transversely extending holes in the blocks, the outermost and central longitudinally extending rows of blocks having a greater depth than the other longitudinally extending rows intermediate the same, whereby said outermost and central rows constitute floor or ground engaging elements, and the other intermediate rows are suspended above such floor or ground from the pivot elements therefor.

2,363,140
FABRICATED COMPENSATED CAPILLARY ELEMENT
Lawrence M. Persons, St. Louis, Mo.
Application May 26, 1941, Serial No. 395,319
6 Claims. (Cl. 138—40)



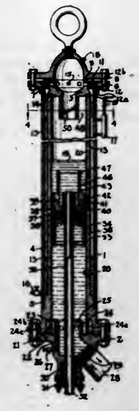
1. In a fabricated compensated capillary element, a cylindrical wire core having a groove longitudinally therein of predetermined cross sectional area, said groove being uniform throughout its length, and an enclosure for said wire, said enclosure comprising a sheet of material having a higher coefficient of expansion than said wire core and extending around said wire core, the side edges of said sheet of material being welded together with the sheet in tight engagement with the surface of said wire core, the coefficient of expansion of the sheet being so related to the coefficient of expansion of the core that the growth of the volume of the space therebetween per degree of increase in temperature is substantially the same as the growth of the same shaped volume of the fluid for which the capillary element is intended.

2,363,141
DENTAL HAND PIECE
Ernest R. Pertics, Lapaz, Ind.
Application February 27, 1943, Serial No. 477,417
1 Claim. (Cl. 32—28)



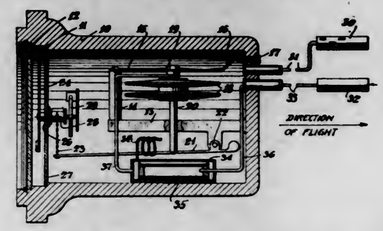
In combination with a dental hand piece including a tubular handle having an insulating lining, a shaft journaled longitudinally in and projecting beyond one end of said handle, said shaft being disposed axially of and spaced from the handle to provide a cylindrical chamber therebetween, and means for securing a tool on the projecting end of the shaft, a coil for the passage of a refrigerant mounted longitudinally in said chamber of the handle and encircling the shaft, said coil having refrigerant inlet and outlet ends passing out of the other end of the handle and being provided with a straight return lead extending longitudinally of the handle outwardly of said coil, said handle having an internal longitudinal channel in which said return lead is positioned, a cooling unit remote from the hand piece and having refrigerant inlet and outlet pipes, and flexible conduit connections between the inlets and outlets of the coil and the cooling unit.

2,363,142
HYDROPNEUMATIC PUMPING JACK
Warren B. Reed, New Orleans, La.
Application June 5, 1941, Serial No. 396,700
2 Claims. (Cl. 121—132)



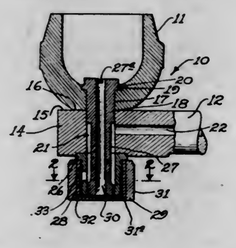
1. In a hydro-pneumatic pumping apparatus a power cylinder, a working barrel therein, a piston having a sucker rod from the well connected thereto and movable by liquid pressure from below to pump the well, a compression chamber having a fluid therein to be compressed by movement of said piston with a view of bringing the piston to rest on the upstroke when the forces on the piston become balanced, said chamber being disposed about said working barrel, and a dash pot construction to hydraulically bring said piston to a positive stop including interfitting sleeve portions on said cylinder and piston having a series of openings to be progressively closed as said sleeves interfit so as to progressively resist the escape of fluid from said dash pot.

2,363,143
AIR-SPEED INDICATOR
Wladimir A. Reichel, Hackensack, N. J., assignor to Bendix Aviation Corporation, Bendix, N. J., a corporation of Delaware
Application June 13, 1942, Serial No. 446,961
17 Claims. (Cl. 73—182)



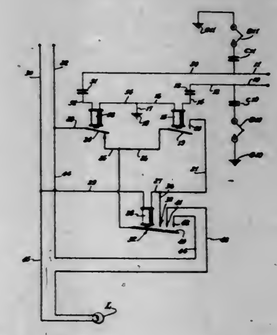
1. In an airspeed indicator having pressure responsive means, means for establishing a pressure differential on said pressure responsive means comprising a static pressure connection to one side of said pressure responsive means and a dynamic pressure connection to an opposite side of said pressure responsive means, indicating means actuated by said pressure responsive means, and altitude compensating means in one of said pressure connections responsive to a change in absolute pressure for changing the pressure within said one connection and thereby varying the pressure differential developed on said pressure responsive means.

2,363,144
SMOKER'S PIPE
James R. Ricketts, Oakland, Calif.
Application September 20, 1943, Serial No. 503,122
3 Claims. (Cl. 131—215)



1. A smoker's pipe comprising a bowl, a stem having a portion separate from and underlying the bowl, said bowl and stem having registering bores extending through the bottom of the bowl and the underlying portion of the stem, a smoke tube projecting downwardly through said bores, a sleeve arranged over the smoke tube below the stem and connected to the tube for clamping the bowl, stem and tube together, a cap arranged over the lower end of said sleeve and tube, said tube having an open-ended bore formed longitudinally therethrough, said cap, sleeve and tube being provided with passage means whereby smoke drawn through the lower end of said tube will pass around the sleeve into the bore in said stem around the tube, said stem having a passage communicating with said bore therein.

2,363,145
TELEPHONE ELECTRICAL CIRCUIT CONTROL SYSTEM
Delbert A. Robbins, Los Angeles, Calif.
Application May 10, 1943, Serial No. 486,322
4 Claims. (Cl. 179—2)

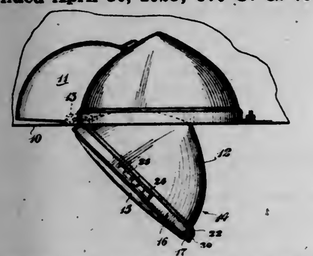


1. In a system of the character described, a circuit control system for use with a telephone line equipped for divided ringing comprising; an electro-magnetic stick relay, a supply circuit adapted to be closed by the energizing of said relay, means responsive to application of ringing current on one side of said line to energize said relay, and means responsive to application of ringing current on the opposite side of said line to de-energize said relay and thereby open said supply circuit.

2,363,146
METHOD OF MAKING CERAMIC BONDED ARTICLES
Norman P. Robie, Niagara Falls, N. Y., assignor to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
No Drawing. Application July 6, 1939, Serial No. 283,067
5 Claims. (Cl. 51—308)

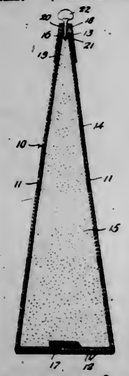
1. In the method of making a ceramic-bonded abrasive article the steps which comprise forming a mixture of abrasive particles and pulverized ceramic bond, plasticizing said mixture by incorporating a resin emulsion therein as a suspending means for the abrasive particles and the ceramic bond, adding water and mixing to form a slurry of a consistency suitable for casting but too thin for pressing, casting the mix in a mold and consolidating to form an article of the desired shape, drying said formed article, and firing to remove the organic matter and fuse the ceramic bond.

2,363,147
AIRPLANE LANDING LIGHT LAMP RETAINING RING
John M. Roper, Washington, D. C.
Application September 24, 1943, Serial No. 503,600
3 Claims. (Cl. 240—41.55)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



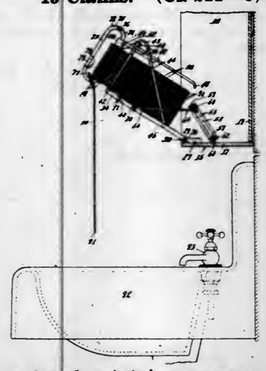
1. A lamp lens retaining ring comprising an annulus, concave in cross section, both edges of the annulus being rounded, a flange extending inwardly from each rounded edge of the annulus, the flange from one edge being substantially in one plane, the flange from the other edge being beveled at an angle to the annulus, and a securing joint formed in said annulus, said joint including a tongue on one end of the joint adapted to underlie the other end of the joint, a male clip riveted on one end, a female clip on the other end and a raised nub on each clip adapted to cooperate with a tool for engaging or disengaging the male and female clips.

2,363,148
DISPENSING CONTAINER
Samuel S. Rosen, New York, N. Y.
Application April 13, 1942, Serial No. 438,777
1 Claim. (Cl. 43—146)



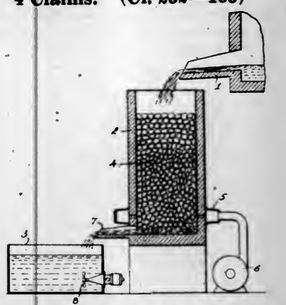
In a dispensing container for insect powder, a hollow pyramidal body fashioned from sheet material cut, scored, folded and secured to provide a resilient inherently expanded bellows structure having overlapped flaps closing the base and having a discharge opening at the apex thereof and adapted to be compressed for dispensing the contents through the discharge opening, a reinforcing tip formed with a marginal flange fitted over and secured to the apex of the body and having a discharge passage registering with the dispensing opening of the body, and a closed flexible bag constructed of an air impervious material corresponding in size and shape with the interior of and nested within the body and having an outlet opening at its apex registering with the discharge opening of the body, the mouth portion of said bag being folded upon itself to close and seal the same, said folded and closed mouth portion being located adjacent to, and engaged by, and retained in said folded condition by, the overlapped flaps of the body, and said bag being adapted to contain the insect powder and being adapted when compressed and expanded by the bellows action of the body to alternately intake air and expel the same for discharging the powder.

2,363,149
TOWEL CABINET
Jacques Rousso, Chicago, Ill.
Application September 26, 1941, Serial No. 412,366
15 Claims. (Cl. 211—6)



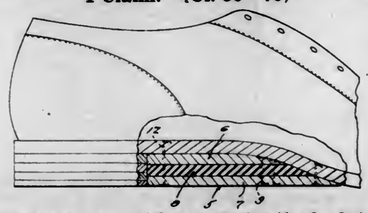
6. In a towel retaining means, a horizontal support, a frame pivoted on the support and adapted to swing from an upright to a forwardly inclined position, said frame having means to limit said movements, a follower slidably mounted on the frame and an elongated loop mounted on the follower and having separable portions to slidably mount individual towels thereon through the medium of eyelets.

2,363,150
CHEMICAL MANUFACTURE
Walter Lee Savell, Forest Hills, N. Y., assignor to The Mathieson Alkali Works, Inc., New York, N. Y., a corporation of Virginia
Application October 9, 1941, Serial No. 414,290
4 Claims. (Cl. 252—183)



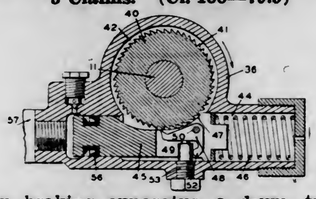
1. In the regeneration of sodium hydroxide-sodium sulfide cooking liquors whereby the black ash recovered from the spent liquor is subjected to carbonizing and burning to produce a molten salt mixture consisting principally of sodium carbonate and sodium sulfide, the improvement which comprises adding soda ash and sulfur to the molten salt mixture, passing the resultant mixture in a fused state through a charge of coke in the presence of sufficient air to maintain reducing conditions, whereby the sulfur is converted to sodium sulfide, and dissolving the reduced mixture in water to form green liquor.

2,363,151
SHOE ARCH APPLIANCE
Leo Schibi, St. Charles, Mo.
Application September 27, 1943, Serial No. 503,990
1 Claim. (Cl. 36—76)



In a shoe, an arch support attached to the shank portion of the sole of the shoe and extending from the heel to the ball portion of said sole, said support comprising top and bottom plies of leather, and an intermediate ply of resilient material.

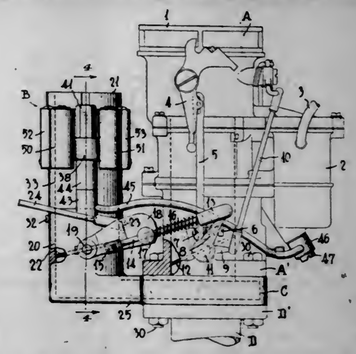
2,363,152
AUTOMATIC BRAKE ADJUSTING MEANS
Steve Schnell, Kirkwood, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application June 23, 1943, Serial No. 491,916
5 Claims. (Cl. 188—79.5)



1. In braking apparatus, a drum, two brake shoes for cooperation with the drum, lever and linkage mechanism for actuating the shoes, means for adjusting the lever and linkage mechanism to take up the slack thereof as the brake shoes wear, a fluid motor for moving the lever and linkage mechanism and comprising a movable cylinder and a fixed piston, a source of fluid pressure connected to the cylinder, fluid pressure operated means for controlling the operation of the adjusting means, and means comprising valve means operable by a movement of the cylinder beyond a relative position with respect to the piston for placing the cylinder in communication with the fluid pressure operating means to thereby cause an adjustment of the adjusting means.

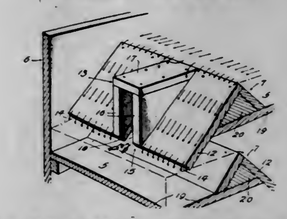
2,363,153
AUXILIARY CARBURETOR
Ralph Shipman, Sunbury, Pa.; Raldo E. Shipman and I. Kenneth Shipman, executors of said Ralph Shipman, deceased, assignors, by mesne assignments, to themselves, as joint tenants
Application December 20, 1940, Serial No. 371,042
3 Claims. (Cl. 261—41)

1. The combination with an internal combustion engine having an intake manifold formed with a bolting flange at its end, of main and auxiliary carburetors of the constant level type, each formed as an independent unit, separable from the other and each having a separate mixing chamber and fuel jet, a single, common float chamber with which the fuel jets of both carburetors communicate, means for supplying fuel



to said float chamber, said carburetors having superposed portions both connected to the bolting flange of said manifold, a separate throttle valve for controlling the flow of fuel mixture from each carburetor to said manifold, and means for opening said throttle valve successively.

2,363,154
FISH LADDER
Dell R. Smith, Everett, Wash.
Application January 14, 1944, Serial No. 518,297
7 Claims. (Cl. 61—21)

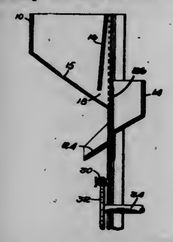


7. In a fish ladder, a basin having a dam, a second basin which directly receives all water flowing over said dam, and water-diverting means on the downstream side of said dam for preventing the descending water from striking part of the surface of the water in said second basin, leaving a relatively quiet water zone in said second basin in which small fish and debris may travel back under the first mentioned basin and on downstream.

2,363,155
DISPENSING APPARATUS
Graydon Smith, Concord, Mass., assignor to Electricooker, Inc., Newburyport, Mass., a corporation of Massachusetts
Application May 20, 1943, Serial No. 487,716
7 Claims. (Cl. 222—185)

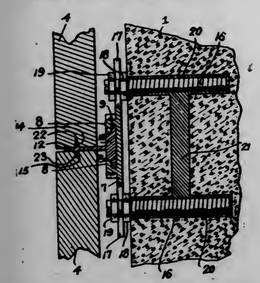
1. A dispensing apparatus comprising a frame, a hopper and a measuring receptacle on the frame, the hopper and receptacle being relatively adjacent but on opposite sides of a vertical plane therebetween, the hopper having a bottom wall sloping downwardly toward said plane and a side

wall adjacent to but out of said plane and extending downwardly short of the bottom wall to provide an exit passage therebetween, the receptacle providing a chamber disposed beneath the lowermost end of the bottom wall in position to receive material sliding down the bottom wall and through the passage, cut-off means in said plane movable vertically and relatively of the hopper



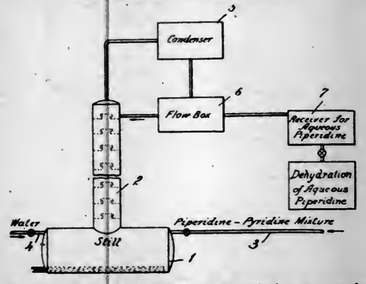
and receptacle to one position in which it permits flow of material by gravity from the hopper through said passage and into the receptacle and prevents discharge by gravity from the receptacle and to another position in which it cuts off said flow of material and permits discharge flow of material by gravity from the receptacle, and means for reciprocating said cut-off means vertically to and between said positions.

2,363,156
FASTENER FOR CRYPT FRONTS
John B. Sinner and Oscar A. Sinner, San Diego, Calif.
Application June 22, 1943, Serial No. 491,820
1 Claim. (Cl. 72—7)



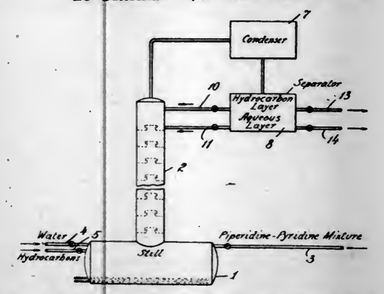
The combination with a crypt, and pairs of side by side upper and lower front slabs therefor having adjacent corners grouped around a common center, of a fastener for said fronts comprising an elongated plate extending lengthwise horizontally behind said corners, means to anchor said plate to said crypt, an elongated member slidably mounted on said plate for endwise adjustment along the same and provided with a forwardly projecting horizontal ledge slidably interposed between the corners of the upper and lower pair of fronts, and coacting devices on said ledge and edges of said corners slidably interlocking the ledge with said corners, said devices comprising upper and lower rib-like keys on said ledge, and grooves in said edges forming keyways, one of the keys being shorter than the other so that under sliding of said ledge said shorter key may be withdrawn from the groove in the edge of one slab to release the corner of said slab while the keys remain interlocked with the grooves in the edges of the corners of the other slabs.

2,363,157
PROCESS FOR PURIFYING PIPERIDINE
Henry L. Stasse, Hawthorne, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York
Application May 8, 1943, Serial No. 486,253
8 Claims. (Cl. 202—42)



1. A process of treating a mixture containing piperidine and pyridine which comprises distilling said mixture in the presence of water, whereby an azeotropic distillate containing a substantial amount of water and a different ration of pipeidine to pyridine from that present in said mixture is obtained.

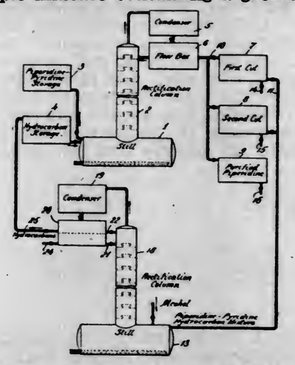
2,363,158
PROCESS FOR THE PURIFICATION OF PIPERIDINE
Henry L. Stasse, Hawthorne, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York
Application May 8, 1943, Serial No. 486,254
13 Claims. (Cl. 202—42)



1. A process of separating piperidine from pyridine which comprises distilling a mixture containing piperidine and pyridine and rectifying the vapors evolved therefrom in the presence of water and non-aromatic hydrocarbon material boiling within the range of 80° to 110° C. capable of forming an azeotropic mixture containing the water, hydrocarbon and a higher ratio of pyridine to piperidine than is present in the mixture being distilled, said azeotropic mixture boiling below the boiling point of piperidine.

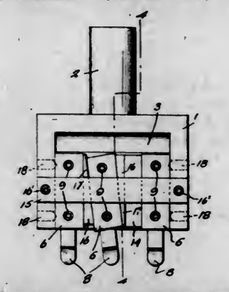
2,363,159
PURIFICATION OF PIPERIDINE
Karl Henry Engel, Teaneck, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York
Application May 8, 1943, Serial No. 486,255
18 Claims. (Cl. 202—42)

1. A process of separating piperidine from pyridine which comprises distilling a mixture containing piperidine and pyridine and rectifying the vapors evolved therefrom in the presence of non-aromatic hydrocarbon material boiling within the range of 80° to 110° C., thereby forming an azeotropic mixture containing a greater ratio of



pyridine to piperidine than is present in said first-named mixture, said azeotropic mixture boiling below the boiling point of piperidine and being removed as distillate during said distillation, thereby leaving a residue enriched in piperidine.

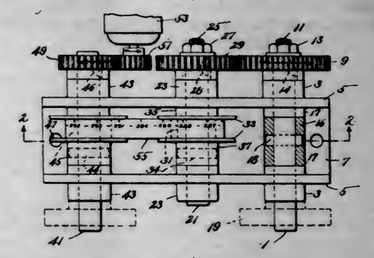
2,363,160
TOOLHOLDER
Henry Sundstrom, Dearborn, Mich.
Application September 21, 1943, Serial No. 503,251
3 Claims. (Cl. 29—97)



1. A tool holder of the character described comprising a block having a chamber therein open at the front and bottom of said block, the block further having a slot therein communicating with the chamber, a plurality of chucks, for the reception of tools, removably and adjustably mounted in the chamber, screws adjustable in the slot and connected to the chucks for securing said chucks in the chamber, a retaining bar for the chucks mounted on the front of the block and extending across the chamber, and means for adjusting the chucks in the chamber.

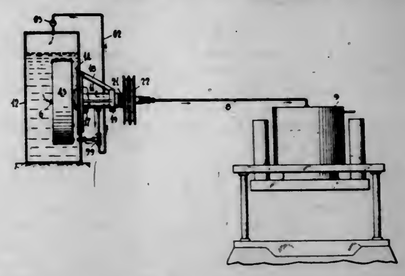
2,363,161
VARIABLE SPEED MECHANISM
Edgar A. Terrell, Charlotte, N. C., assignor to The Terrell Machine Company, Charlotte, N. C., a corporation of North Carolina
Application February 16, 1942, Serial No. 431,040
8 Claims. (Cl. 74—393)

1. Transmission unit for actuating machine parts, having in combination a power-imparting element rotating optionally in both directions at constant speed, winding means revolved by such element, a rotatable member to be driven alternately in opposite directions at controlled changing speed, a flexible member unwinding from the



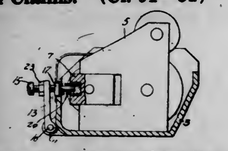
rotatable member and winding onto the winding means in superposed convolutions, and means acting to rotate the rotatable member in the winding-on direction.

2,363,162
PUMP
Benjamin A. Tripp, Knoxville, Tenn.
Application December 29, 1941, Serial No. 424,827
14 Claims. (Cl. 103—161)



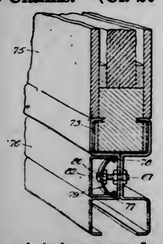
9. In a structure of the character described, a reservoir to contain a pressure medium a stationary bushing connected to the reservoir and having a bore communicating with the interior of the reservoir, a drive sleeve journaled in and extending through the bushing, radial cylinders fixedly secured to one end portion of the sleeve and arranged in the reservoir, means secured to the opposite end portion of the sleeve for turning the latter, a stationary crankshaft extending through the sleeve and having a crank end portion positioned within the reservoir, a valve sleeve having ports, one for each cylinder, positioned between the crankshaft and the drive sleeve and rotatable with the latter, the ports of the valve sleeve communicating with the inner ends of the cylinders, an intake passageway communicating with the reservoir and arranged to simultaneously supply the pressure medium from the reservoir to a plurality of said cylinders, a discharge passageway extending through the main portion of the crankshaft and arranged to simultaneously discharge the pressure medium from a plurality of said cylinders, pistons slidably fitted in the cylinders, means operatively connecting the outer ends of the pistons to the crank portion of said shaft, whereby the pistons are forced to reciprocate due to rotation of the drive sleeve, and a circular housing rotatable with the drive sleeve and enclosing said cylinders and said connecting means.

2,363,163
MOISTENING DEVICE
John B. Tweeten, Los Angeles, Calif., assignor of one-half to Robert L. Parker, South Pasadena, Calif.
Application July 6, 1942, Serial No. 449,970
4 Claims. (Cl. 91—51)



4. In a duplicator, the combination with a receptacle for moistening fluid, a moistening roller, a squeegee roller, and bearing blocks for the latter slidably mounted within the receptacle; of a rod externally hung on said reservoir parallel with said rollers, arms on said rod near the ends thereof, adjustable elements in the outer ends of said arms, compressible resilient members freely bearing against said bearing blocks, plungers in the outer ends of said resilient members contacted by said elements for individually adjusting the tension of said members, an arm on the end of said rod, and an adjustable member manually operable to apply pressure against said last named arm to rotate the rod thereby to vary the pressure of the squeegee roller against the moistening roller.

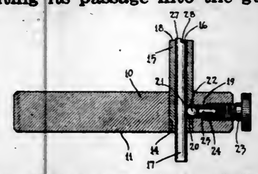
2,363,164
STRUCTURAL JOINING OF WALLS FOR CASES, PARTITIONS, AND THE LIKE
Percy H. Waller, Chicago, Ill., assignor of one-half to Charles C. Kirk
Application October 18, 1940, Serial No. 361,692
5 Claims. (Cl. 20—92)



1. Means for joining panels having edge portions in juxtaposition to each other, said means comprising channel parts each having inturned lips opposite the back thereof the lips extending toward each other from the side walls of the channel so that they may extend into grooves provided adjacent the edges of the panels, one of said channel parts serving to cover the edge portion of one panel and the other channel part serving to cover the edge portion of the other panel, said channel parts comprising two strips of metal, the base of one channel part and a side flange of the other channel part being joined whereby the channel parts open at right angles to each other.

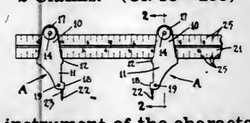
2,363,165
MEASURING INSTRUMENT
Frank J. Vierling, Minneapolis, Minn., assignor to M. M. Liederbach, Minneapolis, Minn.
Application May 22, 1943, Serial No. 488,043
3 Claims. (Cl. 33—169)

1. Clamping means for a measuring instrument including a block and a post fitted in said block and formed with an axial guideway therein, such instrument further including a measuring rod longitudinally slidable in said guideway and said block and post having axially aligned bores therein disposed at right angles to said guideway, the bore in the post communicating with said guideway and the bore in the block opening to the exterior thereof, said clamping means comprising a ball contained, in part, within said bore in said block and, in part, within said bore in said post, said latter bore being reduced adjacent to said guideway to form a stop for the ball enabling it to project into said guideway and to engage the measuring rod therein, but preventing its passage into the guideway in



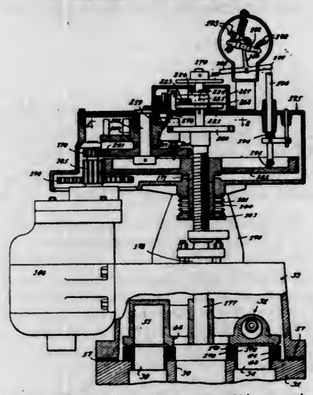
the absence of the measuring rod therefrom, a screw threaded in said bore in said block, a helical spring in said last mentioned bore bearing at its inner end against said ball and backed at its outer end against said screw, said ball being pressed by said spring into engagement with said rod and serving yieldingly to hold the rod in its various longitudinally assumed positions relative to said block, said screw having a terminal abutment accommodated axially within said helical spring and adapted to be advanced against the ball, upon the turning of the screw, to clamp said ball against said rod and thus firmly secure the same in any position in which it may be yieldingly held through the action of said spring.

2,363,166
LAYOUT INSTRUMENT
Frank J. Vierling, Minneapolis, Minn., assignor to M. M. Liederbach, Minneapolis, Minn.
Application May 22, 1943, Serial No. 488,044
2 Claims. (Cl. 33—158)



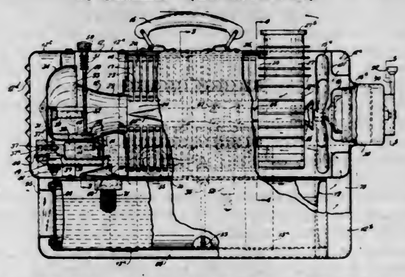
1. In an instrument of the character described, a trammel-head for application to a beam, said trammel-head comprising an elongated structure struck from sheet metal and consisting of a body with a leg extending from the base thereof, said body having at its base a pair of ears in the form of hooks turned rearwardly of the body into planes at right angles thereto, said hooks opening toward the tip of the body and being equally spaced from a medial line longitudinally thereof, said body being formed with an opening near its tip centered on said medial line, a headed clamp screw slidable in said opening and having its head at the rear of said body and formed with a cam surface, said body being adapted to be backed against one face of said beam with a marginal portion of the beam received in and overreached by said hooks and with said cam surface of the clamp screw overreaching the other marginal portion of the beam, said hooks and cam surface cooperating to guide the trammel-head along the beam, a clamp nut on said clamp screw for axially shifting the same in said body to cause the clamping of said cam surface and hooks oppositely against said beam, a point, and means on said leg for removably attaching said point thereto.

2,363,167
WATER TREATMENT APPARATUS
Lee G. Daniels, Rockford, Ill.
Original application April 26, 1937, Serial No. 138,948. Divided and this application February 8, 1941, Serial No. 377,953
9 Claims. (Cl. 210—24)



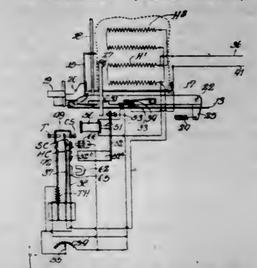
1. The combination in a zeolite water treatment apparatus having a softener tank, a brine tank, piping connecting said tanks having a service water inlet, a soft water outlet, and an outlet to waste, said piping also having a multiple port lift turn valve for controlling the flow therethrough during service and regeneration phases of a cycle of operations, of a meter mechanism comprising a meter, a rotatable member driven by said meter in response to the passage of water therethrough during said cycle, electric circuits having switches operated by said rotatable means, electrical means in said circuits periodically energized by said rotatable member by operation of said switches for actuating said valve means in the regeneration phase of said cycle a rack and pinion for independent rotation of said member in a reverse direction with respect to the meter, and power operated cam means for actuating said rack and pinion during said regeneration phase to reset said meter to a preselected starting point.

2,363,168
HEATER
Howard J. Findley, Shaker Heights, Ohio, assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application October 8, 1942, Serial No. 461,350
18 Claims. (Cl. 126—110)



1. A heater of the character described comprising a casing having an air passage therein, a combustion chamber, a burner adjacent said combustion chamber, a thermopile in said casing and having portions thereof in heat-exchange relation to said air passage, said thermopile being adapted to receive heat from the combustion chamber for the generation of electricity and to deliver heat to the air in said passage, means utilizing electricity from said thermopile and operable at a speed which is dependent upon the voltage generated in the thermopile for causing a corresponding flow of air through said passage, a tank adapted to contain a supply of liquid fuel under pressure, means for conducting fuel from said tank to the burner, a pressure-regulating valve in said conducting means, and means for adjusting said regulating valve in accordance with the rate of heat output desired from the heater.

2,363,169
BREAD TOASTER
William H. Fischer, Des Plaines, Ill., assignor to National Stamping & Electric Works, Chicago, Ill., a corporation of Illinois
Application September 29, 1941, Serial No. 412,824
8 Claims. (Cl. 99—329)

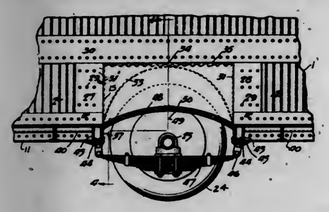


1. In a bread toaster, an electric heating element, a bread carrier movable to and from toasting position with relation to said heating element, means for locking said bread carrier in position for toasting a slice of bread thereon and for simultaneously closing the circuit for said heating element, a thermally responsive member, an electric heater for applying heat thereto, said heater being energized by closure of said heating element circuit, means deenergizing said electric heater when it has been heated to a predetermined temperature whereby the thermally responsive member is permitted to cool while the heating element remains energized, said last means comprising switch contacts, an armature and a magnet, said switch contacts being operated toward heater deenergizing position by said thermally responsive member and operated finally to such position by said armature and magnet, means for terminating the toasting operation and moving said bread carrier from toasting position by releasing said locking means when said thermally responsive member has cooled to a predetermined temperature, said last means comprising an electromagnet having a circuit controlled by said thermally responsive member, said electromagnet being operable to move said locking means to inoperable position and to move said armature away from said magnet to release said switch contacts from heater deenergizing position.

2,363,170
TRAILER BODY AND FLOOR CONSTRUCTION
Robert A. Fontaine, Roanoke, Va.
Application February 3, 1941, Serial No. 377,229
2 Claims. (Cl. 296—28)

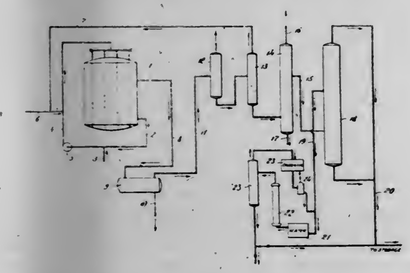
1. A trailer body for motor vehicles comprising a pair of vertically spaced structural mem-

bers, said members being substantially identical in plan, one of said members being adapted to serve as a marginal floor beam said last named member being of inverted T-shape in cross section, a plurality of metal floor members extending transversely of said body and overlappingly associated with and secured to adjacent web and flange portions of said floor beam, each of said floor members having downwardly extending side flanges, means for connecting



certain of said side flanges of said floor members, a wheel housing interrupting said floor members and intersecting said floor beam on opposite sides of said body, and means for rigidly connecting said floor members and the interrupted portions of said floor beam adjacent each of said intersections, said last means including a belt rail bridging the said wheel housing and gusset plates positioned on opposite sides of said housing and connected to said rail.

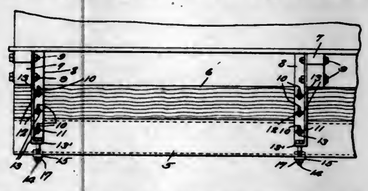
2,363,171
TREATING PETROLEUM DERIVATIVES AND PRODUCTS THEREOF
Alfred W. Francis, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application January 21, 1942, Serial No. 427,546
6 Claims. (Cl. 260—673.5)



2. The process which comprises separating dimethyl hexanes from a mixture of isomeric octanes, subjecting said dimethyl hexanes to a dehydrogenating cyclization reaction and blending the product of said reaction with the isomeric octanes from which said dimethyl hexanes were separated.

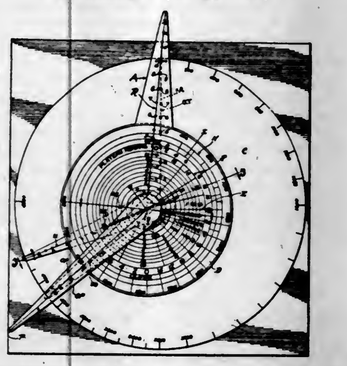
2,363,172
TRUCK BODY MOUNT
John M. Franks, Joplin, Mo.
Application June 5, 1943, Serial No. 489,823
1 Claim. (Cl. 296—35)

In combination with the channel bars forming the side rails of a motor vehicle chassis, and the cross sills of the body, means for mounting the body on the chassis, comprising angle bars fitted against the cross sills and side rails of the chassis, means for securing the angle bars to the cross sills, said angle bars having elongated openings disposed adjacent to the side rails of the chassis, bolts extending through the side rails of the chassis and passing through the elongated openings, adjustably connecting the angle bars to the



chassis, horizontal flanges connecting the lower ends of the flanges of the angle bars, adjusting bolts extending through the horizontal flanges of the angle bars, and clamps connected with the chassis side rails and through which said adjusting bolts extend connecting the angle bars and clamps, and said adjusting bolts adapted to operate to draw the angle bars and body connected therewith, towards the chassis.

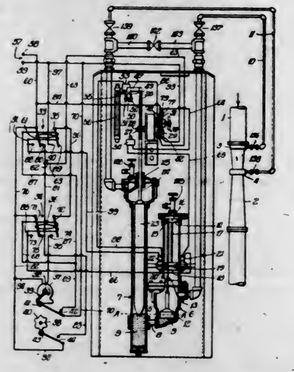
2,363,173
INSTRUMENT FOR COMPUTING FIRING DATA
Norbert L. Fuller, Tampa, Fla.
Application November 4, 1942, Serial No. 464,510
4 Claims. (Cl. 33—75)



1. An instrument for computing data for the firing of guns comprising a fixed protractor of large diameter having mil-calibrations thereon with the center thereof representing the observation post, a movable protractor on the fixed protractor and mounted on a pivot representing the gun position and eccentric with respect to the center of the fixed protractor, means slidably mounting the pivot along a radial line of the fixed protractor, said movable protractor being movable entirely within the confines of said fixed protractor circumference, a line connecting the pivot with the center of the fixed protractor and a line graduated in thousand-yards and connecting the center of the fixed protractor with the zero mil-calibration forming a predetermined angle, an arm pivoted at the center of the fixed protractor having a line graduated in thousand-yards adapted to aline with a mil-calibration corresponding to the known angle formed by lines connecting the aiming point and target with the observation post, a second

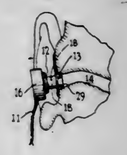
arm mounted on the pivot of the movable protractor and having a line adapted to intersect the line on the first arm at a point thereon corresponding to the range in yards from the aiming point to the observation post, said movable protractor having a radial extension movable over the line on the fixed protractor and provided with a longitudinal line adapted to intersect the line on said fixed protractor at a point corresponding to the range in thousand-yards from the observation post to the target.

2,363,174
ACTUATOR CONTROL
Walter H. Green, Batavia, and Samuel L. Adelson, Chicago, Ill., assignors to Infilco Incorporated, Chicago, Ill., a corporation of Delaware
Application November 4, 1942, Serial No. 464,550
11 Claims. (Cl. 172—239)



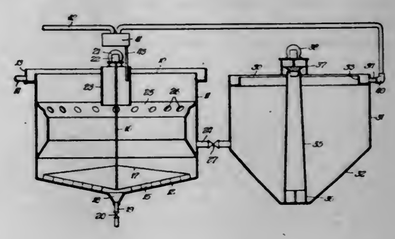
1. In a pressure responsive device which comprises a manometer connected to an external source of pressure, said manometer having a high pressure chamber and a low pressure chamber, an opening affording communication between said chambers and a manometric fluid in said chambers and said communication, the levels of said fluid being responsive to changes in pressure, a plunger member within one of said chambers, power operated means operatively connected to said plunger member to position same in said chamber, switches operatively joined to said power operated means to control the flow of power thereto, said switches being spaced away from the manometric fluid, a float riding on the manometric fluid in one of said chambers, a movable switch operating member so connected to said float as to be positioned by the movement thereof, an interrupter adapted to periodically shut off the flow of power to said power operated means, and means associated with said plunger member for translating its movement to a controlled apparatus, said last mentioned means comprising a Wheatstone bridge circuit, means associated with said plunger member for varying the resistance ratio of two arms of said Wheatstone bridge circuit, and means associated with the controlled apparatus for varying the resistance ratio of the remaining two arms of said Wheatstone bridge circuit to approach and correspond to said first ratio whereby said controlled apparatus approaches and reaches a condition corresponding to the position of said plunger member.

2,363,175
ELECTRICALLY AND ACOUSTICALLY EXCITED HEARING AID
Frederick M. Grossman, New York, N. Y.
Application August 26, 1942, Serial No. 456,162
5 Claims. (Cl. 179—107)



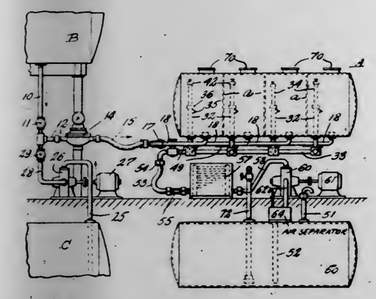
1. An air conduction hearing aid including an electrically controlled sound generator and hollow means associated therewith so that sound generated by said generator is propagated through the interior of said hollow means the free end of which is adapted to be fitted into an external ear canal, characterized by the novel feature that said hollow means are provided between said generator and end with a number, one as a minimum, of side apertures establishing open communication between the interior of said hollow means and the surrounding atmosphere and constituting with said interior an acoustical high pass filter, and that additional means are provided for adjusting the effective area of said apertures.

2,363,176
SEWAGE TREATMENT PROCESS AND APPARATUS
Johanna Gunz, Chicago, Ill., assignor to Infilco Incorporated, a corporation of Delaware
Application August 11, 1941, Serial No. 406,265
10 Claims. (Cl. 210—8)



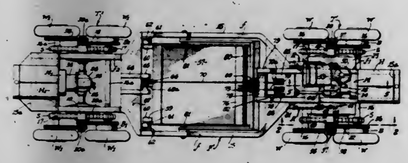
1. In the activated sludge process for treating sewage wherein raw sewage is subjected in sequence to the steps of sedimentation of solids from the raw sewage, aeration of the clarified sewage in admixture with activated sludge and finally sedimentation of solids from the aerated mixed liquor, the improvement which comprises passing raw sewage into a primary sedimentation zone, withdrawing clarified liquid to waste from siad sedimentation zone, withdrawing settled solids to waste from said sedimentation zone, and withdrawing a portion of the sewage containing a very substantial amount of activated sludge solids suspended therein from said sedimentation zone and passing such withdrawn portion with said suspended solids to an aeration zone, aerating and agitating said withdrawn sewage and contained solids in said aeration zone, and returning substantially all of the aerated sewage prior to removing solids therefrom directly back to the primary sedimentation zone.

2,363,177
METHOD AND APPARATUS FOR FILLING PORTABLE TANKS
Joseph B. Haffner, Buffalo, N. Y.; Mary E. Haffner administratrix of said Joseph B. Haffner, deceased
Application September 5, 1940, Serial No. 355,447
18 Claims. (Cl. 62—1)



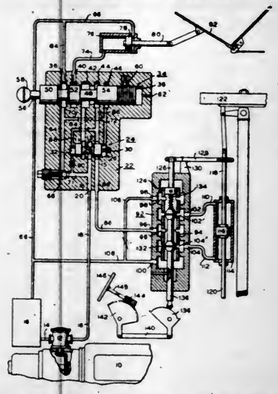
18. Means for filling a portable tank with a volatile liquid, including a valve controlled duct terminating in the bottom of said tank for both inlet and discharge of liquid, and a combined gas and vapor discharge and overflow duct terminating at the upper portion of said tank below the top thereof at a level to determine the quantity of liquid to be filled into said tank, and means for closing said discharge and overflow duct while said tank is in transit.

2,363,178
MOTOR VEHICLE
Henry C. Harbers and Howard F. Cook, Los Angeles, Calif., assignors to Cook Bros., Los Angeles, Calif., a copartnership
Application June 15, 1942, Serial No. 447,034
3 Claims. (Cl. 180—22)



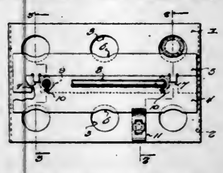
1. In a motor vehicle; a main frame; four traction wheels supporting the rear end of said frame; a prime mover mounted on said frame and projecting beyond said traction wheels; a pair of transversely disposed driven shafts operatively connected with said traction wheels; a differential mechanism interposed between said driven shafts; means connecting the tail shaft of said prime mover with said differential; a four wheel traction unit supporting the front end of said frame; a fifth wheel connecting said unit to the frame and providing a steering arrangement for the vehicle; a second prime mover mounted on said frame and projecting beyond said traction wheels; a pair of transversely disposed driven shafts operatively connected with the last mentioned traction wheels; a second differential mechanism interposed between said driven shafts; and means connecting said driven shafts with the tail shaft of said second prime mover.

2,363,179
POWER TRANSMISSION
Ferris T. Harrington, Detroit, and Kamill Seidel, Grosse Pointe Farms, Mich., and Robert A. Shartle, Rockford, Ill., assignors to Vickers Incorporated, Detroit, Mich., a corporation of Michigan
Application February 21, 1942, Serial No. 431,830
6 Claims. (Cl. 60—97)



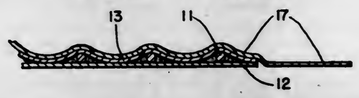
1. In a hydraulic power transmission system the combination of a single pressure source and a plurality of fluid motors operable thereby, individual control valves for each motor, one valve being of the open-center type and arranged to bypass fluid from its inlet to its outlet when in neutral position, means connecting another valve to said source and arranged to normally cut off at least a major portion of the fluid bypassed through the first valve when the second valve is moved to operating position, and means including a pressure responsive valve for cutting off the supply to the second valve and diverting that supply to the first valve and motor whenever the first valve is operated while the second valve is in operating position.

2,363,180
BOTTLE CARRIER
William Haugner, Fond du Lac, Wis.
Application April 28, 1944, Serial No. 533,124
2 Claims. (Cl. 294—87)



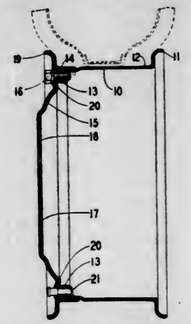
1. A bottle carrier comprising a plate having rows of openings at its edges, down-turned end aprons extending from the plate, a pair of centrally disposed shackle connected bottle-gripping wings having outer notched edges aligned with the plate openings and overlapped inner edges, tongues extending from the inner edges of one wing engaging the associated edge of the other plate, whereby the wings are loosely hinged, the said wings being provided with aligned apertures at their overlapped portions, and a reciprocative handle having legs extending through the wing openings and retaining heads at the ends of the legs.

2,363,181
STRAIN GAUGE
Walter L. Howland, Pasadena, Calif., assignor to Lockheed Aircraft Corporation, Burbank, Calif.
Application July 12, 1943, Serial No. 494,428
12 Claims. (Cl. 201—63)



1. An electrical strain gauge for measuring strain in a body subjected to variable stress comprising a filament of electrical conducting material whose electrical resistance varies as a function of its strain and a sheet of metal foil adhesively bonded to said filament throughout the effective length of said filament.

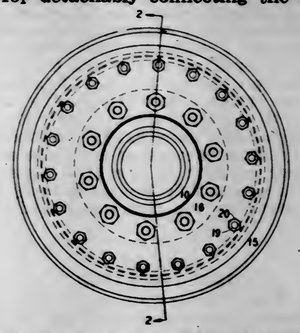
2,363,182
VEHICLE WHEEL
J Harold Hunt and Harry J. Horn, Lansing, Mich., assignors to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan
Application April 6, 1942, Serial No. 437,805
3 Claims. (Cl. 301—63)



1. A wheel comprising a rim member having an integral raised tire bead seat and a tire retaining side flange on one edge thereof, a removable annular raised tire bead seat disposed on said rim member adjacent the other edge thereof, a load carrying disk member juxtaposed to said last named edge of the rim and extending radially outwardly thereof to provide a tire and tire bead seat retaining side flange, one of said members and said removable tire bead seat being constructed and arranged to hold said removable bead seat against axial movement toward said first mentioned edge of said rim, and means for removably securing said disk member to said rim.

2,363,183
VEHICLE WHEEL
J Harold Hunt and Harry J. Horn, Lansing, Mich., assignors to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan
Application April 6, 1942, Serial No. 437,806
11 Claims. (Cl. 301—63)

1. A wheel comprising a rim having an integral tire retaining side flange at one side thereof and an integral raised tire bead seat adjacent said flange, a removable side flange and a removable bead seat positioned upon the opposite side of the rim, a load carrying disk permanently connected to the rim, a retaining disk positioned to engage the outer face of said load carrying disk and the outer face of the removable side flange, and means for detachably connecting the retaining



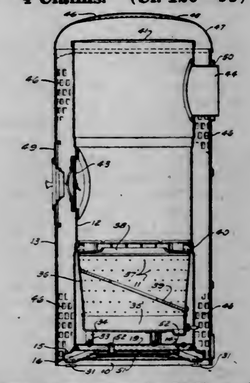
disk to the load carrying disk to lock the removable side flange and bead seat upon the rim.

2,363,184
DOMESTIC APPLIANCE
James W. Jacobs, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application August 31, 1940, Serial No. 355,007
2 Claims. (Cl. 68—133)



1. A washing machine comprising a tub, coaxial shafts, means for differentially rotating said shafts, oblique bearing means secured to one of said shafts, an agitator in said tub rotatably mounted on said bearing means and secured to the other of said shafts.

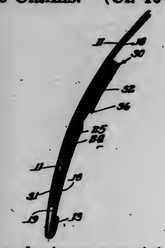
2,363,185
HEATING APPARATUS
Don F. Jones and John W. Miller, Lansing, Mich., assignors to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan
Application April 17, 1941, Serial No. 388,930
4 Claims. (Cl. 126—93)



1. Heating apparatus including, in combination, a tubular outer casing open at its lower end

and having openings in its sides adjacent its lower end, a unitary tubular heat chamber removably disposed within the casing in spaced relation thereto, said heat chamber being open at its lower end, a unitary burner removably disposed in the lower end of the heat chamber, and a one piece pressed metal base detachably secured to the lower ends of the casing and heat chamber and constituting the sole connection therebetween, said base having an opening in the area between the casing and heat chamber and another opening in the area beneath the burner, and a heat reflecting baffle integral with the base overlying the first mentioned opening in the base.

2,363,186
DISPLAY DEVICE
Donald H. King, Chicago, Ill., assignor to Household Finance Corporation, Chicago, Ill., a corporation of Delaware
Application April 25, 1941, Serial No. 390,381
9 Claims. (Cl. 40—12)

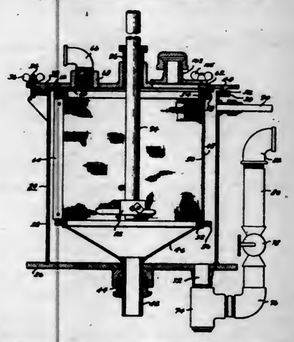


2. A display device comprising a display card for mounting upon a support structure having a generally curved concave surface, said display card being held in concave curved position against the support structure and against the concave curved surface thereof when in mounted position on the support structure, said card having a slot formed therein whereby to provide a pocket between the card and the support structure surface, said slot being formed with portions extending substantially parallel to the generatrix of the curved surface and with juxtaposed portions extending angularly thereto whereby to provide one portion of the card within the pocket area having pressure engagement against the curved support surface, and another card portion, along said slot being spaced slightly from said support surface when the card is in mounted position thereon.

2,363,187
TREATMENT OF HYDROCARBONS
Edwin T. Layng, Jersey City, N. J., assignor to Process Management Company, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application November 25, 1938, Serial No. 242,294
10 Claims. (Cl. 260—683.3)

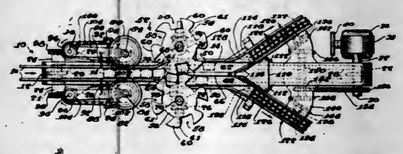
1. A method of changing the carbon-hydrogen ratio of a hydrocarbon which comprises bringing said hydrocarbon at elevated temperature into contact with a catalyst having as an active ingredient thereof chromic oxide formed by heating an oxygen compound of chromium, capable of thermally decomposing to a residue comprising chromic oxide, with a flux comprising an oxygen compound of boron to fuse the mixture of compounds of chromium and boron, heating the resulting fused mass to decompose said compound of chromium to chromic oxide, and washing the residue to remove boron compounds therefrom.

2,363,188
CHEMISTRY
William Paullin McDorman, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application September 25, 1940, Serial No. 358,340
3 Claims. (Cl. 210—183)



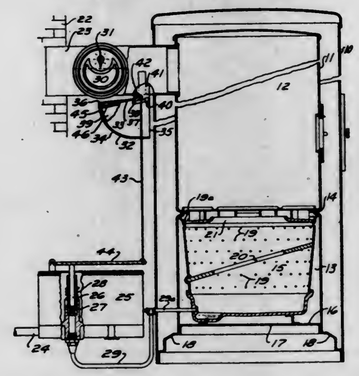
1. A filtering device comprising an inner receptacle having wall portions of filter material, a confining wall portion surrounding and spaced from said wall portions of filter material for receiving any liquid which passes through the filter material, overflow type outlet means for maintaining a level of filtered liquid in said space between the wall portion of filter material and the confining wall portion sufficient to keep the major portion of both sides of the filter material in a wetted condition and for removing the surplus of filtered liquid, an inlet entering said receptacle at a level above the level maintained by said overflow type outlet means, and mechanical agitating means located within said receptacle for mechanically agitating the liquid mixture to be filtered within said receptacle.

2,363,189
CONTAINER SEPARATING APPARATUS
Joseph Magnusson, Quincy, Mass., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass., a corporation of Massachusetts
Application October 18, 1941, Serial No. 415,578
5 Claims. (Cl. 198—31)



1. In a container separating apparatus for use in separating substantially rectangular containers, in combination, means for supporting a plurality of containers in a line, means for advancing said line upon the supporting means, and means operated by engagement of the containers therewith for separating the line of containers to form two lines comprising a pair of cooperating rotatable members having substantially rectangular apertures therein for the reception of the containers in the line arranged to alternately divert successive containers delivered thereto into separate paths, the closed portions of said rotatable members being wedge shaped and adapted to enter between adjacent containers to guide them into their respective apertures, said apertures being of a depth substantially equal to the thickness of a container received therein whereby to effect positive separation of the containers to be discharged into said separate paths free of bodily contact with adjacent containers.

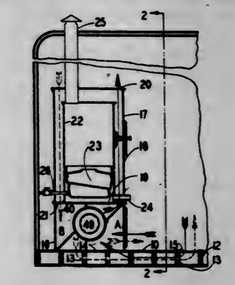
2,363,190
FUEL CONTROL FOR COMBUSTION APPARATUS
John W. Miller and Raymond E. Fell, Lansing, Mich., assignors to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan
Application February 3, 1941, Serial No. 377,116
8 Claims. (Cl. 158—91)



1. Combustion apparatus comprising a liquid fuel burner, a combustion chamber thereabove, a flue outlet from the combustion chamber, an adjustable automatic draft regulator associated with said flue outlet for controlling the draft on the burner, means including an adjustable metering valve for supplying fuel to the burner in regulatable quantities, and mechanism connected to the metering valve and actuated by the draft on the burner for adjusting the metering valve to vary the rate of supply of fuel to the burner in response to variations in the draft on the latter, said means including a housing, a vane pivotally mounted in said housing and dividing the latter into a high pressure section and a low pressure section, said high pressure section being open to the atmosphere and said low pressure section communicating solely with said flue outlet, and mechanism connecting said pivoted vane to said metering valve whereby pivotal movement of said vane adjusts said metering valve.

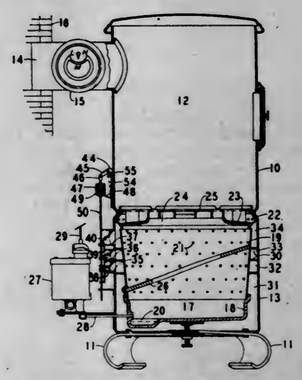
2,363,191
AIR CIRCULATOR
John W. Miller, Lansing, Mich., assignor to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan
Application February 23, 1942, Serial No. 431,991
4 Claims. (Cl. 230—42)

1. An air circulating unit comprising a housing having two spaced apart openings therein, baffle means in said housing between said openings dividing the housing into two compartments each of which communicates with one of said openings, said baffle means including a cylindrical fan casing having an inlet aperture in the side wall thereof adjacent one end communicating with one compartment and an outlet aperture in the side wall thereof adjacent the other end communicating with the other compartment, said inlet and outlet apertures being spaced apart circumferentially of the casing and constituting the only openings of substantial size in said baffle means, a fan in said casing for circulating air



from one compartment to the other through said casing, said casing being rotatable to interchange the positions of said inlet and outlet apertures relative to said compartments and thereby reverse the direction of flow of air between said compartments.

2,363,192
COMBUSTION APPARATUS
John W. Miller, Lansing, Mich., assignor to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan
Original application December 6, 1939, Serial No. 307,734. Divided and this application June 24, 1942, Serial No. 448,275
8 Claims. (Cl. 158—91)



1. Combustion apparatus comprising a burner of the vaporizing pot type having a plurality of vertically separated groups of spaced apart air inlet openings in the side wall thereof, means for delivering fuel to the burner including fuel regulating mechanism, means separate from each other for controlling the admission of air to each of the upper groups of air inlet openings, each of said means comprising an adjustable air regulating valve spaced from the burner side wall and means including a thermostat in heat exchange relation to the combustion apparatus connected to said valves for successively opening the valves in order from the lowermost to the uppermost and for closing the same in the reverse order as the temperature of the burner increases or decreases respectively.

2,363,193
PROCESS OF DEHYDRATING TOMATOES AND THE JUICES THEREOF
Henry J. Moore, Islington, Ontario, Canada
No Drawing. Application June 4, 1942, Serial No. 445,766
4 Claims. (Cl. 99—204)

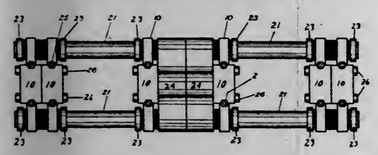
1. A process of dehydrating tomatoes which consists in adding an edible substance in powdered form including gelatine powder, to the tomatoes, and thereafter subjecting them to a moderate dry heat.

2,363,194
ATTACHING CLIP FOR CONTROL KNOBS
John Nirdlinger, Detroit, Mich., assignor to Detrola Corporation, Detroit, Mich., a corporation of Michigan
Application October 25, 1943, Serial No. 507,638
1 Claim. (Cl. 287—53)



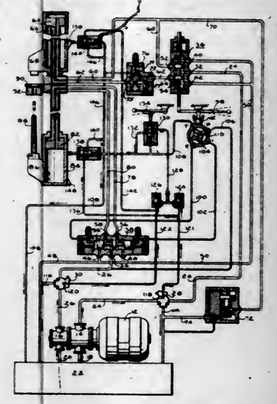
In the combination of a shaft having a serrated end and control handle for rotating same, a substantially flat sheet metal spring clip seated in said handle so as to be rotatably fixed with respect thereto, a pair of ears struck out from one surface thereof, said ears being oppositely inclined with respect to each other and disposed in a direction between radial and tangential relative to said shaft, and the outer free end edges of said ears having bearing relation against the serrated end of said shaft for exerting a biasing force thereagainst, and an ear struck out from the other surface thereof for engaging the handle so as to prevent easy removal of said clip from said handle.

2,363,195
MANUFACTURE OF MACHINE TOOLS
Kenneth William Nolan, North Perth, Western Australia, Australia
Application April 21, 1942, Serial No. 439,943
In Australia June 9, 1941
9 Claims. (Cl. 82—32)



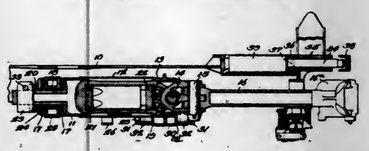
1. Improvements in machine tools comprising the combination of precision built links having holes therein in precision alignment, two pairs of parallel precision shafts fitted in the holes in the links, said shafts being of smaller diameter than said holes, adjusting and locking means for centralizing the shafts in the holes and locking the shafts to the links, one or more three-hole precision links adapted to slide on the shafts of one pair and having a third hole for use as a bearing for a revolving tool shaft or dead shaft, links on each side of and secured to the three-hole link or links, and a distance member with two parallel end faces held in position on the other pair of shafts by certain of said links.

2,363,196
POWER TRANSMISSION
Hugh C. Nye, Detroit, Mich., assignor to Vickers Incorporated, Detroit, Mich., a corporation of Michigan
Application March 8, 1940, Serial No. 322,963
8 Claims. (Cl. 60—52)



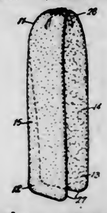
1. In a hydraulic power transmission system having a plurality of fluid motors, a plurality of pumps and separate connections for supplying fluid from each pump to each of said motors, respectively, individual pilot-operated means for unloading each pump, and a pilot valve controlled by movement of one motor to a predetermined position for controlling the unloading means of a pump supplying fluid to another motor.

2,363,197
RAILROAD CAR DRAFT GEAR AND BUFFER STEM MOUNTING
Karl F. Nystrom and Vernon L. Green, Milwaukee, Wis.
Application May 15, 1943, Serial No. 487,414
13 Claims. (Cl. 213—50)



13. In the draft gear and buffer stem construction of a railroad passenger car provided with a center sill and a platform casting having a cored depending bulkhead, the combination of a draft gear assembly; a support casting for the forepart of the assembly adapted to fit into the center sill of the car, the bottom of the casting having extensions at opposite sides, arranged beneath the center sill, adapted to extend toward opposite sides of the center sill and said extensions provided with openings extending therethrough; spaced collars secured to the center sill and arranged at opposite ends of said casting extensions; removable pins disposed through said collars and said casting extensions for removably securing the support casting in place; a tail piece at the rear end of the draft gear assembly provided with a rearwardly disposed spindle disposed through the cored opening in the bulkhead, the rear end of said spindle being provided with a follower plate and a draft key disposed through the spindle; an enclosing shell for the draft gear secured to said support casting and to said tail piece; and means disposed about said support pins and between the tail piece, its spindle and the bulkhead and between said rear follower plate and the bulkhead, whereby the draft gear assembly is insulated from the car.

2,363,198
TURBAN AND METHOD OF FABRICATION
Seymour Paull, Chicago, Ill.
Application February 19, 1943, Serial No. 476,381
5 Claims. (Cl. 2—198)



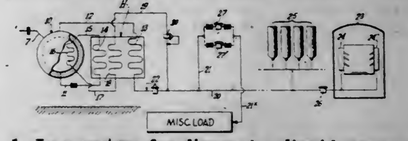
1. A reversible turban comprising a cowl and two opposed trailing portions formed from two symmetrical sheets of fabric cut into substantially rectangular form, with a deep slot running from the bottom edge upward in the middle of the sheet and a shallow notch cut downward from the top edge in the middle of the sheet, the sheets being stitched together along their bottom and side edges, the top edges of each sheet being doubled over along the middle of the sheet and each sheet stitched to itself along the top edge and the edges of the notch to form a pocket in each sheet, and the pocket in the one sheet turned within the pocket of the other sheet to form a cowl.

2,363,199
BOX-FILLER CONSTRUCTION
Noel A. Petter, Los Angeles, Calif.
Application July 6, 1942, Serial No. 449,845
2 Claims. (Cl. 217—31)



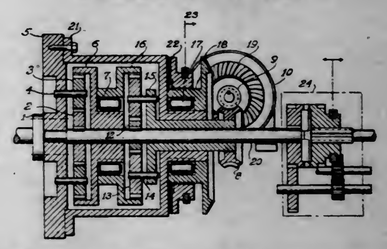
1. In a box-filler construction composed of laterally interlocking strips, the combination of a first set of substantially parallel unattached strips, each strip having a plurality of equidistant openings therethrough, each of said openings having a laterally disposed throat leading into the same from the interlocking edge of the strip with a spur at the side of said throat projecting inwardly with a recess in the edge of the opening located at the side of the spur remote from the throat, said opening also having an inclined edge extending down from the throat at one side of the same and another edge cooperating with the same to produce a notch forming a socket in alignment with said recess; each of said openings having a lateral recess located between said first-named recess and said last-named notch on the same side of the throat as said spur, and a second set of freely movable unattached strips extending transversely to the first strips having equidistant pairs of notches to cooperate with the said openings, each of said pairs of notches including a relatively deep inner notch in its interlocking edge and a relatively small notch in its outer edge, said inclined edge of the opening operating as a guide to guide the edge of the relatively deep notch of the transverse strip down into the socket so that the upper notch will rest in the throat opposite the spur and be capable of engaging the same, each of said first-named strips and its corresponding transverse strip cooperating to enable the transverse strips to be bulged laterally into the said lateral recesses, thereby enabling the outer edge of each transverse strip to move under and past the spur so as to seat in the recess back of the spur.

2,363,200
APPARATUS FOR DISPENSING GAS MATERIAL
Paul B. Pew, Garden City, and Philip K. Rice, Kenmore, N. Y., assignors to The Linde Air Products Company, New York, N. Y., a corporation of Ohio
Application August 6, 1941, Serial No. 405,600
18 Claims. (Cl. 62—1)



1. In a system for dispensing liquid oxygen and distributing the same as gas to consuming devices comprising at least one which constitutes a load of intermittent character having a known maximum and one or more others forming a miscellaneous load, the combination with a container for holding and storing liquid oxygen, of a service connection including a heat receiving section leading therefrom to said intermittent load, a gas phase receiver connected to said service connection, said service connection being provided with a pressure regulator adjacent said intermittent load, a second service connection for supplying said miscellaneous load leading from a point of communication with said first service connection between said heat receiving section and said pressure regulator, said second connection including pressure regulating means, a liquid supply conduit means including a heat receiving section leading from said container and communicating with one of said service connections whereby material converted into the gas phase may be supplied directly to the corresponding service connection, and automatic means associated with said conduit means responsive to downstream pressure for regulating the passage of gas therethrough.

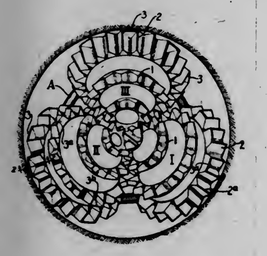
2,363,201
VARIABLE SPEED EPICYCLIC GEAR TRANSMISSION
John Peter Popoff, Milwaukee, Wis.
Application March 17, 1943, Serial No. 479,421
3 Claims. (Cl. 74—282)



1. A planetary variable speed transmission for motor vehicles consisting of a main epicyclic gear train of a certain velocity ratio and of an aux-

iliary epicyclic gear train of a different velocity ratio, each epicyclic gear train consisting of a driving member, a driven member and a controlling member, said driving members connected to a main and an auxiliary source of motive power respectively, said driven members connected to the driven shaft of the transmission, said floating members connected to one another by means of a one-way clutch, a hypoid bevel gearing and a plate clutch, means operatively connecting said auxiliary source of power to the vehicle's engine through said bevel gearing and plate clutch to start the engine from rest.

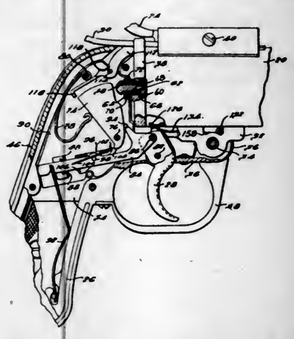
2,363,202
TEETH FOR DRILL CUTTERS
Floyd L. Scott, Houston, Tex., assignor to Hughes Tool Company, Houston, Tex., a corporation of Delaware
Application July 19, 1943, Serial No. 495,280
7 Claims. (Cl. 255—71)



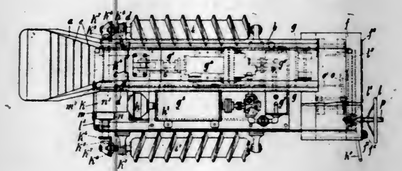
1. In a roller well drill having rotatably mounted thereon a plurality of approximately conical shaped cutters positioned with their apices inclined downwardly and adapted to rotate on their axes, said cutters having a plurality of circumferential rows of chisel-shaped teeth thereon with the crests thereof extending lengthwise of the cutter and in planes radial to the cutter axis, said rows being spaced apart and, the teeth on all the cutters together, serving to cut the full bottom of the hole; the combination of circumferentially extending webs connecting pairs of adjacent teeth in a row together at one of their corresponding ends to form separate cutting units in the row separated from the adjacent unit on either side in the same row by a space for passage of fluid, said webs acting to reinforce said teeth and also to assist in cutting the bottom of the hole.

2,363,203
FLARE PISTOL
John M. Sherrer, Glen R. Severance, and Ephraim S. Huntington, Detroit, Mich., assignors to Eureka Vacuum Cleaner Company, Detroit, Mich., a corporation of Michigan
Original application June 29, 1942, Serial No. 448,920. Divided and this application August 14, 1943, Serial No. 498,910
5 Claims. (Cl. 42—69)

1. Firing mechanism for a gun comprising a breech block, a firing pin operatively associated with said breech block, a hammer adapted to strike said firing pin for actuating the same, a pivot for said hammer, a hammer spring acting on said hammer, a trigger slide having a member thereon, a trigger connected to said slide, a spring resisting movement of said slide by said trigger in one direction and adapted normally to position said trigger and slide, said member on said slide, upon movement thereof in said direction by said trigger, being engageable with a part of said hammer for retracting the same against the tension of said hammer spring and upon further movement in the same direction being adapted to release said hammer thereby permitting said hammer spring to expand and cause the hammer to strike the firing pin, and an arm on said trigger slide engageable with said hammer for moving the same out of contact with said firing pin and against said hammer spring when the trigger after being released is moved in the opposite direction by said spring.



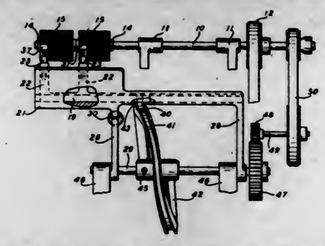
2,363,204
LOADING APPARATUS
Vaclav Smely, Pelton, England
Application June 21, 1941, Serial No. 399,195
In Great Britain June 22, 1940
3 Claims. (Cl. 198—14)



1. In a loading device, the combination of a framework, a duck-bill loader carried thereby, a hydraulic engine for operating the duck-bill with a rapid acceleration against the flow of material, a pump supplying fluid to said engine, a shaking conveyor arranged transversely of the duck-bill for receiving material from the duck-bill and discharging it from the loader, mechanical means for moving the loader from place to place, and power means for operating said mechanical means and the pump supplying the hydraulic motor.

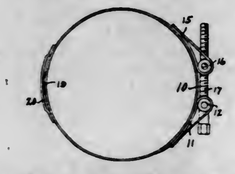
2,363,205
STRAND HANDLING APPARATUS
Charles C. Smith, Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application June 23, 1943, Serial No. 491,966
16 Claims. (Cl. 242—42)

1. A strand handling apparatus comprising a rotatable support upon which a plurality of strands may be wound into a package, a distributor element movable relative to the support to distribute the strands thereon, and means cooperating with the element to cause the strands



to travel in transverse directions to the element and in engagement with each other to cause roughening of the strands.

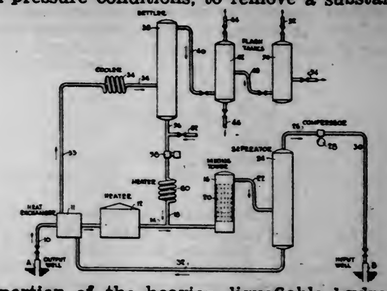
2,363,206
TIE FOR HOSE CLAMPS
Verner E. Sprouse, Columbus, Ind.
Application February 4, 1944, Serial No. 521,016
4 Claims. (Cl. 24—19)



3. A hose clamp comprising a band having a longitudinal slot through a length thereof; a reduced width portion of the band beyond said slot forming a tongue; said band and tongue being rolled and lapped upon itself to have the tongue carried from the inside to the outside of the band through said slot; a terminal clamp end on each end of said band; means for pulling said ends one toward the other to set up circumferential, relative travel between said tongue and the balance of said band; and a tie across said slot interconnecting the band portions on each side thereof, said tie being offset from said portions to pass across the outer side of said tongue to position the inner side of the tongue in substantially the same plane as that of the inner sides of said portions; and a strap secured by its ends to the outer side of said tongue to extend slidingly over said tie, said strap ends being normally spaced from said tie; said tie being located at substantially the longitudinal center of said slot, and said band portions each being approximately half the width of said tongue.

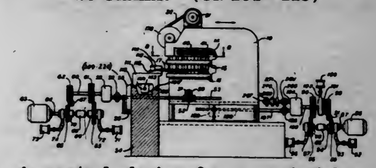
2,363,207
PRODUCTION OF DISTILLATE
William M. Stratford, New York, N. Y., assignor, by mesne assignments, to The Texas Company, New York, N. Y., a corporation of Delaware
Application May 8, 1941, Serial No. 392,538
7 Claims. (Cl. 183—114.6)

1. The process of recovering heavier, liquefiable hydrocarbons from a hydrocarbon mixture flowed at a high temperature and pressure from a well tapping a distillate reservoir, which comprises passing hydrocarbons of said mixture under high temperature and pressure conditions within the critical region for said hydrocarbons and such that the hydrocarbons are substantially entirely in a single homogeneous gas phase into intimate absorbing relationship with an essentially aqueous medium having solvent properties for the desired hydrocarbons under said high temperature and pressure conditions, to remove a substantial



proportion of the heavier, liquefiable hydrocarbons and leave the greater part of the remainder of said hydrocarbons in said homogeneous gas phase.

2,363,208
CONTROL DEVICE
John H. Sulzer, Union Beach, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application November 12, 1942, Serial No. 465,382
26 Claims. (Cl. 164—115)



1. A control device for a material working machine having a turret of operable material working tools, means to select one of the plurality of tools, a carriage for material and mechanism operable to cause relative movement of the carriage and the turret of tools, the control device comprising an element adapted to cause the operable mechanism to move the carriage a given distance in one direction and to move the tools a given distance in another direction to position the selected tool adjacent a given point of the material, and means to cause actuation of the selected tool.

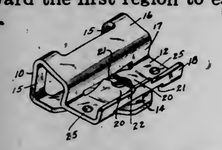
2,363,209
ISOMERIZATION OF TERPHENYLS
Robert D. Swisher, Winchester, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application August 31, 1942, Serial No. 456,793
16 Claims. (Cl. 260—668)

1. The method of isomerizing terphenyls which comprises reacting a substance selected from the group consisting of terphenyls and mixtures of isomeric terphenyls with an anhydrous aluminum halide.

2,363,210
FASTENING DEVICE
George A. Tinnerman, Cleveland, Ohio, assignor to Tinnerman Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application October 12, 1943, Serial No. 505,951
7 Claims. (Cl. 85—36)

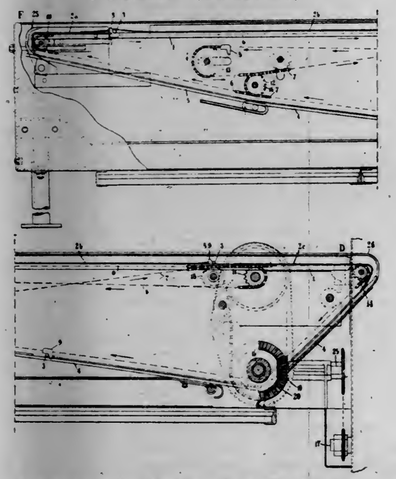
1. A fastener adapted to embrace a member having an edge rib comprising a strip of resilient

material bent to provide the following regions connected in series; first, a region to engage the face of the member; second, a region extending entirely on one side of the first region to project beyond the rib; third, a substantially flat region inclining toward the first region to extend across



the edge of the rib; fourth, a region to extend toward the first region; and, fifth, a region substantially parallel with the first region, the first and fifth regions having registering bolt openings through them and one of them being deformed about the opening to provide a bolt-engager.

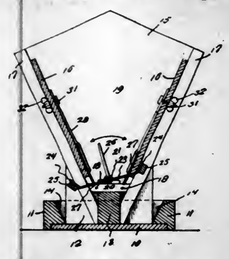
2,363,211
FEEDING OF BISCUITS OR OTHER SWEETMEATS TO CHOCOLATE ENROBING MACHINES AND THE LIKE
Allan Ashmead Tunley, Peterborough, England, assignor to Baker Perkins Limited, Peterborough, England
Application September 11, 1942, Serial No. 458,044
In Great Britain September 24, 1941
6 Claims. (Cl. 107—7)



1. Apparatus for feeding biscuits from an oven or other source of supply to a coating machine comprising a series of batching aprons mounted to travel through a closed circuit, said aprons adapted to receive biscuits from the supply and deliver them to the coating machine, means for driving the aprons at one rate whilst receiving biscuits, and means for driving the aprons at a higher rate to separate a filled apron from the following apron and while being discharged.

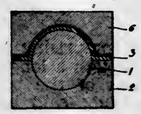
2,363,212
STOCK FEEDER
Martin H. Wagner, Aplington, Iowa
Application October 27, 1943, Serial No. 507,835
1 Claim. (Cl. 119—53.5)

A feeder of the kind described, comprising a base having a center partition therein dividing it into opposed separated troughs, a hopper rising from the base and saddling the partition and having lower passages coextensive with the troughs for communication therewith, a turning shaft journaled horizontally in the hopper centrally



above the partition and having a plurality of spaced upstanding tines forming agitator members within the hopper, and means extending from the shaft in overhanging relation to the troughs for nosing action by animals for the rocking of said shaft.

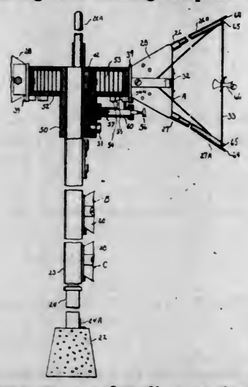
2,363,213
MOLD
Edward H. Wallace, Detroit, Mich., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application January 10, 1942, Serial No. 426,337
5 Claims. (Cl. 18—47)



1. A mold comprising, a layer of resilient material one surface of which forms the mold face, a multiplicity of irregularly shaped projections of resilient material extending from the opposite surface of the resilient layer and a backing of rigid material contacting the said opposite surface of the resilient layer, said irregularly shaped projections being embedded in the rigid material and locking the backing to the resilient layer.

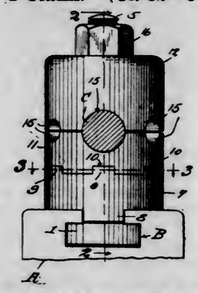
2,363,214
TRAIN ORDER HOLDING DEVICE
Wiley L. White and Walter L. White, Calwa, Calif.; said Walter L. White assignor to Wiley L. White
Application October 14, 1941, Serial No. 414,972
2 Claims. (Cl. 258—2)

2. A device of the character described comprising a support, a drum rotatingly attached to the support, spring means for rotating the drum, a plurality of message holder assemblies, each assembly consisting of two arms pivotally hinged at one end to a plate, the two arms being adapted to be moved on the pivotal connection to angular relation with each other and on an approximately straight line with relation to each other, spring means adapted to normally return said arms from the angular position to the straight line position, means for attaching the plate and assembly to the periphery of the drum, a string yieldingly attached to the ends of the arms, the string being of such length that it is taut when the arms are at angular relation with each other, means for attaching a message to said string, means for locking the drum at selective positions during rotation consisting of lugs attached to the drum spaced distances apart and concentric with the drum, a sliding stop attached to the support and adapted to slide within the path of travel of the lugs, said sliding stop being adapted to engage any one of said lugs, spring means adapted for holding the sliding stop in engagement



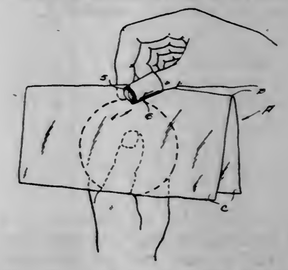
with the lugs, means for disengaging the sliding stop with the lugs consisting of a plunger attached to the sliding stop, one arm of each message holder assembly being adapted to engage the plunger when the arms of said assembly assume a straight line relationship.

2,363,215
HOLDER FOR BORING BARS
Loraine L. Williams, Pulaski, Va.
Application December 18, 1942, Serial No. 469,491
1 Claim. (Cl. 82—37)



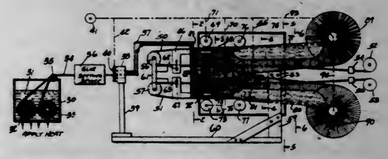
In a boring bar holder for lathes, a key shaped to be received and held against rotation in the slot of the compound rest of a lathe, a threaded stem on the key, a post threaded on the stem and having a diametrical opening for the reception of a boring bar, a base slidably and rotatably mounted on the post, means on the base for insertion into the slot, to hold the base against rotation on the compound rest, upper and lower bar-clamping members rotatably and slidably mounted on the post, said members cooperating to provide regularly spaced openings therebetween arranged in pairs, the openings of each pair being diametrically opposed and of a size differing from the openings of the other pairs, the pairs of openings between the clamping members being shaped to receive boring bars of different diameters, means carried by the post for moving the upper clamping member toward the lower clamping member, to bind a boring bar in a selected pair of openings and cooperating, circumferentially-arranged lugs and recesses on the lower clamping member and on the base, and holding the upper clamping member against rotation with respect to the lower clamping member, said lugs and recesses, the key, and a bar which may be placed in a selected pair of openings, giving the upper clamping member an anchorage in the slot af lathe rest, against rotation.

2,363,216
FINGER COT
Gene B. Wong, Newcastle, Calif.
Application January 29, 1944, Serial No. 520,292
2 Claims. (Cl. 294—25)



1. A thumbner comprising a tubular body formed from a sheet of rubber having its side edges spaced from each other to provide the body with a channel extending the full length of the body and open at both ends thereof, and a second sheet of rubber extending along the body the full length thereof in bridging relation to said channel and adheringly secured flat against the outer surface of first sheet at opposite sides of the channel.

2,363,217
PROCESS FOR MAKING BRUSH ELEMENTS
George V. Woodling, Cleveland, Ohio
Application March 13, 1942, Serial No. 434,459
12 Claims. (Cl. 300—21)

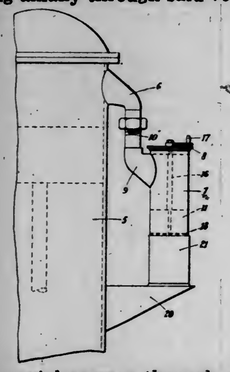


2. A process for making a brush element comprising the steps of impregnating a continuous elongated cord with glue, winding the impregnated cord in closed loops, side-by-side, about two spaced elongated anchoring strips, anchoring the loops to the anchoring strips, severing the loops intermediate the anchoring strips, and winding each of the anchoring strips with the bristles anchored thereto in a helix.

2,363,218
APPARATUS FOR CANNING SKINLESS SAUSAGES
William Muir Yuill, Edinburgh, Scotland
Application September 5, 1941, Serial No. 409,670
In Great Britain May 29, 1941
4 Claims. (Cl. 17—32)

1. Means for filling a receptacle with a plurality of casingless sausages from a food press comprising a vessel open at one end and having a chamber at its other end adapted for connection to the interior of the food press, a meat

divider filling a portion of said vessel at the open end thereof, the end face of said meat divider being similar in size and shape to the open end of the receptacle to be filled, a plurality of parallel open-ended passages extending through said divider in the direction of its axis, a central spindle extending axially through said vessel and ro-



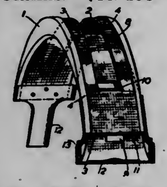
tatable in an axial passage through said divider, a cutter fixed to one end of said spindle and movable across the outer end face of said divider, means for turning said spindle, and means for supporting the receptacle with its rim held against the surrounding rim forming the open end of said vessel.

2,363,219

AMMUNITION CHUTE

Henry Adamson, London, England, assignor to Celanese Corporation of America, a corporation of Delaware

Application July 11, 1941, Serial No. 401,946
In Great Britain June 25, 1940
5 Claims. (Cl. 193—2)



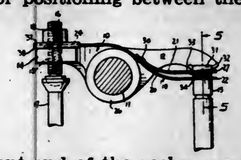
2. Machine-gun belt chute comprising an arched channel, the inner and outer walls of which are formed of plastic sheet material having wire mesh embedded therein and the end walls of plastic material autogenously secured to the edges of said inner and outer walls, said wire mesh imparting slight ridges to the inner surfaces of the channel.

2,363,220

SILENCING MEANS FOR VALVE STRUCTURES

Joseph Alcorn, Seminole, Okla.
Application July 14, 1943, Serial No. 494,656
2 Claims. (Cl. 123—90)

1. In a device of the kind described for mounting upon a conventional medially pivoted rocker arm of an internal combustion engine, for silencing the operation of a valve thereof, the said rocker arm being adapted at one end for operating the valve stem of the valve and at the opposite end for engaging the conventional tappet by means of an adjustment screw threadedly passed through that end of the rocker arm, and the said adjustment screw carrying a set nut, an elongated flat spring provided with divergent branches at one end for positioning between the valve stem



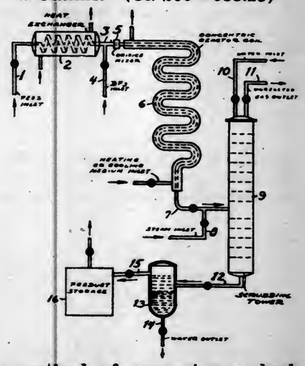
and adjacent end of the rocker arm for biasing these elements oppositely, the opposite end of said spring including a flat and longitudinally slotted mounting portion adapted to engage the said adjustment screw beneath the set nut thereof, and means for adjustably securing this end of the spring in place against longitudinal slippage.

2,363,221

POLYMERIZATION OF HYDROCARBONS

Lewis A. Bannon, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware

Application December 15, 1942, Serial No. 469,049
2 Claims. (Cl. 260—683.15)



1. The method of preparing a hydrocarbon product containing a major proportion of triisobutylene which comprises exposing a hydrocarbon material, comprising chiefly C_4 hydrocarbons and containing substantial quantities of isobutylene, in the gaseous phase with about 0.1 to about 1.0% by weight of gaseous boron fluoride for a period of less than one second at a reaction temperature from about room temperature to about 100 to 150° C., contacting the reaction product so formed with a material, which renders the boron fluoride immediately inactive as a catalyst, and separating the said material from the hydrocarbon reaction product.

2,363,222

CATALYTIC ALKYLATION

Fred J. Beyerstedt, Plainfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

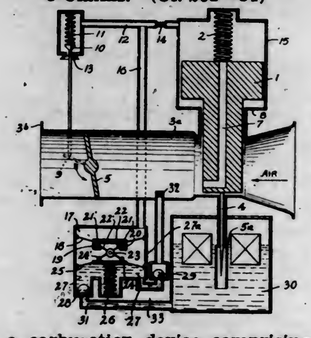
No Drawing. Application August 12, 1939, Serial No. 289,786
19 Claims. (Cl. 260—683.4)

16. A process of alkylating an isoparaffin with an olefin which comprises reacting said isoparaffin with said olefin under alkylating conditions of operation in the presence of a catalyst of alkylation strength prepared by adding boron fluoride to phosphoric acid.

2,363,223

CARBURETOR

Claude Etienne Bonnier, Neuilly-sur-Seine, France; vested in the Alien Property Custodian
Application May 5, 1942, Serial No. 441,859
In France May 15, 1941
3 Claims. (Cl. 261—34)



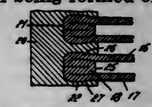
3. In a carburetion device comprising a connection piping to the engine for the passage of the carbureted air, a fuel jet nozzle opening into the said piping and a fuel reservoir for supplying this jet nozzle with fuel, a throttle for controlling the passage of the carbureted air towards the engine, a valve for controlling the quantity of atmospheric air entering into the said piping, a piston integral with the said valve, a cylinder in which the said piston moves in opposition to a spring, a canal in the body of the valve for allowing the cylinder to communicate with the said piping between the said throttle and the said valve, so that the partial vacuum prevailing in the said piping is communicated through the said canal to the said cylinder in order to open the air admission port, an additional jet nozzle opening into the said piping, a casing comprising two diaphragms the edges of which are fixed into this casing and which divide the volume of the said casing into three chambers, one of the diaphragms constituting together with the corresponding end chamber a suction and compression pump the suction end of which is connected to the said reservoir and the compression end of which is connected to the said additional jet nozzle and being connected to elastic means for automatically bringing about the suction stroke of the said diaphragm, the intermediate chamber between the two diaphragms being connected to the atmosphere and the second diaphragm to the other end chamber of the casing constituting a partial-vacuum motive unit, connection means for transmitting to the said partial-vacuum motive unit the partial-vacuum created by the engine in the said piping when an increase in load occurs and mechanical connection means between the two diaphragms, arranged in the intermediate chamber so that the pump diaphragm is pushed away in opposition to the said elastic means thereby driving the fuel towards the additional jet nozzle when the diaphragm of the partial-vacuum motive unit is sucked in, a connection conduit for transmitting to the said partial-vacuum motive unit the partial vacuum created by the engine in the said cylinder.

2,363,224

METHOD OF FORMING AND APPLYING COOLING FINS TO TUBULAR MEMBERS

Wilhelm B. Bronander, Montclair, N. J.
Application August 20, 1942, Serial No. 455,451
5 Claims. (Cl. 29—157.3)

1. The method of forming and securing a radiating fin to a member which consists of forming a strip of material intermediate the longitudinal edges thereof to form substantially parallel connected walls, forming a groove in the member, inserting the closed edge of the double walled fin in said groove, the inner connected edge of the double walled fin being formed of folded material

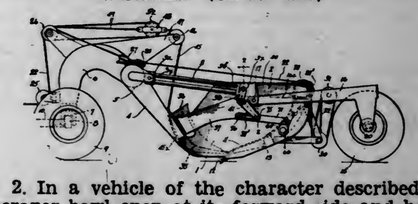


integral therewith and folded back against the walls and substantially filling the space between the walls at the inner edge thereof, and forcing the inner portions of said fin walls laterally into tight gripping engagement with the walls of the groove by pressure against said folded material between the fin walls and between the bottom of the groove and inwardly acting pressure means.

2,363,225

LOAD CARRYING SCRAPER

Ivan H. Brown and George S. Allin, Seattle, Wash.
Application December 23, 1942, Serial No. 469,874
2 Claims. (Cl. 37—126)



2. In a vehicle of the character described, a scraper bowl open at its forward side and having opposite side walls and an upwardly and rearwardly sloping bottom wall, a gate for the open side of the bowl, bell crank levers pivoted on the side walls with ends fixed to the gate to support it for swinging movement between open and closed positions, an ejector plate resting at its lower edge in sliding contact with the bottom wall, a cross shaft revolubly mounted in the bowl back of the ejector plate, lever arms fixed to the cross shaft and pivoted to the ejector plate near its top edge for its support and actuation, operating levers fixed to the cross shaft, links joining the levers with the other arms of the bell cranks, and including lost motion connections therein whereby the cross shaft will be rotated incident to opening movement of the gate beyond a predetermined partially open position to actuate the ejector downwardly along the bottom wall and whereby the ejector will be retracted with the return of the gate to fully closed position, and means for raising and lowering the gate.

2,363,226

METHODS OF MAKING WALL PLATES AND THE LIKE

Johan Albert Brund, Harnosand, Sweden, assignor to Svenska Cellulosa Aktiebolaget, Stockholm, Sweden, a corporation of Sweden
Application December 21, 1943, Serial No. 515,158
In Sweden January 8, 1943
19 Claims. (Cl. 25—155)

1. In the manufacture of wall plates, wall coats and other articles and structures that are made, wholly or in part, of a plaster or mortar hardening on drying, the herein described method which comprises using a plaster or mortar hardening under the influences of carbon dioxide, and hardening said plaster or mortar by subjecting

it on different sides to a moist atmosphere containing carbon dioxide, and an atmosphere of sufficiently low relative humidity to cause evap-



oration of water from the plaster or mortar on that side thereof subjected to this last-mentioned atmosphere.

2,363,227

FERMENTATION PROCESS FOR THE PRODUCTION OF RIBOFLAVIN (VITAMIN B_2)

Paul R. Burkholder, New Haven, Conn., assignor to Research Corporation, New York, N. Y., a corporation of New York

No Drawing. Application April 13, 1943, Serial No. 482,932

11 Claims. (Cl. 195—92)

1. Process for the production of riboflavin which comprises growing the yeast species *Candida guilliermondia* upon a medium having a pH value of from about 3.0 to 7.5 containing a sugar of the group consisting of dextrose, sucrose, levulose, mannose and corn syrup, biotin, a water-soluble phosphate, a nitrogenous nutrient of the group consisting of ammonium and asparagine, and mineral salts including elements of the group consisting of K, Mg, S, Ca, I, B, Mn, Zn, Cu, Mo and Fe at a temperature of from about 25° C. to about 35° C. in the presence of oxygen and under partial exclusion of light.

2,363,228

CABLE TENSION REGULATOR

John W. Cade, La Canada, Calif., assignor to Sturgess, Inc., Glendale, Calif., a corporation of California

Application February 7, 1944, Serial No. 521,389

14 Claims. (Cl. 74—501)



1. In a cable tension regulator of the character described, an elongated guide member, a block member slidable along said guide member, and said block member being of a length adapted when canted relative to the guide member to bind on the guide member and thus become locked against sliding movement until uncanted, means for connecting a pair of cables to one of the members respectively at points laterally spaced from the center of said guide member so that an unequal pull on said cables will cant said members relatively for locking them against relative sliding movement.

2,363,229

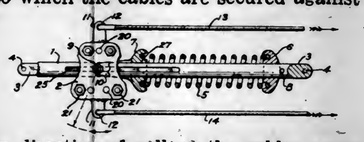
CABLE TENSION REGULATOR

John W. Cade, La Canada, Calif., assignor to Sturgess, Inc., Glendale, Calif., a corporation of California

Application March 17, 1944, Serial No. 526,863

12 Claims. (Cl. 74—501)

1. In a cable tension regulator of the character described, comprising a bar-like member with a block-like member relatively slidable along the bar-like member, spring means urging the members to slide relatively, means for anchoring one of said members, and means adapted for connecting a pair of control cables to the other one of said members respectively at points spaced outward at opposite sides of the longitudinal center line of said bar-like member whereby an unequal pull on said cables will tend to tilt the members relatively, means for locking the member to which the cables are secured against slid-



ing in direction of pull on the cables comprising a locking plate carried by the block-like member presenting an edge against the bar-like member in a manner to engage and lock with the same when the block-like member and the bar-like member are tilted relatively, said plate being normally disposed at a tilted angle relative to the bar-like member but insufficient to lock therewith when the members are not tilted relatively.

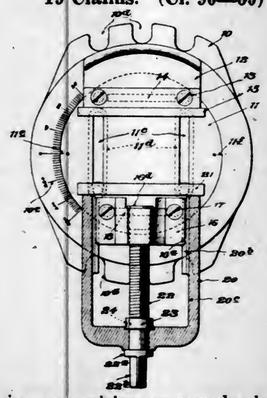
2,363,230

VISE

Robert S. Condon, Rutland, and William Harry Williams, Poultney, Vt.

Application December 9, 1942, Serial No. 468,402

19 Claims. (Cl. 90—60)



1. A vise, comprising an annular base ring having an internal annular shoulder; a swivel plate disposed within the base ring having an external annular shoulder and having parallel guide slots therein engaging the first named shoulder; a fixed jaw on the swivel plate; a bracket on the swivel plate; said jaw and bracket positioning the swivel plate in the ring while permitting free rotation of the plate therein; a sliding jaw slidably mounted on the bracket and having projections entering said parallel guide slots; and means for shifting the sliding jaw on the bracket.

2,363,231

USING CRACKING CATALYSTS

Gerald C. Connolly, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application April 5, 1938, Serial No. 200,271

1 Claim. (Cl. 196—52)

In a method of cracking hydrocarbon oils to produce motor fuel therefrom by passing oil at cracking temperature in contact with a synthetic cracking catalyst; the steps of preparing said catalyst which comprise commingling a solution of sodium silicate and an inorganic acid, the amount of acid employed being in excess of that necessary to react with said sodium silicate to thereby form a clear silica hydrosol, causing said hydrosol to coagulate into a firm hydrogel, thereafter washing the hydrogel substantially free of reaction impurities, incorporating alumina having a capillary structure into the hydrogel so formed and subsequently drying the resulting mixture of silica and alumina.

2,363,232

PROCESSES OF AND COMPOSITIONS FOR PROTECTIVELY COATING FRESH FRUITS OR VEGETABLES

Charles De Witt Cothran, Pomona, Calif., assignor, by mesne assignments, to Brogdex Company, a corporation of California

No Drawing. Original application September 13, 1934, Serial No. 743,924. Divided and this application September 8, 1941, Serial No. 410,099

12 Claims. (Cl. 99—168)

1. A thinly fluid aqueous emulsion useful for protectively coating fresh fruits or vegetables against withering or shrinkage, which comprises 1 to 10 parts of waxy material emulsified with less than 5 parts of an amine soap, together with water sufficient to make 100 parts, all parts being by weight; said emulsion comprising substantially no free oil, and being free of components injurious to fruits and vegetables or otherwise adversely affecting marketability thereof.

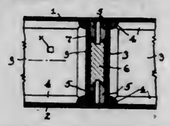
2,363,233

STRUCTURAL UNIT

George F. Dalton, II, Cleveland Heights, Ohio

Application October 21, 1943, Serial No. 507,116

4 Claims. (Cl. 20—91)



1. A structural unit comprising spaced substantially parallel relatively thin sheets, thin spacer members extending transversely between said sheets, said spacer members being positioned inwardly of and adjacent to and extending along the transverse edges of said sheets, fillet members in the corners between the interior surfaces of said sheets and the interior surfaces of said spacer members, elongated, substantially flat locking members positioned in the corners between the interior surfaces of sheets and the exterior surfaces of said spacer members, the elongated locking members and fillet members being coextensive on opposite sides of the spacer members, said sheets, spacer members, fillet members and locking members being of wood and being atomically bonded at their surfaces of contact, each of said locking members having an angular surface that forms an undercut recess in conjunction with an exterior surface of a spacer member.

2,363,234

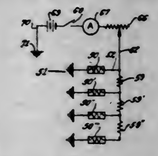
DELAYED ACTION FUSE

Henri-Georges Doll, Houston, Tex., assignor to Schlumberger Well Surveying Corporation, Houston, Tex., a corporation of Delaware

Application October 6, 1941, Serial No. 413,762

9 Claims. (Cl. 164—0.5)

1. In gun apparatus for use in wells, the combination of a body adapted to be lowered into a bore hole, said body having a plurality of gun bores therein and powder chambers therefor, an explosive charge in each of said powder chambers, a plurality of heating elements for igniting said explosive charges, and means for delaying



the transfer of heat from each of said heating elements to the corresponding explosive charges, said delaying means having different thermal properties whereby the delay will be different for each of said elements.

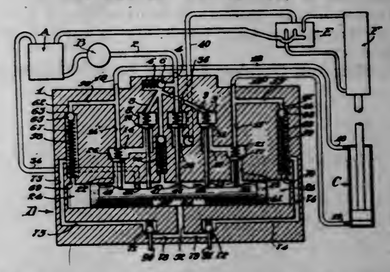
2,363,235

CONTROL VALVE

Herman Ray Ellinwood, Burbank, Calif., assignor to Adel Precision Products Corp., Burbank, Calif., a corporation of California

Application January 25, 1941, Serial No. 375,943

9 Claims. (Cl. 60—52)



2. In a valve, a body having a plurality of passages for establishing a fluid circuit between a pump and a fluid actuated device, valve means carried by said body for controlling the flow of fluid in passages therein, means for operating said valve means to open certain of said passages for controlling the flow of fluid to and from the fluid actuated device, including a reciprocable cam shaft in said body initially manually operable for opening said valve means and thereafter operating automatically as a piston for actuating the valve means to close said certain passages responsive to a higher than normal operating pressure attained in said certain passages following a predetermined operation of said device, and means responsive to movement of said means for operating said valve means, for controlling the hydraulic operation of said cam shaft.

2,363,236

AIR-COOLED MUFFLER

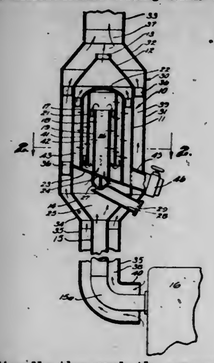
Peter E. Fluor, Santa Ana, Calif., assignor to The Fluor Corporation, Ltd., Los Angeles, Calif., a corporation of California

Application August 13, 1943, Serial No. 498,601

13 Claims. (Cl. 181—51)

1. A muffler comprising a shell having an inlet and an outlet, and a baffle assembly within the shell including a plurality of spaced tubular perforated baffles one within the other and arranged to cause gases flowing from said inlet to the outlet to pass both longitudinally between the baffles and through the baffle perforations an end of each of said baffles being open so that

the gas flows from said inlet longitudinally through the innermost baffle and then reversely



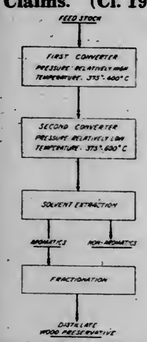
and longitudinally through the space between said innermost baffle and the next outer baffle.

2,363,237

PRODUCTION OF USEFUL MATERIALS

Jacquelin E. Harvey, Jr., Washington, D. C., assignor of one-half to Southern Wood Preserving Company, East Point, Ga., a corporation of Georgia

Application October 9, 1942, Serial No. 461,500
4 Claims. (Cl. 196—49)



1. In the production of a preservative wood impregnant from the mixture of petroleum fractions boiling preponderantly above 270° C. characterized by a substantial percentage of materials of cyclic structure content and inherent but inhibited toxicity, the process which comprises: heat treating said petroleum fractions at a temperature selected between the limits of about 370–600° C. while under a relatively high pressure for a period not in excess of about 30 minutes; thereafter heat treating said material in entirety at a temperature selected between the limits above named at a relatively low pressure for a period not in excess of about one hour; inducing toxicity into the materials under treatment by coordinating the time of treatment in both periods of heating as to provide in the converted material less than about 30% but more than about 5% saturation in the 270–355° C. fraction; and segregating from the beneficiated material an oil of the wood preservative type boiling preponderantly between 210° C. and 355° C., having an end point at least as high as about 355° C. and substantial residual materials boiling above 315° C., and in the fraction 270–355° C. less than about 30% but more than about 5% saturates.

2,363,238

METHOD OF PRODUCING USEFUL PRODUCTS

Jacquelin E. Harvey, Jr., Washington, D. C., and Robert H. White, Jr., and Joseph A. Vaughan, Atlanta, Ga., assignors of one-half to said Harvey, Jr., and one-half to Southern Wood Preserving Company, East Point, Ga., a corporation of Georgia

No Drawing. Application November 10, 1942, Serial No. 465,166
3 Claims. (Cl. 196—50)

1. The process of inducing toxicity into a petroleum derived material characterized by substantial content of cyclic structures, which comprises: subjecting a mixture of petroleum fractions boiling preponderantly above 270° C., characterized by a substantial percentage of relatively non-toxic materials boiling above 315° C., ring structure content and inherent but inhibited toxicity to liquid phase cracking conditions at a temperature selected between the limits of 350–550° C. and pressure in excess of atmospheric; unveiling toxicity in the material under treatment by continuing the named cracking operation for a period not in excess of about two hours, the period being so selected with reference to the chosen temperature and pressure as to jointly provide a percentage of newly induced materials boiling below 210° C. falling between the limits of about 10–50% and an overall beneficiated material containing fractional parts having a specific gravity falling substantially between the limits noted in the appended tabular data:

Fractions	Low limit	High limit
0-210° C.	0.710	0.9727
210-235° C.	0.801	1.0048
235-270° C.	0.850	1.0315
270-315° C.	0.914	1.0691
315-355° C.	0.973	1.1175

whereby to provide a material of induced toxic properties; and segregating from the beneficiated material an oil of the wood preservative type boiling preponderantly between 210° C. and 355° C., said oil characterized by induced toxic properties and substantial residual matter boiling above 315° C., the fractions of which have specific gravities falling between the limits above named.

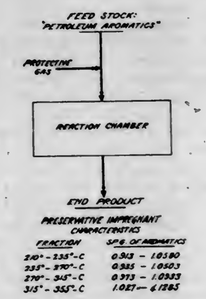
2,363,239

METHOD OF PRODUCING VALUABLE MATERIALS

Jacquelin E. Harvey, Jr., Washington, D. C., and Robert H. White, Jr., and Joseph A. Vaughan, Atlanta, Ga., assignors of one-half to said Harvey, Jr., and one-half to Southern Wood Preserving Company, East Point, Ga., a corporation of Georgia

Application November 18, 1942, Serial No. 466,054
12 Claims. (Cl. 196—52)

1. The process of inducing toxicity into a petroleum derived material, which comprises: subjecting a mixture of petroleum fractions boiling preponderantly above 270° C., characterized by a substantial percentage of relatively non-toxic materials boiling above 315° C., ring structure content and inherent but inhibited toxicity to liquid phase cracking conditions in the presence of a reforming catalyst at a temperature selected between the limits of 300° C. and 550° C. and a pressure in excess of atmospheric; unveiling toxicity in the material under treatment by continuing the named cracking operation for a period not in excess of about two hours, the period being so selected with reference to the chosen temperature and pressure as to jointly provide a percentage of newly induced materials boiling below 210° C. falling between the limits of about 10–50% and fractional parts of the overall beneficiated oil containing materials of cyclic structure content having a specific gravity falling substantially between the limits noted in the appended tabular data:



Fractions	Low limit	High limit
210-235° C.	0.913	1.0580
235-270° C.	0.935	1.0756
270-315° C.	0.973	1.0933
315-355° C.	1.027	1.1285

whereby to provide a material of induced toxic properties; and segregating from the beneficiated material an oil of the wood preservative type boiling preponderantly between 210° C. and 355° C., said oil characterized by induced toxicity to wood destroying fungi and substantial residual matter boiling above 315° C., the fractions of which have specific gravities falling between the limits above named.

2,363,240

METHOD FOR REFORMING MATERIALS AND PRODUCT THEREOF

Jacquelin E. Harvey, Jr., Washington, D. C., and Robert H. White, Jr., and Joseph A. Vaughan, Atlanta, Ga., assignors of one-half to said Harvey, Jr., and one-half to Southern Wood Preserving Company, East Point, Ga., a corporation of Georgia

No Drawing. Application December 21, 1942, Serial No. 469,720
21 Claims. (Cl. 196—53)

1. In the induction of toxicity into a mixture of petroleum fractions boiling preponderantly above 270° C., characterized by inherent but inhibited toxicity and a substantial percentage of materials of ring structure content, the process which comprises: subjecting said material in vapor phase to a temperature selected between the limits of 400–600° C. whilst contacting a gas of extraneous source under superatmospheric pressure; unveiling toxicity in the material under treatment by carrying on the process for a time not in excess of about one and one-half hours, the period being so selected with reference to the chosen temperature and pressure as to jointly provide newly formed materials boiling below 210° C. and specific gravities in the fractions 210–235° C. and 315–355° C. of the beneficiated material, falling between the limits of about 0.801–1.0048 and 0.973–1.1175, respectively; and segregating from the overall beneficiated material an oil of the wood preservative type characterized by induced toxic properties, boiling preponderantly between 210° C. and 355° C., having at least about 10–20% residual matter above 315° C., the fraction 270–315° C. of which has an overall specific gravity between 0.914 and 1.0691, and the fraction of which boiling between 315–355° C. has an overall specific gravity between 0.973 and 1.1175.

18. A petroleum derived preservative wood impregnant consisting of in its entirety a mixture of cracked petroleum fractions characterized by a preponderance of materials boiling between 210° C. and 355° C., and at least 10–20% residual materials boiling above 315° C., the fraction 210–235° C. of which has an overall specific gravity between 0.801 and 1.0048; the fraction 235–270° C. of which has an overall specific gravity between 0.850 and 1.0315; the fraction 270–315° C. of which has an overall specific gravity between 0.914 and 1.0691; and the fraction of which boiling between 315–355° C. has an overall specific gravity between 0.973 and 1.1175.

2,363,241

USEFUL PRODUCTS AND PROCESS OF PRODUCING THEM

Jacquelin E. Harvey, Jr., Washington, D. C., and Robert H. White, Jr., and Joseph A. Vaughan, Atlanta, Ga., assignors of one-half to said Harvey, Jr., and one-half to Southern Wood Preserving Company, East Point, Ga., a corporation of Georgia

No Drawing. Application December 21, 1942, Serial No. 469,721
21 Claims. (Cl. 196—53)

1. In the induction of toxicity into a mixture of petroleum fractions boiling preponderantly above 270° C., characterized by inherent but inhibited toxicity and a substantial percentage of materials of ring structure content, the process which comprises: subjecting said material in vapor phase to a temperature selected between the limits of 400–650° C. whilst contacting a gas of extraneous source under superatmospheric pressure; unveiling toxicity in the material under treatment by carrying on the process for a time not substantially in excess of two hours, the period being so selected with reference to the chosen temperature and pressure as to jointly provide newly formed materials boiling below 210° C. and materials of cyclic structure content in the fractions 210–235° C. and 315–355° C. of the beneficiated material having specific gravities falling between the limits of about 0.913–1.0580 and 1.027–1.1285, respectively; and segregating from the beneficiated material an oil of the wood preservative type boiling preponderantly between 210° C. and 355° C., having at least 10–20% residual material boiling above 315° C., and in the fractions 210–235° C. and 315–355° C. a specific gravity in the materials of cyclic structure content falling between the limits above named.

18. A petroleum derived preservative wood impregnant consisting of in its entirety a destructively cracked product of petroleum fractions, said preservative characterized by a pre-

ponderance of materials boiling between 210° C. and 355° C., and at least about 10–20% materials boiling above 315° C., the fraction 210–235° C. of which contains materials of ring structure content having a specific gravity between about 0.941 and 1.0430; the fraction 235–270° C. of which contains materials of ring structure content having a specific gravity between about 0.963 and 1.0606; the fraction 270–315° C. of which contains materials of ring structure content whose specific gravity falls between about 1.001 and 1.0783; and the fraction of which boiling between 315–355° C. contains materials of ring structure content having a specific gravity falling between about 1.055 and 1.1135.

2,363,242

METHOD OF PROVIDING A NEW PRODUCT

Jacquelin E. Harvey, Jr., Washington, D. C., and Robert H. White, Jr., and Joseph A. Vaughan, Atlanta, Ga., assignors of one-half to said Harvey, Jr., and one-half to Southern Wood Preserving Company, East Point, Ga., a corporation of Georgia

No Drawing. Application December 21, 1942, Serial No. 469,723

8 Claims. (Cl. 196—50)

1. The process of inducing toxicity into a relatively high boiling mixture of petroleum fractions characterized by a substantial percentage of materials of cyclic structure content, said cyclic structures having inhibited toxicity due to toxicity diluents which appear as integral parts thereof, which comprises: contacting said relatively high boiling mixture of petroleum fractions with a relatively low boiling oil of cyclic content adapted to receive as an integral part thereof at least a portion of said toxicity diluents of said mixture; rendering the mixture of petroleum fractions more toxic by heat treating the contacted materials at a temperature selected between the limits of about 350–600° C. whilst under superatmospheric pressure for a period not in excess of about two hours, said period being so selected with reference to the chosen temperature and pressure as to jointly provide newly formed low boiling materials in said mixture of petroleum fractions, transference of at least a portion of said toxicity diluents from the mixture of petroleum fractions to said relatively low boiling oil of cyclic content, a specific gravity in fractional parts of the heat treated mixture of petroleum fractions falling between the following limits:

Fractions	Low limit	High limit
235–270° C.	0.850	1.1305
270–315° C.	0.914	1.0691
315–355° C.	0.973	1.1175

and recovering from the heat treated contacted materials at least a portion of the reacted and unreacted relatively low boiling materials of cyclic structure content whereby to provide the remainder thereof as material of induced toxic properties; and segregating from the beneficiated material an oil of the wood preservative type boiling preponderantly between 210° C. and 355° C., said oil characterized by induced toxic properties, and end point at least as high as about 355° C. and substantial residual material boiling above 315° C., the fractions 235–270° C., 270–315° C. and 315–355° C. of which have specific gravities falling between the limits above named.

2,363,243

PROCESS OF INDUCING TOXICITY AND PRODUCT THEREOF

Jacquelin E. Harvey, Jr., Washington, D. C., and Robert H. White, Jr., and Joseph A. Vaughan, Atlanta, Ga., assignors of one-half to said Harvey, Jr., and one-half to Southern Wood Preserving Company, East Point, Ga., a corporation of Georgia

No Drawing. Original application November 18, 1942, Serial No. 466,054. Divided and this application November 23, 1943, Serial No. 511,481

10 Claims. (Cl. 196—52)

1. The process of inducing toxicity into a petroleum derived material, which comprises: subjecting a mixture of petroleum fractions boiling preponderantly above 270° C., characterized by a substantial percentage of relatively non-toxic materials boiling above 315° C., ring structure content and inherent but inhibited toxicity to liquid phase cracking conditions in the presence of a reforming catalyst at a temperature selected between the limits of about 425–500° C.; unveiling toxicity in the materials under treatment by continuing the named cracking operation for a period not in excess of about two hours, the period being so selected with reference to the chosen temperature and pressure so as to provide a percentage of newly induced materials boiling below 210° C. falling between the limits of 10–50%; securing the unveiled toxicity in a relatively high degree by a coordination of time, temperature and pressure which provides less than about 30% but more than about 5% saturates in the beneficiated material boiling between 270° C. and 355° C. whereby to provide an overall beneficiated material having substantial residual matter above 315° C. and a toxicity in excess of the starting material; and segregating from the beneficiated material an oil of the wood preservative type having induced toxicity and an initial boiling point at least as low as about 270° C., substantial residual materials boiling above 315° C., and an end boiling point at least as high as about 355° C., the fraction 270–355° C. of the segregation having a percentage of saturates falling between the limits above named.

9. A wood preserving impregnant consisting in its entirety of a mixture of cracked petroleum fractions having less than about 30% but more than about 5% saturates in the materials boiling between 270–355° C., an initial boiling point at least as low as about 270° C., a final boiling point above 355° C. and not less than about 45% boiling up to 355° C. and substantial residual material above 315° C.

2,363,244

TOXIC MATERIAL

Jacquelin E. Harvey, Jr., Washington, D. C., and Robert H. White, Jr., and Joseph A. Vaughan, Atlanta, Ga., assignors of one-half to said Harvey, Jr., and one-half to Southern Wood Preserving Company, East Point, Ga., a corporation of Georgia

No Drawing. Original application November 10, 1942, Serial No. 465,166. Divided and this application November 23, 1943, Serial No. 511,482

4 Claims. (Cl. 196—149)

1. As a preservative wood impregnant a reformed petroleum oil boiling preponderantly between 210° C. and 355° C., having an end point at least as high as about 355° C. and substantial residual materials boiling above 315° C., the 210–235° C. fraction of which has an overall specific gravity between 0.801 and 1.0048, said fraction containing materials of ring structure content which have a specific gravity between 0.914 and 1.0580; the fraction 235–270° C. of which has an overall specific gravity between 0.850 and 1.0315 said fraction containing materials of ring structure content which have a specific gravity between 0.935 and 1.0756; the fraction 270–315° C. of which has an overall specific gravity between 0.914 and 1.0691, said fraction containing materials of ring structure content which have a specific gravity between 0.973 and 1.0933; and the fraction of which boiling between 315° C. and 355° C. has an overall specific gravity between 0.973 and 1.1175, said fraction containing materials of ring structure content which have a specific gravity between 1.027 and 1.1285.

2,363,245

CONVERSION OF MATERIALS

Jacquelin E. Harvey, Jr., Washington, D. C., and Robert H. White, Jr., and Joseph A. Vaughan, Atlanta, Ga., assignors of one-half to said Harvey, Jr., and one-half to Southern Wood Preserving Company, East Point, Ga., a corporation of Georgia

No Drawing. Application December 1, 1943, Serial No. 512,516

15 Claims. (Cl. 196—52)

1. In the induction of toxicity into a mixture of petroleum fractions boiling preponderantly above 270° C., characterized by a substantial percentage of "petroleum aromatics," and inherent but inhibited toxicity, the process which comprises: subjecting said material in vapor phase to a temperature selected between the limits of 400–600° C.; unveiling toxicity in the material under treatment by carrying on the process for a period not substantially in excess of about one hour, the period being so selected with reference to the chosen temperature and pressure as to jointly provide newly formed materials boiling below 210° C. and specific gravities in the fractions 210–235° C. and 315–355° C. of the beneficiated material, falling between the limits of about 0.801–1.0048 and 0.973–1.1175, respectively; and segregating from the beneficiated material an oil of the wood preservative type boiling preponderantly between 210° C. and 355° C., said oil characterized by induced toxic properties and at least about 10–20% residual matter above 315° C., the fractions 210–235° C. and 315–355° C. of which have specific gravities falling between the limits above noted.

2,363,246

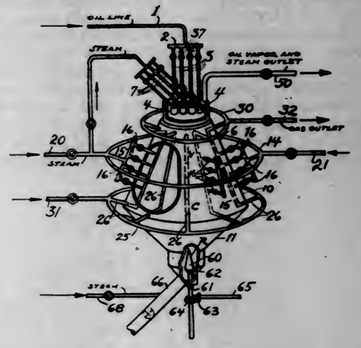
DISTILLATION APPARATUS

Charles E. Hemminger, Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Original application December 9, 1939, Serial No. 308,369. Divided and this application September 19, 1942, Serial No. 458,954

5 Claims. (Cl. 196—115)

1. A distillation vessel of the character described comprising in combination, a main distillation vessel having inclined side walls which slope outwardly in the upper portion and inwardly in the lower portion of said vessel; a plurality of tubes arranged within the upper portion of said vessel adapted to contain a combustion gas, disposed at spaced intervals substantially parallel and relatively close to the walls of the upper portion of said vessel, said tubes extending over a substantial portion of the height of the upper portion of said vessel; a plurality of tubes projecting through the wall of the upper portion of said vessel and having openings within said vessel in close proximity to said first-named tubes; means for introducing a combustible gas into said first-named tubes; means for introducing steam through said second-named tubes into said vessel; means for introducing hydrocarbon



oil into the distillation vessel; means for withdrawing vaporous products from said distillation vessel; and means for withdrawing the residue resulting from the distillation from said vessel.

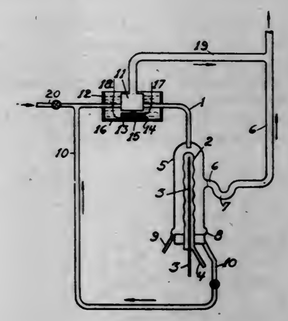
2,363,247

DEGASSING OF LIQUIDS

Clinton H. Holder, Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Application November 20, 1942, Serial No. 466,327

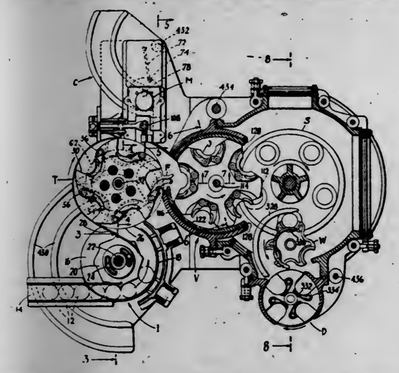
7 Claims. (Cl. 202—52)



1. A process for the distillation of organic liquids which comprises passing said liquids in a thin layer over a heated surface subjected to high vacuum conditions so as to vaporize a portion of said liquid, condensing said vapors on a cooled surface spaced from said heated surface at a distance less than the mean free path of the vapor molecules, continuously withdrawing said condensed vapor from said cooled surface, continuously withdrawing said unvaporized liquid from said heated surface, subjecting said withdrawn unvaporized liquid to the action of high frequency pressure waves for a sufficient length of time to effect a substantial complete separation of absorbed gas from said liquid and continuously recycling degassed liquid to said heated surface.

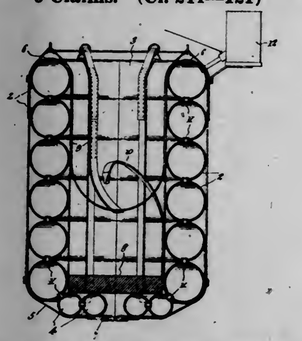
2,363,248
VACUUM CAN SEAMER
Arthur G. Hopkins, Maspeth, N. Y., assignor to National Can Corporation, New York, N. Y., a corporation of Delaware
Application December 14, 1940, Serial No. 370,130
13 Claims. (Cl. 113—14)

1. Vacuum-seaming apparatus comprising a pocketed transfer turret, a rotary vacuum valve adjacent said turret, means to supply cans to said transfer turret, means to supply caps to said transfer turret, means on said transfer turret for ejecting cans from said transfer turret to said rotary valve, means on said transfer turret for moving the caps to said valve, cam-operated



means at said valve for receiving and positively controllably lowering the caps toward the cans a predetermined desired amount, and a cam so arranged as to operate said cam-operated means positively over a desired range of movement.

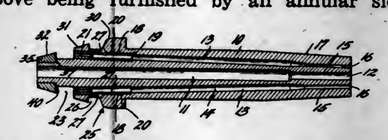
2,363,249
PROTECTOR FOR USE WITH PARACHUTES
George R. Hutchinson, Ruxton, Md., assignor to Ray V. Watson, Baltimore, Md.
Application March 12, 1943, Serial No. 478,946
5 Claims. (Cl. 244—121)



1. A protector for use by parachutists, including a series of independent superimposed inflatable side cells arranged to define a vertical wall and a substantially uniform interior open space, a further series of inflatable bottom cells underlying the lowermost of the side cells and in part bridging the bottom of the interior space, and strap-like confining elements for all said cells, said elements being terminally connected centrally of and beneath and centrally of the bottom cells and each extended upwardly of and in contact with the outer sides of the side cells, passed through load-sustaining members above the upper side cells, and continued downwardly in contact with the inner surfaces of the side cells, the terminals of the elements being passed between the lowermost side cell and the outermost bottom cell and secured to that length of the same element overlying the side cells.

2,363,250
TORCH TIP
Alexander F. Jenkins, Baltimore, Md.
Application September 25, 1942, Serial No. 459,729
3 Claims. (Cl. 158—27.4)

1. A torch tip of the class described comprising a body portion having a passageway extending longitudinally therethrough and eccentrically thereof, an annular groove provided in the outer surface of the tip adjacent the rear end thereof, said passageway opening through one side wall of the groove, the opposite side wall of the groove being furnished by an annular sleeve



fitted upon a rearwardly projecting part of the body portion of the tip which is of an external radius less than the radial distance of said passageway from the axis of the tip the external radius of said sleeve being greater than said radial distance.

2,363,251
OYSTER HARVESTING APPARATUS
Joseph Michel Jurisich, New Orleans, La.
Application July 6, 1943, Serial No. 493,652
2 Claims. (Cl. 37—55)



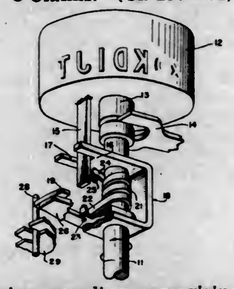
1. A harvester of the character described consisting of a floating support, an inclined conveyor having one end mounted thereon for vertical pivotal movement thereon, a sledge in supporting relation to the outer end of the conveyor, a drum mounted revolvably on the sledge in close spaced relation to the outer end of the conveyor, and a multiplicity of sweep devices upon the drum at least, each consisting of a short loop of resilient material of limited flexibility, and releasable means to hold each loop in operative position.

2,363,252
DERIVATIVES OF HYDROGENATED ROSIN
William J. Kirkpatrick, Marshallton, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 4, 1943, Serial No. 504,926
9 Claims. (Cl. 260—100)

1. A method for the separation of crystalline hydro rosin acids from a rosin which has been at least partially saturated with hydrogen to the extent of at least 25% of the double bonds in the presence of a noble metal catalyst, which consists

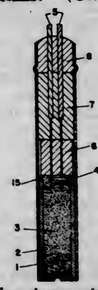
of agitating said hydrogenated rosin in contact with a saturated hydrocarbon having between 3 and 8 carbon atoms per molecule, at a temperature from about —15° C. to about 200° C., utilizing a hydrocarbon to hydrogenated rosin ratio of at least about 1.0, then maintaining the system at a temperature which will induce crystallization, and thereafter separating the crystalline hydro rosin acids.

2,363,253
HELIX CLUTCH
Edward S. Larson, Chicago, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application December 28, 1942, Serial No. 470,345
8 Claims. (Cl. 197—44)



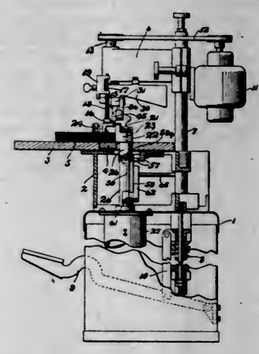
1. A driving coupling comprising a continuously rotatable shaft, a helical spring constricted about said shaft, a driven apparatus fastened to one end of said helical spring, and an obstruction element selectively associated with the other end of said spring, said spring being wound in a direction so as to become distended to relax its constriction upon said shaft when said element encounters its associated end of said spring.

2,363,254
BLASTING CAP
Robert W. Lawrence, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
Application March 23, 1940, Serial No. 325,512
10 Claims. (Cl. 102—28)



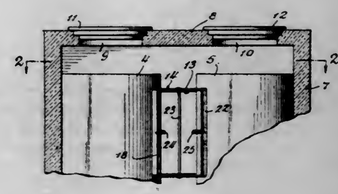
1. A firing device insensitive to detonation by the external application of heat which comprises a casing containing a firing assembly and an explosive charge, an organic compound having a melting point between about 60° C. and about 150° C. surrounding and maintaining the said explosive charge at least .01 inch from said casing, the said organic compound adapted to desensitize said explosive charge when the organic compound is heated to at least its melting point upon external application of heat to said device.

2,363,255
PAPER BORING AND SLOTTING MACHINE
James Wesley Lee, Grand Haven, and Freeman Barney, Spring Lake, Mich., assignors to The Challenge Machinery Company, Grand Haven, Mich., a corporation of Michigan
Application February 14, 1941, Serial No. 378,974
8 Claims. (Cl. 164—86)



8. A machine of the class described comprising, a paper pack support, a reciprocating drill head, a cutting attachment including a block having a portion thereof cut out to provide diverging sides, cutting means secured to said sides, and means on said drill head to adjustably receive said attachment, whereby said drill head and attachment will reciprocate together.

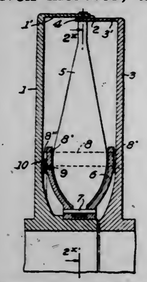
2,363,256
HOLDER FOR CONTAINERS
Albert Manning and Andrew Onuska, North Arlington, N. J.
Application October 5, 1942, Serial No. 460,824
1 Claim. (Cl. 220—15)



A holder for containers and the like, comprising two like rigid open rectangular frames vertically arranged in pivotal relation, each of said frames having corresponding upper and lower horizontal elements in axially overlapping contacting relation, and a vertical pivot extending through the overlap at the median point of said horizontal elements of the frames, and parallel vertical elements extending between said horizontal elements and connected thereto, and spring elements connecting opposed corresponding vertical elements of the respective frames on opposite sides of the pivot, said spring elements being adapted to frictionally engage said containers and being deformed inwardly thereby, whereby the containers are prevented from rotating.

2,363,257
YIELDABLE COUPLING
Raffaele Matteucci, Turin, Italy; vested in the Alien Property Custodian
Application March 17, 1941, Serial No. 383,882
In Italy March 16, 1940
2 Claims. (Cl. 64—15)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)

1. In an elastic coupling for connecting a driving member and a driven member, the combination of a sleeve rotatable relative to said members and mounted co-axially of said members; a plurality of leaf springs extending radially from said sleeve and having their inner ends fixed in said sleeve, the opposite ends of alternate springs bearing against the driving member, and the opposite ends of the remaining springs bearing against the driven member; and a plurality of



abutments mounted on said sleeve, each abutment having two convex surfaces, the arcs of curvature of said surfaces being on a radius much greater than the diameter of the abutment, each convex surface being in contact with one of said springs intermediate its ends.

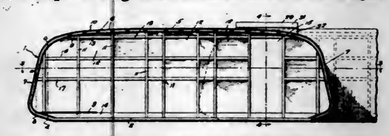
2,363,258
CUTTING DEVICE
Jacob Moss, Plainfield, N. J.
Application October 28, 1943, Serial No. 507,970
12 Claims. (Cl. 26—7)



1. In a thread cutter comprising a frame carrying an electric motor, a knife housing projecting from said frame, a knife mounted for movement in said housing, and means operatively connecting said knife to said motor for reciprocation of said knife in said housing; means imparting an ocillatory motion to said knife in conjunction with said reciprocation thereof, said last mentioned means comprising a fulcrum member carried by said housing and pivotally engaged by said knife between the opposite ends thereof, said fulcrum member extending transversely of the direction of said reciprocation and said knife being movable transversely of said fulcrum during said reciprocation.

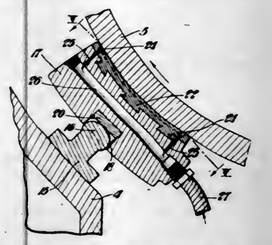
2,363,259
HOUSE OF PREFABRICATED ROOM UNITS
Edgar W. Penton, Mifflinburg, Pa.
Application December 16, 1941, Serial No. 423,209
2 Claims. (Cl. 20—2)

1. House of similar prefabricated communicating room units, each unit having vertical side walls including framing consisting of a plurality of vertical studs uniformly spaced, common horizontal head and foot strips secured respectively adjacent the upper and lower ends to said studs, common horizontal spaced window strips secured to said studs intermediately, a rigid skin covering said framing and secured in surface adhesion to the adjacent surfaces of said studs and strips, any of the panels defined by adjacent of said studs and the bridging parts of said head and foot strips being convertible into doorways, and



any of the panels defined by adjacent of said studs and the bridging portions of said window strips being selectively convertible into window openings, by cutting out the skin covering the selected panel, said units being placed together and secured, said side wall being characterized by the absence of diagonal bracing in said convertible panels with adjacent side walls substantially in a common plane and with a selected doorway of one in registry with a selected doorway of another.

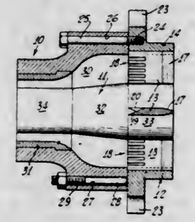
2,363,260
BEARING FOR ROPE STRANDING MACHINES
Leonard C. Peskin, Shaker Heights, Ohio, assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application October 10, 1941, Serial No. 414,526
4 Claims. (Cl. 308—73)



1. A bearing for high speed spindles and the like comprising a rectangular-shaped body member having a curved bearing surface, a bearing portion of relatively soft metal carried by said bearing surface, said bearing surface having a continuous groove arranged therein around the bearing portion thereof, and a passageway arranged in said body member through which a lubricating medium is adapted to be introduced thereinto, said body member having a plurality of holes arranged therein adjacent each end thereof connecting said groove and said passageway whereby a lubricating medium is supplied from said passageway into said groove and to the bearing portion of said bearing.

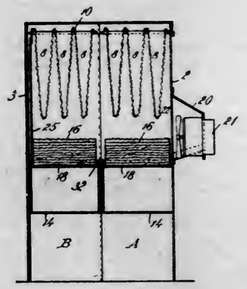
2,363,261
EXTRUSION DIE ASSEMBLY
George Ritter, Millington, N. J., assignor to The Ruberoid Co., New York, N. Y., a corporation of New Jersey
Application October 2, 1942, Serial No. 460,542
2 Claims. (Cl. 18—14)

1. In an extrusion die assembly, a movable nozzle, a fixed core, a core bridge having radial arms supporting the core, and means for tiltably adjusting the nozzle relative to the core comprising



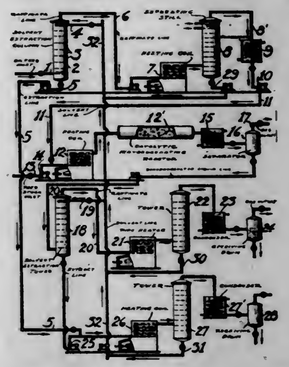
a plurality of jack-screws carried by the nozzle and abutting against a face portion of the core bridge.

2,363,262
DEHUMIDIFYING APPARATUS
Richard Sewall Robinson, Syracuse, N. Y., assignor to The Solvay Process Company, New York, N. Y., a corporation of New York
Application August 12, 1941, Serial No. 406,507
7 Claims. (Cl. 183—4.3)



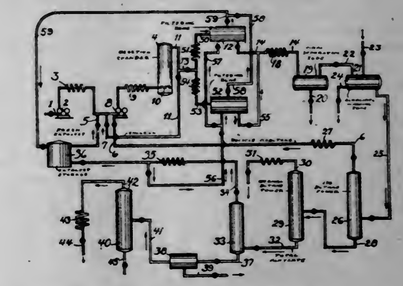
6. Portable sectional apparatus of variable capacity for dehumidifying air comprising a plurality of portable open-top units communicating with each other, said units being detachably connected together in horizontally disposed side-by-side relation and collectively defining a housing, each of said units comprising two upstanding substantially parallel walls connected throughout their heights to walls of adjacent units, said parallel walls collectively forming two parallel side walls of said housing, the two exterior units having additional walls forming the ends walls of the housing, the end wall of one of said exterior units being removable, the other exterior unit being provided with an opening therein, a container for deliquescent material in each of said units, means within each unit for supporting the container therefor for ready removal and insertion through the top of the unit, a foraminous baffle located within each unit beneath the container therein, whereby solution of material draining from said containers is distributed in film-form over said baffles, and means for impelling movement of air through said opening so that the air passes first through said baffles and then into contact with deliquescent material in said containers and thence out of said apparatus through the tops of said units.

2,363,263
ART OF PRODUCING VALUABLE AROMATIC HYDROCARBONS FROM PETROLEUM FRACTIONS
Raphael Rosen, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application June 30, 1938, Serial No. 216,637
1 Claim. (Cl. 196—52)



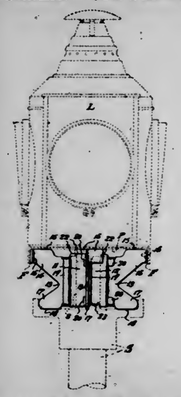
A process for producing a very aromatic product from petroleum which comprises separating naphtha boiling between about 100 to 500° F. from a crude petroleum rich in naphthenic compounds, dehydrogenating the naphtha by passing it through a reactor at a temperature of approximately 1045° F. over a catalyst whereby a product of substantially the boiling range of the naphtha is produced containing aromatic compounds in the presence of non-aromatic compounds, distilling the dehydrogenated product to form a fraction boiling between about 200 and 300° F., extracting the fraction with a solvent adapted to separate the aromatic from the non-aromatic fractions and removing the solvent whereby a very aromatic product is obtained.

2,363,264
ALKYLATION CATALYST
Raphael Rosen, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application July 2, 1941, Serial No. 400,733
9 Claims. (Cl. 260—683.4)



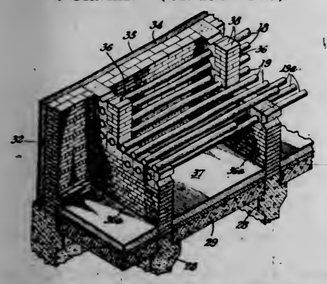
1. Process for alkylating isoparaffins with olefins, which comprises contacting the same in the presence of an aluminum chloride catalyst dissolved in a low molecular weight halogenated hydrocarbon solvent.

2,363,265
SOCKET FOR SWITCH SIGNAL LAMPS
Robert C. Schatzman, Arlington, N. J., assignor to Lovell-Dressel Co., Inc., Arlington, N. J., a corporation of Maine
Application December 28, 1943, Serial No. 515,991
4 Claims. (Cl. 248—310)



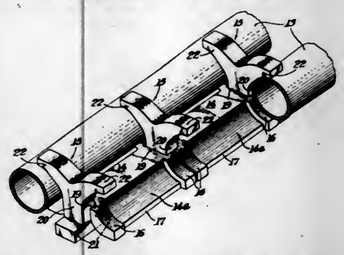
1. A socket structure for attachment to the bottom of a railroad switch signal or other lamp comprising an assembly of stamped sheet metal parts, each part including a socket portion bounding corner wall section, an angularly disposed lamp base engaging and supporting bracket arm section extending exteriorly from one side margin of said corner wall section, and an angularly disposed coupling section extending exteriorly from the other side margin of said corner wall section, said coupling section terminating at its ends in clenching lug elements; said parts thus characterized being assembled together with the included angles of their corner wall sections inwardly facing to enclose an axial socket chamber, the coupling section of one part being disposed in face to face meeting relation to the bracket arm section of an adjoining part, and the clenching lug elements of said coupling sections being clenched around top and bottom marginal portions of said bracket arm sections, whereby said parts are mutually secured one to another to collectively form a unitary structure.

2,363,266
OIL HEATER
Otto C. Schauble, Mount Kisco, N. Y., assignor to The Lummus Company, New York, N. Y., a corporation of Delaware
Application May 30, 1942, Serial No. 445,128
2 Claims. (Cl. 196—116)



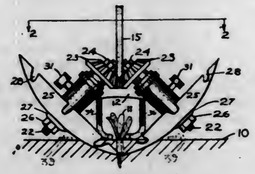
1. An oil heater including a housing defining a radiant heating chamber and a plenum chamber beneath said heating chamber, and with a gas exit from the bottom of the heating chamber to the plenum chamber, said housing having opposite vertical inner side walls, vertical banks of horizontally arranged oil-heating tubes at said side walls and with the tubes of said banks vertically spaced over the areas of the respective side walls, a horizontal bank of horizontally arranged oil-heating tubes transversely spaced in a series between the lower ends of said vertical banks and extending across said gas exit, burner means for fuel combustion within said heating chamber to heat the tubes of said vertical and horizontal banks by radiant heat, vertical ceramic pilasters on said side walls and integrated therewith respectively and located intermediate the ends of said tube banks and in opposition to each other across the interior of the housing and providing support for the tubes of said vertical banks, and a ceramic bridge within the plenum chamber and extending between the lower end portions of the opposed pilasters and continuous therewith and affording intermediate under support for the tubes of said horizontal bank, the opposed pilasters and bridge together forming a U-shaped structure supported at its opposite sides by said side walls and at its base by the bottom of the housing.

2,363,267
DIFFUSION BAFFLE FOR OIL HEATERS
Otto C. Schauble, Mount Kisco, N. Y., assignor to The Lummus Company, New York, N. Y., a corporation of Delaware
Application February 15, 1943, Serial No. 475,958
4 Claims. (Cl. 110—98)



1. A bottom wall structure for a combustion chamber, comprising parallel fluid-conducting tubes horizontally spaced in a common plane; rows of refractory blocks applied to the under side of said tubes and arranged in the respective rows in endwise opposed relation in succession along the spaces between the tubes, each of said blocks extending laterally across its respective intertube space and having projections engaging lower quadrant portions only of the adjacent tubes, said projections being spaced along the tubes to permit downward passage of combustion gases in contact with the lower quadrant portions of the tubes for heating the fluid within the tubes and each of said blocks having a medially located notch in each end thereof; and supporting elements for said blocks and each comprising a rigid piece of ceramic material formed with a shank portion extending upwardly through said notches of opposed block ends, a head portion at the upper end of said shank elongated in form transversely of the shank and extending laterally from opposite sides of the shank and engaging the upper sides of adjacent tubes and foot portions at the lower end of said shank portion and engaging the under side of said opposed block ends to support the blocks, the width of said head portion and shank portion lengthwise of the tubing being less than the width of the intertube space and the length of the head transversely of the tubing exceeding the width of the intertube space to enable application of the element to the tubes by disposal of the element with its head portion lengthwise of the tubes, insertion of the element upwardly through the intertube space and rotation of the element to dispose the head crosswise of the tubes.

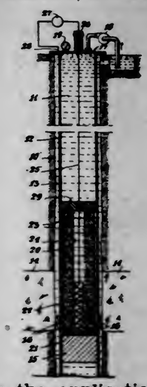
2,363,268
BEET THINNER
Gottlieb A. Schiel and Gottlieb P. Beren, Denver, Colo., assignors of one-third to Martin E. Anderson, Denver, Colo.
Application July 1, 1943, Serial No. 493,152
6 Claims. (Cl. 97—22)



1. A machine for thinning sugar beets and the like by severing some of the roots below the heart, comprising two concavo-convex disks mounted for rotation about downwardly flaring axes, the concave side of the disks facing upwardly, the peripherial edges of the disks being in shearing relation, means comprising bevel gears for producing simultaneous rotation of the disks in opposite directions, the disks having complementary peripherial notches equiangularly spaced and arranged to register to form openings, and means for positioning the disks with respect to the ground so that their lowermost peripherial portions penetrate the ground sufficiently to effect rotation of the disks when moved forwardly, the plane containing the axes of rotation being upwardly and forwardly inclined to produce a force urging the disks downwardly to the depth determined by the ground positioning means.

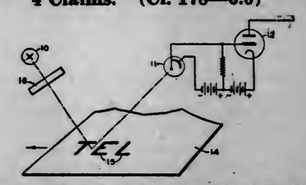
2,363,269
METHOD FOR SEALING BOREHOLE CASINGS
Marcel Schlumberger, Paris, France, assignor, by mesne assignments, to Schlumberger Well Surveying Corporation, Houston, Tex., a corporation of Delaware
Application July 26, 1940, Serial No. 347,647
In France July 29, 1939
3 Claims. (Cl. 166—22)

1. A method of sealing off the space between the wall of a bore hole and its casing at a position located intermediate the top and bottom of the bore hole, the bore hole having a column of liquid therein, comprising locating a plug at a predetermined depth in the casing in the vicinity of said position, perforating the casing at a position above said plug, lowering a quantity of solid sulfur and an electric heater to the level of the plug, blocking off the casing above the sulfur and the heater to reduce heat transfer by convection therefrom through the bore hole liquid, supplying elecrical energy to said heater for a sufficient length of time to liquefy the sulfur and to create a thermal field in the adjoining part of the casing and its environs, in which the temperature is above the melting point of sulfur, applying pressure to the column of liquid in the casing to force the liquid sulfur through the perforations in the casing into the space between the wall of the bore hole and the casing,



and continuing the application of pressure to the liquid in the bore hole until effective seals have been formed by the solidification of the liquid sulfur in the vicinity of the boundaries of said thermal field.

2,363,270
FACSIMILE TELEGRAPH SYSTEM
Leonard A. Smith, Nutley, N. J., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application October 3, 1942, Serial No. 460,604
4 Claims. (Cl. 178—6.6)

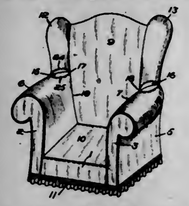


1. A system for deriving electrical signals from markings upon a surface of a member having radiation directing properties comprising a source of radiation, a radiation sensitive device, means to produce relative movement between said surface and said device, means to direct a beam of radiation from said source upon said directive surface, means to direct radiation from said reflective surface to said radiation sensitive device, and a selectively absorbent filter positioned between said source and said device, said source, said filter, and said device having the respective characteristics of emitting rays of maximum intensity, maximum absorption and maximum sensitivity in a common region of the spectrum whereby the response of said device will be, primarily, in accordance with the relative absorption characteristics of said surface and said markings thereon, in the remaining portion of the spectrum of said source.

2,363,271
SLIP COVER FOR FURNITURE
Mendel Sugarman, Malden, Mass.
Application May 8, 1943, Serial No. 486,118
3 Claims. (Cl. 155—182)

2. An adjustable slip cover for upholstered furniture having, in combination, suitable panels

for covering the several parts of an article of furniture, and substantially elliptical pieces of material secured at each end in the seams joining the back covering panels and the arm covering panels, said pieces having one edge thereof secured to one of said panels and the other edge



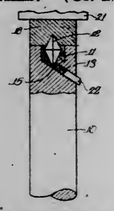
secured to the other of said panels, so that said panels may be pulled apart in the region of the inserted pieces to enable them to fit a larger article and by infolding the material of the inserted pieces the panels may be drawn together to enable them to fit a smaller article.

2,363,272

DIAMOND-TIPPED TOOL AND METHOD OF MAKING THE SAME

Jan Taeyaerts, Villa Park, and Magnus Toelcke, Chicago, Ill.

Application July 10, 1942, Serial No. 450,402
16 Claims. (Cl. 125—39)



1. The method of securing a diamond or similar cutting or abrading element in a holder including the steps of forming in the holder a recess in which the element is to be secured while projecting partially from the recess, partially embedding the element in the position it is ultimately to assume in a first temporary holding medium located in the recess, embedding the remainder of the element in a second temporary holding medium carried by the holder, removing the first temporary holding medium while the second temporary holding medium remains in position on said holder and while the element is retained in position in the recess in the holder by the second temporary holding medium, and flowing into the space created by removal of the first temporary holding medium a permanent holding medium.

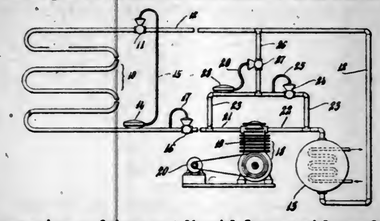
2,363,273

REFRIGERATION

Robert W. Waterfill, Montclair, N. J., assignor to Buensod-Stacey, Incorporated, New York, N. Y., a corporation of Delaware

Application June 2, 1943, Serial No. 489,368
5 Claims. (Cl. 62—8)

1. A refrigerating system comprising an evaporator, a compressor, a condenser, and lines permitting a circulation of refrigerant between said elements; means for regulating the flow of liquid refrigerant from said condenser to said evaporator in response to variations in the heat load affecting the latter element; means for by-passing refrigerant vapor from the discharge side of said compressor to the inlet side thereof whereby to maintain the pressure at the inlet side above a predetermined minimum; and means for



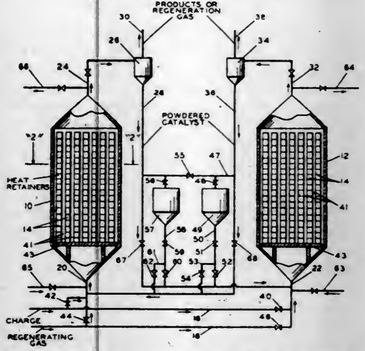
by-passing refrigerant liquid from said condenser to the inlet side of said compressor whereby to cool vapor by-passed from the discharge side of said compressor.

2,363,274

CATALYTIC PROCESS AND APPARATUS

I. Louis Wolk and John D. Upham, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware

Application May 24, 1943, Serial No. 488,226
10 Claims. (Cl. 196—52)



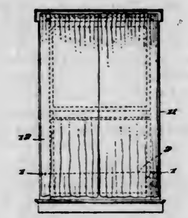
1. In the endothermic catalytic conversion of hydrocarbons in which finely divided catalytic material is contacted with reactants in a reaction zone, and then contacted at higher temperatures with oxygen-containing gases in an exothermic regeneration zone, the method of transferring heat from the regeneration zone to the reaction zone which comprises positioning a substantial proportion of heat retaining material within a pair of zones, regenerating deactivated catalyst in the first of said pair of zones by combustion of carbon thereon while absorbing heat of combustion by said heat retaining material therein, separating regenerated catalyst from the regenerating gas, suspending said regenerated catalyst in hydrocarbons to be converted and flowing the resulting suspension through the second of said pair of zones in contact with heated heat retaining material which has absorbed heat of combustion during a previous regeneration cycle, removing reaction products having deactivated catalyst suspended therein from said second zone, separating said deactivated catalyst and passing same to said first zone for regeneration, and switching flow of the hydrocarbon-catalyst suspension to said first zone and switching flow of regeneration gas having deactivated catalyst suspended therein to said second zone when the temperature of heat retainer in said second zone drops to an undesired level.

2,363,275

UTILITY HOOK

Abraham Landau, Washington, D. C.

Application April 23, 1943, Serial No. 484,258
2 Claims. (Cl. 24—73)



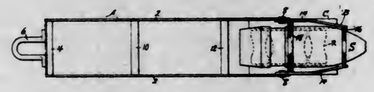
1. A fastener of the character described comprising an elongated shank having a coil intermediate the ends thereof and offset from the length of the shank, one end portion of the shank extending outwardly from the coil and downwardly in the opposite direction from the coil and turned back upon itself forming a hook portion having a prong on the free end thereof, the other end portion of said shank extending in the opposite direction from said first-mentioned end portion and terminating in an eyelet.

2,363,276

ARTICLE CARRIER

Charles J. Anchor, Buffalo, N. Y., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey

Application February 19, 1944, Serial No. 523,166
6 Claims. (Cl. 294—67)



1. In a shell lifter the combination of a top member adapted to be connected to a hoist, said top member including spaced straps and pivot pins carried by the straps adjacent their lower ends, a bottom member including spaced bars mounted adjacent their upper ends on said pivot pins, a ring connecting said bars together adjacent their lower ends and adapted to receive the nose portion of a shell, and a substantially three quarter annulus connecting said bars together adjacent said pivot pins and adapted to engage the shell body intermediate the nose and base portions.

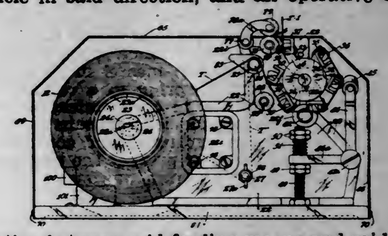
2,363,277

ADHESIVE TAPE DISPENSER AND APPLIER

Arthur A. Anderson, Rose Township, Ramsey County, Minn., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware

Original application June 27, 1941, Serial No. 400,143. Divided and this application January 1, 1944, Serial No. 516,717
21 Claims. (Cl. 216—29)

4. A machine of the character described comprising means for feeding a piece of adhesive material into a predetermined position to be engaged by an article upon movement of the latter in one direction, means for applying said piece of material to said article upon movement of the article in said direction, and an operative con-



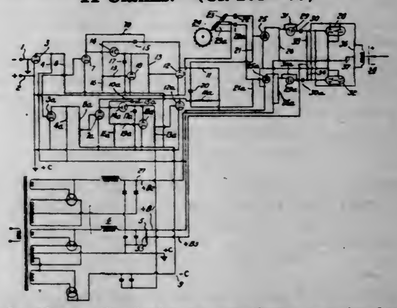
nection between said feeding means and said applying means for actuating said feeding means.

2,363,278

REGENERATION OF TELEGRAPH SIGNALS

Warren A. Anderson, New Dorp, Staten Island, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application January 11, 1943, Serial No. 471,927
11 Claims. (Cl. 178—70)



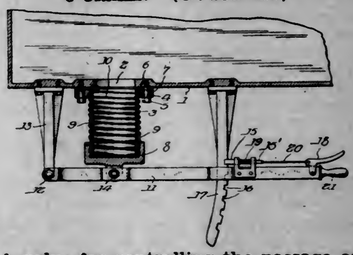
10. The method of regenerating a received telegraph signal having marks and spaces with mutilations in their intermediate portions, which comprises producing a series of pulses at constant phase points of the signal bauds at the transmitter, eliminating any mutilations of the signal at the same phase points of the received signals, combining the voltages of said pulses and the voltages of the received marks and spaces at said phase points and producing a regenerated signal by said combined voltages.

2,363,279

DUMP VALVE

Rudolph J. Anschicks, Chicago, Ill., assignor to Protectoseal Company of America, Inc., Chicago, Ill., a corporation of Illinois

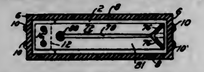
Application April 15, 1943, Serial No. 483,114
8 Claims. (Cl. 251—20)



1. A valve for controlling the passage of fluid between communicating spaces consisting of a

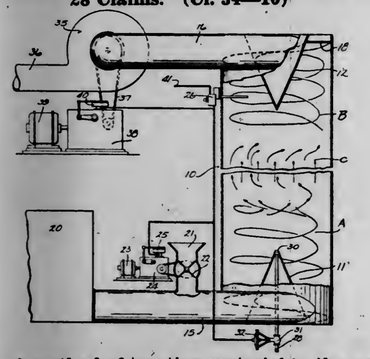
coiled spring of tubular construction and comprising a length of solid coiled wire, and a gasket member seated in a continuous groove in the length of coiled wire and adapted to seat upon adjacent coils thereof, said coiled spring and gasket providing a chamber, means in one space for securing the coiled spring to a cooperating part with the chamber in communication with the other space and supplemental means for positively controlling the expansion and contraction of the spring to permit or prevent the passage of fluid between the coils from one space to the other.

2,363,280
CIRCUIT CONTROLLER
Edwin E. Arnold, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 14, 1941, Serial No. 393,330
20 Claims. (Cl. 200—67)



1. Circuit controlling means including an elongated resilient plate member, a generally longitudinally extending slot in said member terminating short of the ends thereof, and the material of said plate being bent to form a groove extending from one end of said slot to an adjacent edge of said plate member.

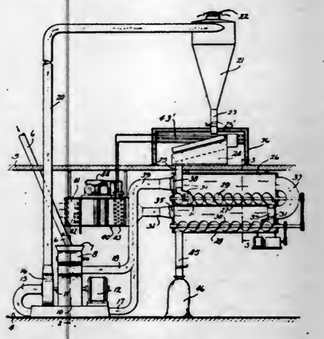
2,363,281
APPARATUS AND METHOD FOR TREATING PNEUMATICALLY BORNE MATERIAL
Gerald D. Arnold, Wauwatosa, Wis.
Application April 4, 1941, Serial No. 386,788
28 Claims. (Cl. 34—10)



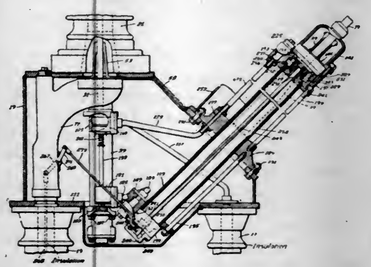
18. A method of treating material in the course of its pneumatic propulsion, such method including the creation of a pneumatic current, establishing oppositely rotating vortices at longitudinally spaced points in said current and axially exposed to each other intermediate such points, whereby to establish a zone of rectified current movement between said vortices, and the delivery of material to be treated into said current to pass through said zone.

2,363,282
TEMPERATURE CHANGING DEVICE
Gerald D. Arnold, Wauwatosa, Wis.
Application June 22, 1942, Serial No. 447,934
10 Claims. (Cl. 83—93)

1. The combination of means for treating material mechanically, said means including a substantially closed casing having an inlet for air, an inlet for material and an outlet for air and material acted thereon, of a rotor in said casing, a blower connected with said outlet for pneumatic delivery of such material, said blower being operatively connected to receive motion from the rotor, a separator arranged to receive material pneumatically conveyed from said blower and provided with air and material outlets, a refrigerating chamber having a material inlet operatively connected to receive material from the outlet of said separator, a conveyor for moving the material through the refrigerating chamber, said chamber having a material outlet and said conveyor constituting means for delivering said material to the outlet, said refrigerating chamber having an air inlet and an air outlet, means for chilling air admitted to said chamber through its inlet and a pipe leading from the outlet of said chamber to the casing of the means first mentioned, whereby the refrigerated air which has already acted on material in said chamber not only acts on material which has not yet reached said chamber but moves with such material toward said separator as a means of propelling the material toward the separator, the material thence passing to the chamber and thence being discharged.

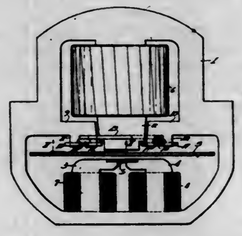


2,363,283
CIRCUIT INTERRUPTER
Benjamin P. Baker, Turtle Creek, and Andrew H. Bakken, Edgewood, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 18, 1942, Serial No. 431,395
7 Claims. (Cl. 200—81.4)



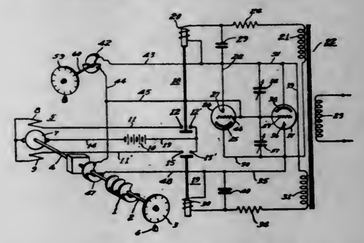
1. A circuit interrupter comprising a pair of arcing contacts separable to provide a current interrupting break, a pair of external air break disconnect contacts connected in series therewith, compressed air operating means for said contacts including a cylinder and a piston therein for actuating said arcing contacts, another cylinder and a piston therein for actuating the movable disconnect contact to open and to closed circuit positions, a source of compressed air for operating said pistons, control valve means for controlling the flow of compressed air to said cylinders, means for causing said pistons to be operated in a predetermined sequence during an opening operation to first open said arcing contacts and then open said disconnect contacts, an additional piston means in said disconnect contact operating cylinder adjacent one end thereof, said additional piston means being of larger diameter than said disconnect contact operating piston and being movable through a short stroke by the flow of compressed air to said end of the cylinder to apply a large starting force to said disconnect contact member for a short distance of the initial portion of the opening stroke of said contact member.

2,363,284
WATTHOUR METER
Thomas D. Barnes, West Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 26, 1941, Serial No. 412,393
17 Claims. (Cl. 171—34)



1. In an alternating-current measuring instrument having parts subject to temperature variation, a magnetic structure including a voltage pole and current poles spaced to define an air gap, an electroconductive armature positioned in said air gap for rotation, means associated with said magnetic structure for producing a shifting magnetic field in said air gap, said means comprising a voltage winding for producing a first magnetic flux in said voltage pole and said air gap, and current windings for producing a second magnetic flux in said current poles and said air gap, and means for establishing a predetermined phase relationship between said magnetic fluxes, said last-named means comprising a plurality of electroconductive loops each positioned adjacent the air gap face of said voltage pole for surrounding a separate portion of said first magnetic flux passing through said voltage pole, said loops being spaced in the direction of movement of said armature substantially symmetrically relative to said voltage pole face, and temperature responsive means for maintaining said phase relationship over a substantial temperature range, said temperature responsive means including means establishing a magnetic path for magnetic flux produced by current flowing in said loops, said magnetic path having a negative temperature coefficient of permeability.

2,363,285
REMOTE CONTROL
Frederick E. Bartholy, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 16, 1940, Serial No. 361,442
9 Claims. (Cl. 172—239)



1. In a control system, apparatus to be controlled as to its movement, control means for said apparatus including a pair of discharge tubes connected back-to-back, the space current conductivity of which initiates movement of said apparatus, individual energizing circuits for said tubes, a circuit capacitively interconnecting said tubes for maintaining electrical equilibrium thereby preventing space current conductivity of said tubes, capacitive means at a control point for disturbing said equilibrium and thereby initiating movement of said apparatus and capacitive means coactively associated with said apparatus for restoring said equilibrium upon predetermined movement thereof.

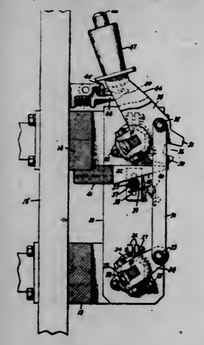
2,363,286
VINYL ESTERS OF UNSATURATED ACIDS
Walter Bauer and Carl T. Kautter, Darmstadt, Germany, assignors to Röhm & Haas Company, Philadelphia, Pa.
No Drawing. Application May 13, 1939, Serial No. 273,587. In Germany May 18, 1938
5 Claims. (Cl. 260—486)

1. The process of preparing vinyl acrylate which comprises reacting on acrylic acid with acetylene in the presence of a mercuric salt and hydroquinone at temperatures of from 50 to 95° C.

2,363,287
ELECTRIC SWITCH
Charles H. Bayer, Wynnewood, Pa., assignor to General Electric Company, a corporation of New York
Application July 15, 1943, Serial No. 494,763
10 Claims. (Cl. 200—170)

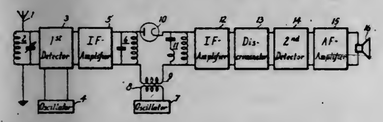
1. In an electric switch comprising a stationary contact, a cooperating contact movable into and out of engagement with said stationary contact, clamping means for exerting pressure between said contacts in the switch closed position thereof and an operating member mounted on said movable contact for movement relatively thereto in one direction to effect the clamping action of said clamping means and in the opposite direction to release the clamping action, an element translatably supported on said movable contact and movable into interlocking engagement with the operating member to prevent movement thereof relatively to the movable contact during the switch closing and opening movements, and means for effecting translatory

movement of said element relatively to said movable contact to permit movement of the operat-



ing member relatively to the movable contact after the movable contact has reached the end of its travel in the closing direction.

2,363,288
ELECTRICAL APPARATUS
David Arthur Bell, London, England, assignor to Radio Patents Corporation, a corporation of New York
Application February 4, 1942, Serial No. 429,509
In Great Britain February 18, 1941
11 Claims. (Cl. 250—20)

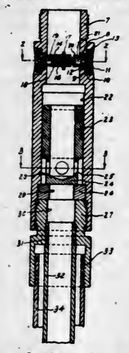


1. The method of limiting the amplitude of an angular velocity-modulated wave which consists in heterodyning the wave in a linear rectifier with an auxiliary oscillation of constant frequency different from the frequency of said wave and of constant amplitude which is smaller than the smallest amplitude to which said wave is to be limited, and in extracting one of the beat frequency waves from the heterodyning product of said wave and auxiliary oscillation.

2,363,289
METHOD OF MOISTUREPROOFING CELLULOSIC SHEETS
Frank David Bergstein, Cincinnati, Ohio
No Drawing. Application June 21, 1940, Serial No. 341,742
4 Claims. (Cl. 117—145)

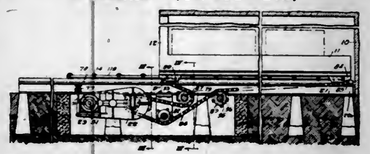
1. The method of making a moistureproof sheet material which comprises preparing a molten composition by first combining substantially 65% to 75% by weight of a wax and substantially 35% to 25% by weight of a hydrocarbon polymer of a class consisting of those produced by hydrogenating raw rubber and polymerizing isobutylene, thereafter combining substantially 90 to 95 parts of the material so produced with substantially 5 to 10 parts of cyclized rubber, and coating a flexible cellulosic base with said molten composition in a thickness suitable for the production of a heat-sealable coated sheet, non-tacky at normal temperatures and capable of forming a strong, non-brittle heat-sealed bond.

2,363,290
IMPROVED BLEEDER VALVE
Chalon E. Bridwell, Detroit, Mich.
Application October 13, 1941, Serial No. 414,741
3 Claims. (Cl. 137—34)



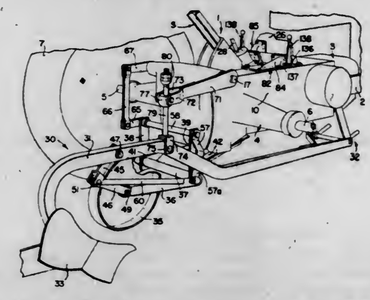
1. In a device of the character described, the combination of a tubular member adapted to be secured to a string of tubing; lateral bores in said tubular member, apertured plugs in said bores; valve seats in said apertured plugs; and spring actuated valves on said valve seats, said valves being dislodgable from said seats by impact from the interior of said tubular member.

2,363,291
DRAG-OUT MECHANISM FOR FURNACES
Samuel B. Brittain, Penn Township, Allegheny County, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 20, 1943, Serial No. 476,656
9 Claims. (Cl. 104—172)



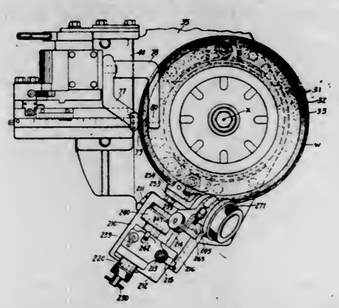
1. In a furnace, a car, a track for the car, and a drag-out mechanism for hauling the car along the track into and out of the furnace comprising a housing, a trunnion extending from each side of the housing at one end thereof, a pair of brackets mounted on the underside of the track and provided with bearings for supporting the trunnions, a torque bar supporting the other end of the housing from the underside of the track, a drive shaft rotatably mounted in the housing between the trunnions and in axial alinement therewith, a power shaft rotatably mounted at the other end of the housing, a motor mounted on the housing for rotating the power shaft, gearing mounted in the housing between the power shaft and the drive shaft whereby rotation of the power shaft causes rotation of the drive shaft, a plurality of idler sprocket wheels mounted on the underside of the track, a driving sprocket wheel mounted on the central portion of the drive shaft, and a sprocket chain disposed on the driving sprocket wheel and the idler sprocket wheels with its ends fastened to opposite ends of the car whereby rotation of the motor in one direction will haul the car out of the furnace and rotation in the opposite direction will haul the car into the furnace.

2,363,292
CONTROLLING MECHANISM FOR AGRICULTURAL IMPLEMENTS
Theophilus Brown, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application November 29, 1940, Serial No. 367,709
18 Claims. (Cl. 97—50)



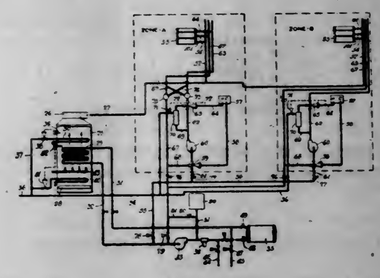
1. An agricultural machine comprising a ground working tool, a first piston and cylinder unit for adjusting the operating depth of said tool, a second piston and cylinder unit for raising said tool into inoperative position and power driven means for supplying fluid under pressure to said piston and cylinder units to actuate the latter.

2,363,293
DRESSING MECHANISM
Leonard O. Carlsen, Rochester, N. Y., assignor to Gleason Works, Rochester, N. Y., a corporation of New York
Original application November 13, 1939, Serial No. 304,150. Divided and this application August 11, 1942, Serial No. 454,405
3 Claims. (Cl. 125—11)



1. In apparatus for dressing the tip surface of a rotary grinding wheel, a support, a shaft oscillatably mounted in said support, an arm secured to said shaft, a dressing tool mounted on said arm, a block secured to said shaft, a pair of stops adjustably mounted in said support and adapted to engage, respectively, opposite sides of the block to limit swinging movement of the shaft in opposite directions, auxiliary means carried by the block which is engageable with the support to limit swinging movement of the shaft in one direction, means for oscillating the shaft to effect circular arcuate movement of the dressing tool, and means for moving said support in a rectilinear direction to effect straight line movement of the dressing tool.

2,363,294
AIR CONDITIONING SYSTEM
Willis H. Carrier, Syracuse, N. Y., assignor to Carrier Corporation, Syracuse, N. Y., a corporation of Delaware
Application August 12, 1939, Serial No. 389,749
3 Claims. (Cl. 257—3)

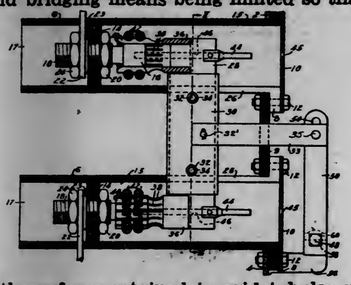


1. In an apparatus of the character described for conditioning a plurality of areas, a conditioner remote from said areas, means for supplying air to be conditioned to said conditioner, a plurality of induction units in said areas, at least one of said units serving each area to be conditioned, conduit means comprising tubes of a diameter of the order of six inches and connecting said units with said conditioner, means for delivering conditioned air for ventilation from said conditioner into said conduit means and for routing said conditioned air therethrough at a static pressure in excess of 1" water gauge and at a velocity of the order of 3000 to 5000 feet per minute, means in each of said units including a plurality of nozzles for discharging said conditioned air within said units at relatively high velocity, means for supplying within the units other air from the conditioned areas induced by the high velocity discharge of conditioned air within the units, said other air being induced in volume sufficient when mixed with the conditioned air to take care of the circulation requirements of the conditioned areas whereby the use of return ducts to said conditioner is eliminated and said tubes limited in size to the ventilation requirements of said areas, means for discharging said conditioned air and said induced air from each unit into the area served thereby, means for passing a conditioning medium in heat exchange relation with said air passing through said conditioner, and means for passing conditioning medium in heat exchange relation with air in said units.

2,363,295
CIRCUIT INTERRUPTER
James L. Cotter, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 26, 1942, Serial No. 470,183
13 Claims. (Cl. 200—163)

1. In a switch, spaced contacts, tubular means of insulating material telescoped over each contact and extending outwardly thereof, confronting slots in said tubular means extending longitudinally thereof, bridging means having opposite ends extending into said slots for movement therealong into and out of bridging engagement

with said contacts, and the extent of movement of said bridging means being limited so that the



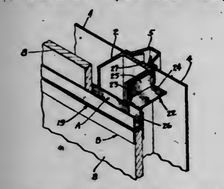
ends thereof are retained in said tubular means at all positions of said bridging means.

2,363,296

SECURING MEANS FOR INSULATING PANELS

James Cowin, Minneapolis, Minn.; Marion P. Cowin and Northwestern National Bank of Minneapolis, administrators of said James Cowin, deceased, assignors to Cowin and Company, Minneapolis, Minn., a corporation of Minnesota

Application March 17, 1942, Serial No. 434,993
3 Claims. (Cl. 189—34)



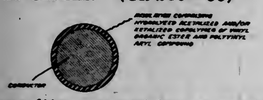
1. In a wall structure of the class described, a plurality of uprights arranged in spaced relation and having wall plates seated against and secured to the outer faces thereof, wall panels seated against the inner faces of the uprights, channels fitting over the edges of said panels, and a plurality of clips for securing the panels to the uprights, each clip comprising a body portion of angular cross-section having a depending tongue at one end received in one of said channels, and a similar tongue being formed at the opposite end of said body portion and received between the outer face of one of the uprights and a wall plate, thereby to secure the panels in position against the uprights.

2,363,297

SYNTHETIC COMPOSITIONS PRODUCED BY ACETALIZING AND/OR KETALIZING HYDROLYZED COPOLYMERS OF VINYL ORGANIC ESTERS AND POLYVINYL ARYL COMPOUNDS

Gaetano F. D'Alelio, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York

Application August 25, 1942, Serial No. 456,059
20 Claims. (Cl. 260—66)



10. A composition comprising a reaction product of ingredients comprising (1) the hydrolyzed, infusible, insoluble copolymer of a plurality of copolymerizable materials, one of which is a vinyl ester of an organic carboxylic acid having a single



grouping and another of which is a divinyl aryl compound of the class consisting of divinyl aryl hydrocarbons, divinyl halogenated aryl hydrocarbons and divinyl aryl ethers, and (2) a



-containing organic compound selected from the class consisting of aldehydes and ketones.

2,363,298

SOLVENT EXTRACTION

Armand J. de Rosset, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application October 17, 1941, Serial No. 415,451
2 Claims. (Cl. 183—115)

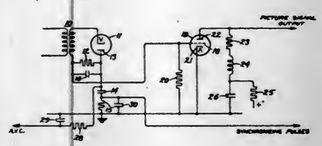
1. A process for separating normally gaseous olefins from normally gaseous paraffins in a hydrocarbon mixture containing the same, which comprises treating said mixture with a sufficient quantity of hydroxyethyl ethylene diamine to form an olefin-rich extract and a paraffin-rich raffinate, and separately recovering said extract and raffinate.

2,363,299

TELEVISION SIGNAL TRANSLATING CIRCUIT

Robert B. Dome, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York

Application November 1, 1943, Serial No. 508,630
5 Claims. (Cl. 178—7.5)



1. A signal translating circuit for a television receiver or the like comprising means for the reception of a composite signal comprising picture signals and periodically recurring synchronizing impulses, the synchronizing impulses having greater amplitude than the picture signals of the same polarity, means for rectifying said signal and including a circuit element across which is produced a voltage proportional to the instantaneous intensity of the rectified signal, means for amplifying the rectified signal and including a circuit element across which is produced a voltage proportional to the excess of the intensity of the synchronizing impulses over the instantaneous intensity of the signal, and means for adding said voltages to produce a voltage proportional to the peak strength of the received signal and suitable for controlling the gain of the receiver.

2,363,300

PRODUCTION OF MOTOR FUEL

Albert Ernest Dunstan, London, and Stanley Francis Birch, Sunbury-on-Thames, England, assignors, by mesne assignments, to Anglo-Iranian Oil Company Limited, London, England

No Drawing. Application July 27, 1937, Serial No. 155,918. In Great Britain July 29, 1936
21 Claims. (Cl. 260—683.4)

17. A process for the production of motor fuel constituents comprising essentially branched chain saturated hydrocarbons boiling within the motor fuel range which comprises reacting a normally liquid polymer of a normally gaseous monoolefin with at least one isoparaffin in the presence of concentrated sulfuric acid of alkylating strength under alkylation reaction conditions.

2,363,301

PRODUCTION OF MOTOR FUEL

Albert Ernest Dunstan, London, and Stanley Francis Birch, Sunbury-on-Thames, England, assignors, by mesne assignments to Anglo-Iranian Oil Company Limited, London, England

No Drawing. Original application July 27, 1937, Serial No. 155,918. Divided and this application February 18, 1941, Serial No. 379,442. In Great Britain July 29, 1936
15 Claims. (Cl. 260—683.4)

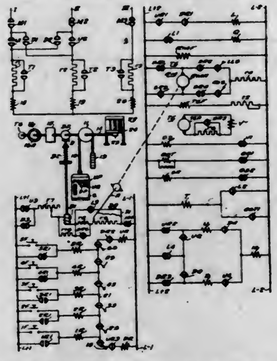
1. A process which comprises condensing at least one isoparaffin with at least one olefin in the presence of concentrated sulfuric acid while correlating the reaction conditions to produce a normally liquid, substantially completely saturated product, the volumetric ratio of the total hydrocarbon present in the reaction zone to the amount of sulfuric acid present therein being maintained between about 1.5:1 and about 4.4:1.

2,363,302

ELEVATOR CONTROL SYSTEM

William F. Eames, Westfield, N. J., assignor to Westinghouse Electric Elevator Company, Jersey City, N. J., a corporation of Illinois

Application September 15, 1942, Serial No. 458,381
9 Claims. (Cl. 187—29)



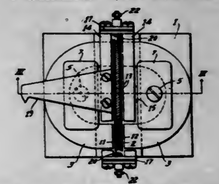
8. In an elevator system, a car, a single-speed motor for operating the car at a normal high speed, an electromechanical brake for stopping and for holding the car in a stopped condition, a circuit for connecting the brake to a source of electric current, and control means for regulating the current in the brake circuit during leveling operations of the car, said control means including a rheostat means connected with the brake circuit, a speed-measuring generator responsive to the speed of the car for providing a supply of energy in accordance with the speed of the car, and self-controlled electromagnetic means responsive to operation of the speed-measuring generator for operating the rheostat means with rapid changes for producing fluctuations in the current in the brake circuit at a frequency of not less than one per second to cause the brake to vibrate at said frequency when controlling the car during leveling operation.

2,363,303

VIBRATION PICKUP

Karl Ehrgott, Baltimore, Md., and Arthur C. Hagg, Forest Hills, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application July 31, 1942, Serial No. 453,076
7 Claims. (Cl. 171—209)



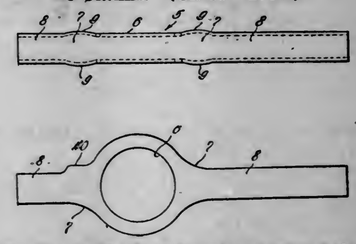
1. An electromagnetic pickup unit for detecting vibrations comprising, in combination, a base, a pair of permanent magnets secured thereto having their opposite poles in confronting relation, a flat movable coil, a plurality of resilient link means for yieldably supporting said coil centrally between the confronting pole faces of said permanent magnets and allowing transverse movement thereof in the plane of the coil only through the magnetic fields formed between the confronting poles, means for transmitting motion from a vibrating element to said coil and into which coil is induced a voltage proportional to transverse movement thereof through said magnetic fields.

2,363,304

METHOD OF FORMING AXLE HOUSINGS

William Jack Stephen Ekins, Buchanan, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan

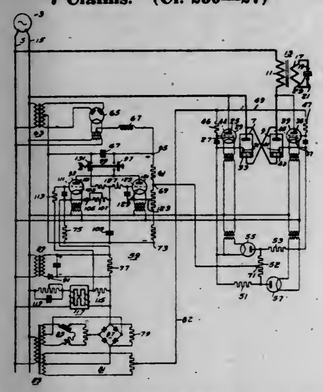
Application April 27, 1942, Serial No. 440,726
6 Claims. (Cl. 29—153.1)



1. In the method of forming a rear axle housing of the offset banjo type, which includes forming a cylindrical banjo section having oppositely extending arms of unequal length, inserting a mandrel in the throat between said banjo section and each arm to form smoothly tapering throat portions by drawing said mandrel and housing into a die, and inserting a second mandrel having a relieved portion into one of said throat portions

and forcing said mandrel and housing again into said die, the novel step of forming a horizontal spring pad seat which comprises forcing metal in said throat surface adjacent said relieved portion radially and angularly inwardly against said relieved portion while maintaining all other portions of throat metal against deformation in any direction.

2,363,305
ELECTRONIC CONTROL SYSTEM
Donald P. Faulk, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 30, 1942, Serial No. 463,989
7 Claims. (Cl. 250—27)



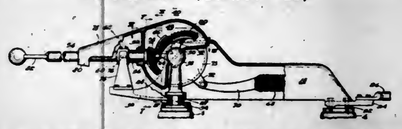
1. For use in supplying power from a source of alternating potential to a load, the combination comprising a pair of electric discharge valves, each having an anode and cathode connected between said source and load and a control electrode, said valves being connected in anti-parallel, a first, second and third impedance means connected in series in the order named between the cathodes of said valves whereby an alternating potential in phase with said source appears across said three impedance means, means responsive to a potential across said three impedance means of such polarity that the cathode connected end of said first impedance means is negative for short circuiting said first and second impedance means, means responsive to a potential across said three impedance means of opposite polarity for short circuiting said second and third impedance means, and means for impressing a control potential between said control electrodes and an intermediate tap on said second impedance means.

2,363,306
PROCESS OF MAKING FLAME COLORING STICKS
Jonathan P. B. Fiske, Newton, Mass.
Original application October 29, 1940, Serial No. 363,240. Divided and this application February 24, 1943, Serial No. 476,942
4 Claims. (Cl. 18—58)



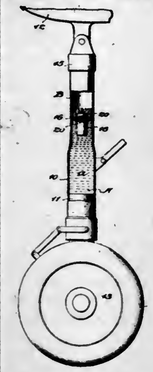
1. That process of making units of flame coloring materials which comprises the steps of supplying discrete particles of a flame coloring agent to a mold, the particles being deposited at the bottom of the mold in a loose mass of considerable depth, pouring a liquefied carrier into the mold wherein it mixes with the agent and substantially fills the interstices between the particles throughout said mass, and allowing the carrier to set with the agent mixed therein.

2,363,307
CIRCUIT INTERRUPTER
Fritz E. Florschutz, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 27, 1943, Serial No. 488,622
13 Claims. (Cl. 200—48)



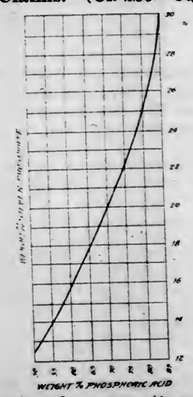
1. In a switch, a contact, a switch blade mounted for rotation substantially about its longitudinal axis into and out of high pressure engagement with said line contact when in proximity thereto, means pivotally mounting said blade for movement about an axis at an angle to said axis of blade rotation for pivotal movement to and away from a position in proximity to said contact, rotatable actuating means for said blade, cooperating gear means on said blade and actuating means, each of said gear means having a portion shaped to be engaged at a point which is at a fixed distance from the longitudinal axis of said blade, for rotating said blade about its longitudinal axis without movement of said blade about said pivot axis when said blade is in proximity to said contact, and at least one of said gear means having a portion shaped to engage the corresponding part of the other gear means at progressively increasing distances from the longitudinal axis of said blade to cause pivotal movement of said blade about said pivot axis at a point in said rotational movement of said blade where said blade is out of high pressure engagement with said contact.

2,363,308
SHOCK ABSORBER
Nevin S. Focht, Syracuse, N. Y.
Application November 6, 1943, Serial No. 509,304
6 Claims. (Cl. 267—64)



1. A shock absorber comprising a pair of members movable relative to each other in response to imposition upon the shock absorber of impact loads, said shock absorber including a compressed air-containing chamber, a liquid-containing chamber, and a liquid metering valve comprising a casing and a hollow piston reciprocable therein for controlling flow of liquid from said liquid-containing chamber, said casing and piston having registered ports in their side walls for flow of liquid from said liquid-containing chamber, said ports being shaped to afford a different effective combined port area for each different position of said piston longitudinally relative to said casing, said members being effective when moved relative to each other by imposition of an impact load upon the shock absorber to force liquid from said liquid-containing chamber through said ports and thereby to raise the pressure of the air in said air-containing chamber, said piston being exposed at one end to the pressure of the air in said compressed air-containing chamber whereby it is urged in one direction by the pressure of the air in said compressed air-containing chamber, and yieldable means constantly urging said piston in the opposite direction and of a strength in relation to the air pressure to insure a different definite position of said piston and a different effective area of said ports for each different pressure of the air in said air-containing chamber.

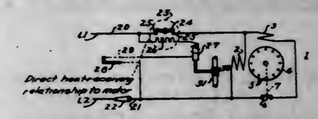
2,363,309
PROCESS FOR THE SEPARATION OF AN UNSATURATED HYDROCARBON FROM A MIXTURE CONTAINING THE SAME
Bernard S. Friedman and Russell F. Stedman, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application September 28, 1942, Serial No. 459,940
16 Claims. (Cl. 260—677)



1. A process for the separation of an unsaturated hydrocarbon from a hydrocarbon mixture containing the same which comprises contacting the mixture with a separating agent comprising a silver salt solution in an acid of phosphorus.

2,363,310
DELAYED-START CONNECTION FOR ELECTRIC MOTORS
Dwain E. Fritz, Wapakoneta, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 14, 1942, Serial No. 450,844
8 Claims. (Cl. 172—279)

1. A delayed-start and -stop electric motor having a main primary winding and an auxiliary primary winding, means for connecting said windings to a single-phase supply line, said connecting means including a thermally-responsive switch, said switch having contacts which are normally open and being adapted to close its contacts when it is heated to a predetermined tem-

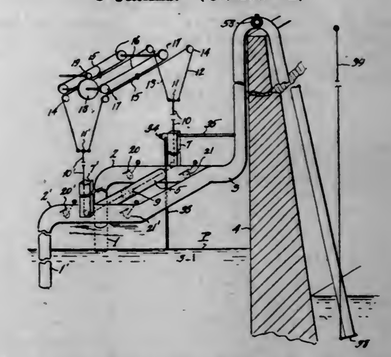


perature, said thermally-responsive switch being located in direct heat-receiving relation to the motor, an electric heating element for said switch, and means for effectively energizing said electric heating element from the supply line and for de-energizing the electric heating element to effect starting and stopping of the motor.

2,363,311
PLANOGRAPHIC PRINTING PLATE
Arthur Garrett, Bethel, Conn., assignor to Dun & Bradstreet, Inc., a corporation of Delaware
No Drawing. Application June 11, 1942, Serial No. 446,628
2 Claims. (Cl. 101—149.2)

1. A planographic printing plate comprising an unbacked sheet of supercalendered amyloid parchment paper having a surface whose smoothness measures approximately 47 seconds when tested by a William's smoothness tester, and whose gloss as measured by a Bausch & Lomb glossmeter is approximately 40.

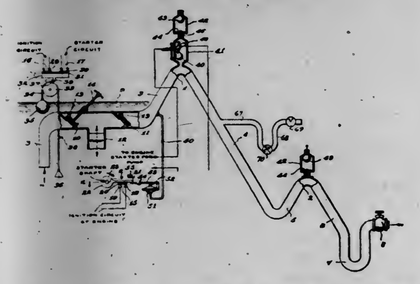
2,363,312
COMBINED PUMP AND SIPHON SYSTEM
Patrick Gavin, Brooklyn, N. Y.
Application April 24, 1943, Serial No. 484,410
5 Claims. (Cl. 103—1)



1. A system of the character described comprising a pair of inlet pipes spaced apart and connected to a common exhaust pipe, said pipes constituting inlet and exhaust legs of the system, a cylinder extending between the spaced inlet pipes and having therein a piston, cables secured to the opposite ends of the piston and which cables are also secured to power operated means to alternately take up on each cable as the other cable is played out for the purpose of reciprocating the piston in said cylinder, inlet and discharge valves positioned in the inlet pipes to supply liquid to the cylinder and to discharge the liquid from the cylinder, said cables passing through liquid traps beyond the opposite ends

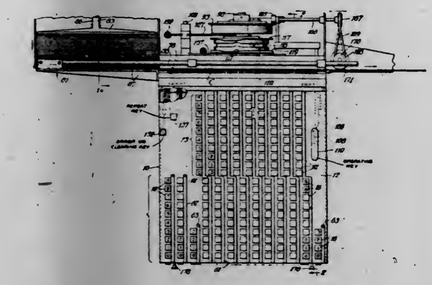
of the cylinder to seal the system against the entrance of air, whereby the system may be used to syphon water when the descending liquid column in the exhaust leg is longer than the ascending liquid column in the inlet leg, and means for holding said inlet and exhaust valves unseated during such water siphoning.

2,363,313
COMBINED PUMPING AND SIPHONING SYSTEM FOR LIQUIDS
Patrick J. Gavin, Brooklyn, N. Y.
Application June 7, 1944, Serial No. 539,206
15 Claims. (Cl. 103—1)



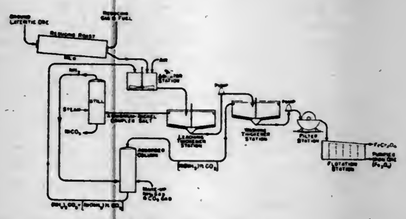
1. A combination pumping and siphoning system comprising; a siphon tube having feed and outlet legs and provided at the juncture of said legs with automatically operable air outlet relief means operable to automatically release air from the apex of the siphon tube, and a pump connected to the inlet leg of the siphon tube below the juncture of said legs to pump liquid through the tube.

2,363,314
SLOTTING MACHINE
Hyman E. Golber, Chicago, Ill., assignor to Multi-Sort Systems Incorporated, Chicago, Ill., a corporation of Illinois
Application October 7, 1942, Serial No. 461,177
39 Claims. (Cl. 164—112)



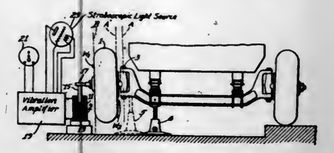
1. A machine for notching perforated cards of indexing systems comprising a plurality of punches arranged for simultaneously notching a card at any perforation or group of perforations on all edges thereof, key operated means for selectively moving the desired punches in a direction at right angles to the plane of the card, to a position adjacent the card in operative relation thereto for so notching said card, and means cooperating with the positioned punches for causing said positioned punches to simultaneously notch the card.

2,363,315
TREATING LATERITIC ORES
John D. Grothe, Weston, Conn., assignor to The Dorr Company, New York, N. Y., a corporation of Delaware
Application May 16, 1942, Serial No. 443,323
2 Claims. (Cl. 75—21)



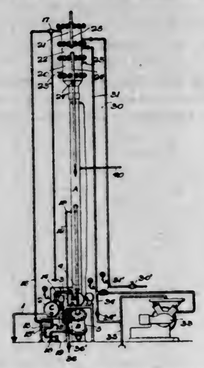
1. The process of treating lateritic oxidic iron ore having a natural content of nickel values and chromite to recover selectively in purified form its ferruginous constituents, which comprises subjecting such constituents by reducing heat treatment carried out for substantially not less than one hour at substantially not less than 900° C. for converting them from slimy compounds lighter than the chromite into iron compounds that are granular and heavier than chromite while minimizing the production of metallic iron, establishing a suspension of the resulting mass in water, and subjecting such suspension to two treatment steps of which one is leaching nickel values from such suspension and the other is classifying particles of the lighter chromite and of such heavier iron compound for selectively separating them.

2,363,316
VEHICLE WHEEL BALANCING
Arthur C. Hagg, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 31, 1942, Serial No. 453,075
13 Claims. (Cl. 73—66)



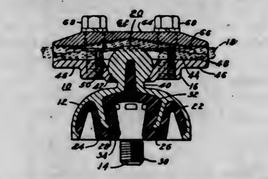
1. The method of balancing a vehicle wheel while mounted on a wheel assembly resiliently suspended from a vehicle comprising the step of placing supporting means beneath said wheel assembly to elevate said wheel above ground and positioning said means at a nodal point as to provide a single-degree-of-freedom vibration system for the assembly so that its vibratory motion is confined to a single plane and has a fixed supported point at which such motion is zero, connecting a vibration pickup device directly with said assembly to measure the amplitude of the vibratory motion of said wheel, rotating the wheel, and securing weight to said wheel after measurement of said vibratory motion at such point as to correct the unbalanced condition therein thereby eliminating said vibratory motion.

2,363,317
APPARATUS FOR FRACTIONATING NATURAL GAS
John L. Hall, Charleston, W. Va., assignor of one-half to Danciger Oil and Refineries, Inc., Fort Worth, Tex., a corporation of Texas
Original application December 28, 1939, Serial No. 311,415, now Patent No. 2,295,211, dated September 8, 1942. Divided and this application June 3, 1940, Serial No. 338,601
9 Claims. (Cl. 62—122)



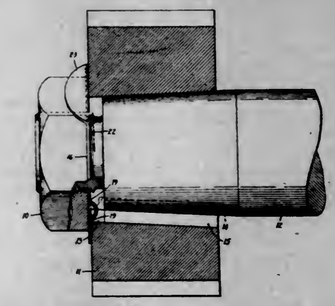
8. In an apparatus for fractionating high pressure hydrocarbon gases a fractionating tower, a gas feed line connected with a lower section of the tower, a heat exchanger in said line, a reboiler unit connected with the lower end of the tower, a gas line connected at one end to the reboiler unit and at the other end to an intermediate section of the tower, a condensate line connected at one end to the reboiler unit and at the other end to heat exchanger, a liquid line connected at one end to the heat exchanger and at the other end to an intermediate section of the tower below the said gas line and adapted to feed condensate to the tower for direct scrubbing contact with the preheated raw gas; an expansion chamber heat exchanger positioned in the upper section of the tower, a line connecting the heat exchanger with the expansion chamber and including a pressure reducing means whereby condensate from the heat exchanger is flashed in said expansion chamber exchanger to cool gases by indirect heat exchange and separate lines to withdraw cooled rectified gas and the expanded condensate respectively.

2,363,318
INSULATED HANGER
Raymond P. Hanna and Bennie A. Rose, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 24, 1940, Serial No. 315,336
6 Claims. (Cl. 174—160)



1. An adjustable hanger for attachment to a span wire comprising, a body member having a substantially spherical projection on the upper side connected thereto by a reduced neck portion, a support member positioned below the wire having a groove on the upper side to receive the wire and having an opening therethrough alined with the groove to receive the reduced neck portion of the body member, said opening being provided with a substantially spherical recess at the upper end of the opening to receive and retain the spherical projection of the body member whereby the body member is universally suspended in axial alinement with the span wire, a clamp member positioned above the span wire, and means operatively connecting the clamp and support members for biasing the members together to simultaneously grip the span wire and lock the spherical projection in fixed relation in the recess.

2,363,319
LOCK WASHER
David H. Hanson, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application November 13, 1943, Serial No. 510,153
2 Claims. (Cl. 151—53)

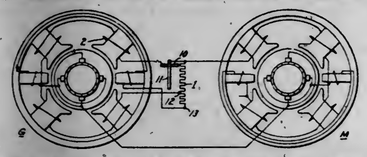


1. A lock washer having an annular portion adapted to be interposed between a flat-sided nut and the surface of another element, said annular portion having a diameter larger than the nut and being adapted to have a portion arranged in engagement with one of the flat sides of the nut for preventing relative rotation between the nut and said lock washer, and a locking element comprising a punched-out projecting section in said annular portion secured at two opposite ends to the continuous part of the annular portion of the lock washer and having substantially flat side edges arranged substantially at right angles to the direction of turning of said nut for engagement with the sides of a complementary opening in the other element for preventing relative rotation between the lock washer and the other element.

2,363,320
SERIES VARIABLE SPEED DRIVE
William R. Harding, Murrysville, Pa., and Scott H. Hanville, Jr., Huron, Ohio, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 11, 1941, Serial No. 418,629
9 Claims. (Cl. 172—239)

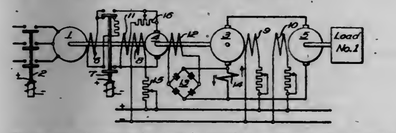
1. In a motor drive circuit, in combination, a series generator coupled to the motor means of the constant speed type to thus be driven at substantially constant speed, said series generator having a series field winding and a com-

mutating field winding having a magnetic pole structure of a large magnetic capacity relative to the magnetic capacity of the rotor of the motor, a series motor connected in a loop circuit with the generator to be electrically driven thereby, said motor and generator having magnetic circuits designed to have a residual magnetism from 12% to as low as 4% of the no-load saturation flux, an adjustable resistor for controlling the current in the series field winding of the generator disposed to have a selected portion thereof connected in shunt relation to the series field winding of the generator, an adjustable lead so connected to the series field



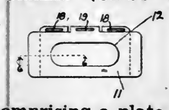
winding and the adjustable resistor that the portion not shunting the series field winding of the generator is also shunted out of the loop circuit, a portion of said adjustable resistor being so arranged in relation to the adjustable lead that at the low voltage operation of the generator the polarity on the series field winding of the generator may be reversed to buck down the residual of the generator to effectively prevent creepage of the motor, thereby stopping the motor, said mentioned large magnetic capacity of the pole structure of the commutating field winding being of such magnitude as to prevent shifting of the current sheet at low speeds to thus increase the motor torque at low speeds.

2,363,321
MOTOR CONTROL SYSTEM
William R. Harding, Export, Pa., and Scott H. Hanville, Jr., Huron, Ohio, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 19, 1942, Serial No. 447,688
5 Claims. (Cl. 172—239)



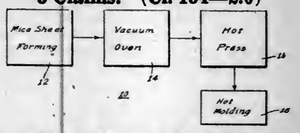
1. In an electric system of control, in combination, a source of alternating-current, a load, an alternating-current dynamo-electric machine disposed to be connected to said source of alternating-current and designed either to operate as a synchronous motor driving said load or as an alternator, driven by the load, to feed electric energy back into the source of alternating-current, said load comprising an exciter and a generator, which generator is designed to also be able to operate as a motor to drive the exciter and dynamo-electric machine as exciter and alternator respectively, a motor electrically connected in a loop circuit with the generator, said motor being designed to also operate as a generator, a mechanical load coupled to the motor, said mechanical load having a load characteristic that varies from a given maximum positive value to a given negative value, a source of direct current, said exciter, generator, and motor each having a field winding connected to the source of direct current, control means for controlling the excitation of these field windings in any desired manner, a full-wave rectifier connected to spaced points of the loop circuit to thus produce a unidirectional output voltage as a direct function of the change in absolute value of the current in the loop circuit, a second field winding on the exciter, acting cumulatively with the first field winding, connected to the output circuit of the rectifier, and a field winding in the dynamo-electric machine connected to the armature terminals of the exciter.

2,363,322
FASTENER
Frank Headon, New York, N. Y.
Application September 2, 1943, Serial No. 500,899
5 Claims. (Cl. 24—245)



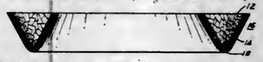
1. A clasp comprising a plate having a convex face with a projection of which the edge constitutes a shoulder with oppositely facing undercut portions in a direction of curvature of said face, and a resilient plate having a face to cooperate with said convex face in clamping fabric and the like therebetween and provided with an opening having slightly, larger dimensions than those of the projection to receive and hold said projection and fabric thereon.

2,363,323
HIGH-PRESSURE LAMINATED MATERIAL
Lawrence R. Hill, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 17, 1941, Serial No. 423,372
3 Claims. (Cl. 154—2.6)



1. The method of producing high compression strength laminated mica members which comprises applying an alcoholic solution of substantially iron-free shellac to mica flakes to produce sheets of from 0.005 to 0.020 inch in thickness, subjecting the unpressed sheets to vacua of 20 inches of mercury and higher and a temperature of from 20° C. to 80° C. for 4 to 20 hours, the time varying inversely with temperature, and laminating a predetermined number of sheets under pressure and temperature to produce the laminated member.

2,363,324
ELECTRICAL INSULATION
Lawrence R. Hill, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 23, 1942, Serial No. 444,271
2 Claims. (Cl. 154—2.6)

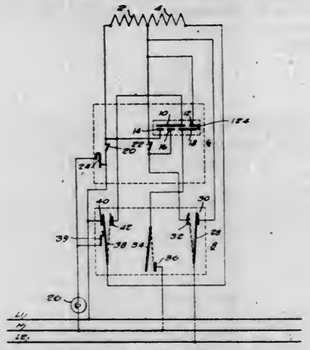


1. Molded V-ring insulation capable of being applied to commutators of rotating electrical apparatus operating at high speeds, the insulation comprising mica flakes and a binder applied to the mica flakes, the binder composed of substantially solvent-free and iron-free shellac, the shellac containing less than 0.1% solvent, and a reinforcing fabric of glass fibers carrying a polymerized vinyl derivative applied to the mica flakes at the outside of the V to prevent cracking or opening up of the apex of the V under pressure.

2,363,325
TREATMENT OF PLANTS
Albert E. Hitchcock and Percy W. Zimmerman, Yonkers, N. Y., assignors to Boyce Thompson Institute for Plant Research, Inc., a corporation of New York
No Drawing. Application July 14, 1943, Serial No. 494,704
7 Claims. (Cl. 47—58)

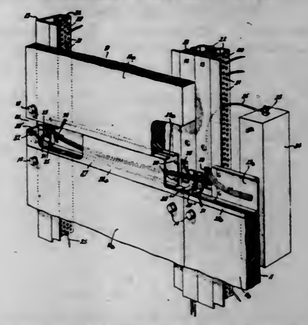
4. The improved method of treating plant buds to control their development which comprises applying to the plant buds in the period during summer and extending into early autumn a plant hormone of such character and in such concentration that the effect of the hormone in controlling the development is manifested during the growing season following dormancy by a delay of from a few days to about three weeks.

2,363,326
ELECTRIC HEATING APPARATUS
Charles H. Hodgkins, Fairfield, Conn., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 12, 1940, Serial No. 369,819
6 Claims. (Cl. 219—20)



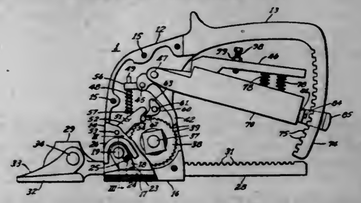
4. In electric heating apparatus, the combination of resistance means energizable at different rates for providing different degrees of heating, first means connected with said resistance means for normally controlling energization of said resistance means and movable to a plurality of selective positions corresponding to different degrees of heating of the resistance means and to an off position, second means connected with said first means and said resistance means for controlling energization of the resistance means and movable manually to an active position wherein said resistance means is energized at a rate substantially equal to the highest degree of heat obtainable by said first means when said first controlling means is adjusted to any one of said plurality of selective positions, and at a predetermined lower rate when said first controlling means is at its off position, and adjustable timing means operatively associated with said second means for rendering the second controlling means inactive after a predetermined period of operation and for conditioning the resistance means for energization at the rate determined by the adjustment of the first controlling means.

2,363,327
ELECTRIC PANEL BOARD
Raymond L. Hodgkins, Yeadon, and Franklin W. Lewis, Aldan, Pa., assignors to General Electric Company, a corporation of New York
Application October 4, 1943, Serial No. 504,950
7 Claims. (Cl. 175—371)



1. A panel board comprising a pair of flat surfaced panels mounted in a common plane so as to define a small horizontally extending gap between said panels, electric devices mounted on said panels, terminals for said devices on one side of said panels, a horizontal wiring trough extending across said panel in the gap between said panels so as to fill said gap and give said panel board a unitary appearance, and circuit wires extending from terminals on said panels through said horizontal wiring trough, said wiring trough comprising a removable cover providing access thereto from the front of said panel board.

2,363,328
STRAP STRETCHING DEVICE
Fred H. Hofing, Sharpsville, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 24, 1943, Serial No. 511,549
8 Claims. (Cl. 254—79)



1. The combination in a strap stretching device, of a pair of relatively movable members, means carried by each of said relatively movable members and constructed to grip the ends of a flat metal strap with said ends overlapping one above the other, and means for moving said relatively movable members away from each other for drawing the strap taut about an article and maintaining said overlapping portions in taut condition, a pair of levers mounted at their inner

ends on the frame of the device and extending outwardly therefrom in the same general direction, a plurality of compressible members positioned between said two levers and spaced at intervals along the length thereof for transferring force applied to one of said levers to the other of said levers for operating the stretching device, and means operable upon the application of a predetermined force between said levers for locking the lever to which the force is first applied against further movement.

2,363,329
METHOD OF MAKING ELECTRICAL HEATING ELEMENTS
Basil Horsfield, Pittsburgh Pa., assignor, by mesne assignments, to Edwin L. Wiegand Company, Pittsburgh, Pa., a corporation of Pennsylvania
Original application July 24, 1940, Serial No. 347,185. Divided and this application April 26, 1941, Serial No. 390,566
8 Claims. (Cl. 18—59)



1. The method of making an electrical heating element which comprises mixing magnesium oxide and phosphoric acid in predetermined proportions, drying the resultant mass to a sticky putty-like product of slight acidity, mixing said product in selected proportion with particles of heat-conducting electrical-insulating material to form a plastic material of desired workability, embedding a resistor in a mass of said plastic material, and applying heat to harden said mass of plastic material.

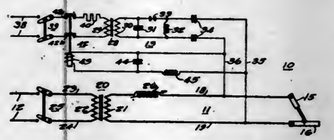
2,363,330
SAFETY PAPER AND PREPARATION THEREOF
Donald T. Jackson and John L. Parsons, Erie, Pa., assignors to Hammermill Paper Company, Erie, Pa., a corporation of Pennsylvania
No Drawing. Application July 22, 1940, Serial No. 346,870
20 Claims. (Cl. 117—1)

16. A method of preparing safety paper comprising treating paper with a solution of a light stable substantially colorless organic compound having at least one six membered unsaturated heterocyclic ring containing two hetero atoms para to each other, at least one of said hetero atoms being nitrogen.

2,363,331
METHOD OF MAKING MOTOR FUEL
Joseph Hidy James, Pittsburgh, Pa., assignor to Clarence P. Byrnes, Pittsburgh, Pa., as trustee
No Drawing. Application September 14, 1940, Serial No. 356,833
9 Claims. (Cl. 196—50)

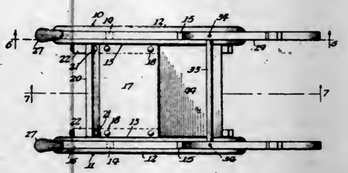
1. In the method of making motor fuel, the steps comprising partially oxidizing a petroleum fraction in the presence of free oxygen to produce a product containing a mixture of oxygen derivatives of hydrocarbons of different molecular weights in the range from aliphatic alcohols to oxygenated organic acids, thereafter thermally decomposing at a temperature of at least about 325° C. a portion of the product containing hydrocarbons of greater carbon content than gasoline under superatmospheric pressure in the presence of a dehydrating catalyst capable of dehydrating the hydrocarbons under said thermal decomposing conditions to produce a fuel of lower average carbon content than said product and which contains cyclic bodies to a material amount, and then fractionating the cracked product to produce motor fuel.

2,363,332
ARC-STABILIZING CIRCUITS
Charles H. Jennings, Forest Hills, and Alfred B. White, Murrysville, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 3, 1942, Serial No. 467,719
6 Claims. (Cl. 315—174)



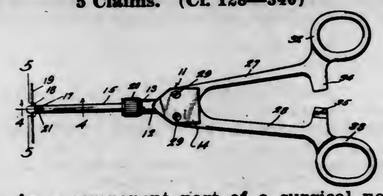
1. The combination with a relatively low frequency arc circuit, of means producing a relatively high-frequency arc-stabilizing voltage in the arc circuit, control means effective to change the output of said means, and circuit means controlling the operation of the control means in response to predetermined arc-circuit conditions so that a relatively high arc stabilizing voltage is produced while the arc circuit is closed, and a relatively low voltage which assists in completing the arc circuit but does not burn or sting an operator is produced when the arc circuit is interrupted.

2,363,333
ROCKER
Herbert S. Johnson, Chicago, Ill.
Application November 25, 1943, Serial No. 511,663
5 Claims. (Cl. 272—52)



1. A rocker comprising two spaced apart complemental side frames, each of said frames comprising two plates with spacers therebetween a seat detachably mounted between the frames and serving to tie them together, vertical supporting members pivotally and detachably mounted between the plates in the front portions of the respective frames, rockers secured to the lower portions of said supporting members, a second pair of supporting members pivotally and detachably mounted between the plates in the rear portions of the respective frames, rockers secured to the lower portions of said last named supporting members, a cross rod detachably secured to the two first named rockers, a cross rod detachably secured to the two second named rockers, and link means between the two cross rods for holding them in spaced relation.

2,363,334
SURGICAL NEEDLE HOLDER
William O. Jones, Baltimore, Md.
Application March 2, 1943, Serial No. 477,742
5 Claims. (Cl. 128—340)



1. As a component part of a surgical needle holder of the class described, a body including spaced parallel furcations and a socketed extension, said extension having a guide passage in alignment with the socket and being externally screw-threaded to accommodate an assembling nut, a pair of levers having corresponding inner ends pivotally mounted between said furcations, the pivoted ends of the levers being provided with thrust shoulders, a sheath-like tube to accommodate a companion reciprocatory needle engaging and retaining pin, said tube being provided at its outer end with surgical needle accommodation means, the inner end being provided with a flange, said flange resting in abutting relation with said extension on said body, and a nut embracing the sheath and flange and threadedly engaged with the extension, whereby to provide a separable connection between the extension and sheath.

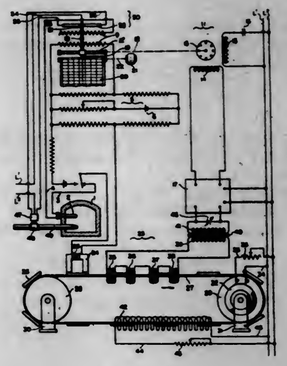
2,363,335
STEERING MEANS FOR WATERCRAFT
Morris Katcher and Stanley W. Walker, New York, N. Y.
Application July 23, 1942, Serial No. 451,998
4 Claims. (Cl. 114—144)



4. In a watercraft, a conduit extending through the bow of the craft, the forward portion of the conduit extending in a substantially stem to stern direction while its rear portion extends transversely in the forward portion of the craft, the front of the forward portion being open and below the waterline, receiving water due to the forward propulsion of the craft, the rear portion of the conduit extending to both sides of the craft below the waterline at the forward portion of the latter to discharge from the sides of the craft the water so received, a chamber provided at the junction of said portions, and a valve stem mounted to rotate in the chamber, said stem deflecting by the impact thereof against it the water received from said forward portion, directing the water so deflected to issue from said rear portion on one side of the craft or the other in accordance with the angular position of the stem in said chamber, thereby effecting the steering of the craft away from the side to which the water is deflected.

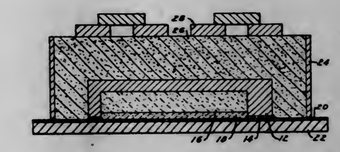
2,363,336
MEASURING AND CONTROL APPARATUS
Earl A. Keeler, Norristown, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 13, 1941, Serial No. 383,149
14 Claims. (Cl. 172—239)

1. Measuring apparatus including means for producing a minute unidirectional electromotive force to be measured, a source of known electromotive force, means to oppose said electromotive forces to derive a differential electromotive force, means to establish a magnetic field in one direction or the other and of an intensity depending upon the polarity and magnitude of said differential electromotive force, a plurality of members composed of magnetic material, a coil,



means to subject said members to the influence of said magnetic field to magnetize them and thereafter to subject said coil to the influence of each of said members in succession to induce a fluctuating electromotive force in said coil, and means to utilize the fluctuating electromotive force induced in said coil to effect a balance between said opposed electromotive forces.

2,363,337
MOLD AND PROCESS OF MAKING IT
James M. Kelly, Trafford, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 12, 1941, Serial No. 418,728
12 Claims. (Cl. 148—3)



1. In the process of reinforcing a mold member, the steps of, plating a thin film of chromium on the facing edge of the mold, allowing the film of chromium to become oxidized, applying to the back of the mold a metal in a finely divided state, and impregnating the finely divided metal with a metal having a lower melting point and being capable of wetting the finely divided metal and the mold thereby to bond the finely divided metal into a strong supporting member which is bonded to the mold, the thin film of oxidized chromium on the facing edge of the mold prevening the metal having the lower melting point from flowing to and wetting the working face of the supported mold.

2,363,338

PROCESS FOR THE MANUFACTURE OF ENOL ETHERS OF α,β-UNSATURATED STEROID KETONES

Heinrich Köster, Berlin-Charlottenburg, Germany, assignor to Schering Corporation, Bloomfield, N. J., a corporation of New Jersey

No Drawing. Application June 8, 1940, Serial No. 339,486. In Germany June 16, 1939
20 Claims. (Cl. 260—397.4)

1. Process for the manufacture of enol ethers of α,β-unsaturated steroid ketones comprising reacting an α,β-unsaturated ketosteroid with an alcohol and removing the water formed during reaction.

2,363,339

METHOD OF BEAUTIFYING AND PROTECTING SURFACES OF ALUMINUM AND ALUMINUM ALLOYS

George Kraft, Englewood, N. J., and Nathan L. Solomon, Mount Vernon, N. Y.

No Drawing. Application December 11, 1941, Serial No. 422,596
4 Claims. (Cl. 204—58)

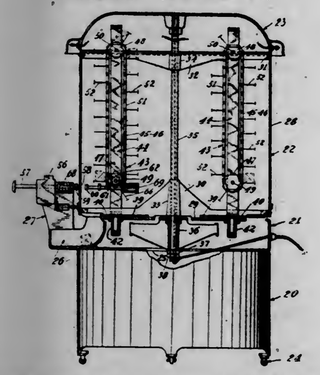
1. The herein described electro chemical process which comprises; subjecting a body of cleaned aluminum as an anode to a solution consisting essentially of water and substantially 5–40% by volume of hydrofluosilicic acid only and under electrical pressure of about 6 to 40 volts for a time sufficient to provide a surface finish on said body emanating iridescent colors.

2,363,340

DISPENSING APPARATUS

Alexander J. Lau and Ralph Donath, Pittsburgh, Pa., assignors of one-third to John C. Green, Pittsburgh, Pa.

Application December 16, 1940, Serial No. 370,312
5 Claims. (Cl. 312—96)



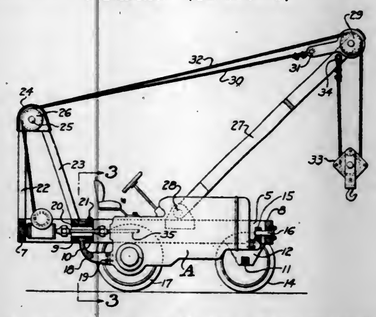
1. In a dispensing device of the character described comprising a base provided with a discharge chute at a point about its periphery, a top and a cylindrical casing interposed between the base and the top; said casing provided with a platform rotatable about a vertical axis; a plurality of tables radially arranged on said platform in position to successively move into position adjacent the chute when the platform is turned, each table supporting an endless conveyor arranged to move vertically about horizontal axes and provided with a plurality of outwardly extending, equally spaced trays, each adapted to support an article of merchandise; means to rotate said platform in a horizontal plane to move a selected table into position adjacent the chute, and means to operate the conveyor adjacent the chute and advance its trays a distance equalling the pitch of said trays and cause an article resting upon one of the trays to be dropped into the chute.

2,363,341

CRANE ATTACHMENT FOR TRACTORS

Frank P. Lawler, Chicago, Ill., assignor to Service Supply Corporation, Philadelphia, Pa., a corporation of Pennsylvania

Application November 11, 1943, Serial No. 509,929
5 Claims. (Cl. 212—8)



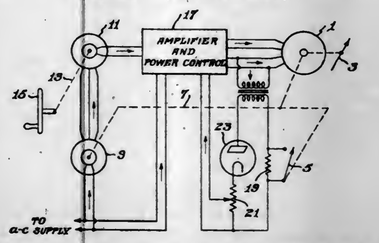
1. A crane structure of the character described comprising a rectangular shaped frame having a front and a rear end, an axle rigidly secured to the front end of the frame, a pair of steering wheels one on each end of the axle and forming a two-point support for the front end of the frame, a tractor disposed within the frame, driving wheels on the tractor supporting the rear end thereof, a pivotal connection between the front end of the frame and the tractor and supporting the front end of the tractor, a pivotal connection between the rear end of the tractor and the frame and supporting the rear end of the frame, said last-named pivotal connection forming a third point of support for the frame, a two-drum hoist supported by the frame, and a boom pivotally supported on the frame and operated by the hoist.

2,363,342

SERVO SYSTEM

Robert N. Lesnick, Camden, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application July 29, 1942, Serial No. 452,757
7 Claims. (Cl. 172—239)



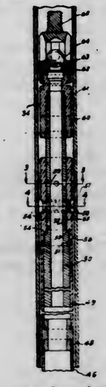
1. A servo system including an input shaft, an output shaft, means for deriving a control signal related to the difference in the angular positions of said shafts, means responsive to said signal to control a motor connected to said output shaft so as to drive said output shaft toward positional agreement with said input shaft, means responsive to the counter electromotive force of said motor to produce a second signal tending to oppose said control signal, and means responsive to the speed of said motor to vary the magnitude of said second signal.

2,363,343

GAS ELIMINATOR

Robert M. Lindgren, Detroit, Mich., assignor to Deep Wells, Inc., Detroit, Mich., a corporation of Michigan

Application September 22, 1941, Serial No. 411,877
12 Claims. (Cl. 103—203)



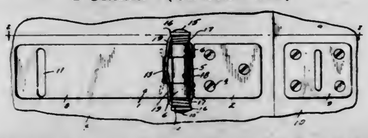
1. In a pump mechanism of the class described, adapted for operation while immersed in liquid, a pump barrel having a liquid receiving chamber therein; a tubular plunger, said plunger and said barrel being associated in telescopic relation and slidable longitudinally of each other; a valve mechanism at each end of said chamber for opening and closing the same, said valves being arranged so that one valve is open when the other is closed and vice versa; and means for bleeding a liquid into said chamber between said valve mechanisms through said plunger.

2,363,344

HASP FOR PADLOCKS

Edward D. Livenick, Chicago, Ill.

Application November 20, 1942, Serial No. 466,311
1 Claim. (Cl. 292—281)



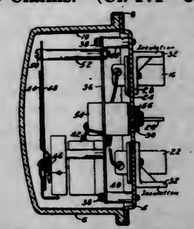
A hasp comprising an anchoring plate, and a latch plate, a hinge connecting said plates for swinging of the latch plate into and from overlying relation to the anchoring plate and including a hinge barrel and a hinge pintle having headed ends extending out of the ends of the hinge barrel, and a spring member for urging said latch plate away from such overlying relation comprising a pair of coils circumposed on said extending ends of said pintle, respectively, a straight section connecting the coils at inner ends thereof and bearing against one side of the anchoring plate, said latch plate having an opening therein adjacent said barrel, and said spring having a pair of straight sections forming extensions of the other ends of said coils and extending oppositely across the latch plate in crossed relation through said opening in overlapping relation to the sides of the opening whereby said ends are slidably interlocked with said latch plate.

2,363,345

DETACHABLE INSTRUMENT

Paul MacGahan, Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application April 1, 1942, Serial No. 437,245
3 Claims. (Cl. 171—34)



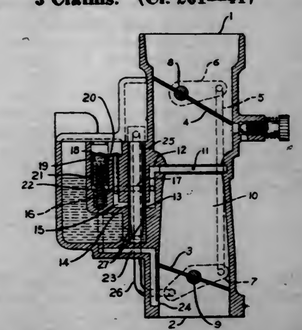
2. In a detachable type electrical instrument including a casing having a plurality of contact blades projecting from the base thereof for mounting on any one of a plurality of sockets each socket having contact jaws mounted therein disposed in a different pattern in each socket depending upon the type of external circuit with which the socket is to be connected and positioned to receive certain of the contact blades of the instrument casing, an instrument movement including a winding mounted in said casing, a selector switch mounted in said casing, and electrical connections between said switch, contact blades and winding for selectively connecting said winding between desired pairs of blades in accordance with the connections of said jaws in said external circuits, said switch having an operating means accessible from outside said instrument casing before the casing is mounted on a socket.

2,363,346

CARBURETOR

Marion Mallory, Detroit, Mich.

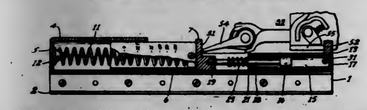
Application March 2, 1942, Serial No. 432,946
3 Claims. (Cl. 261—41)



1. A carburetor for an internal combustion engine comprising a housing with a passageway therethrough having an inlet and an outlet, a throttle valve in said passageway, a fuel nozzle, a fuel bowl, a passageway including two branches

between the nozzle and the fuel bowl, a metering pin controlling the flow of fuel from the fuel bowl into the two branches, said metering pin having tapered faces adjacent the fuel inlet ends of said branches and operating in unison with the throttle to increase the flow of fuel through the two branches when the throttle is moved toward open position and to decrease the flow of fuel through the two branches when the throttle is moved toward closed position, a positive connection between said metering pin and the valve, and a vacuum controlled valve for shutting off one of said branches when the vacuum in said passageway between the throttle and the outlet increases above a predetermined point whereby the fuel mixture is made leaner.

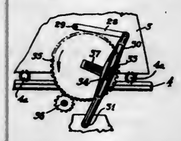
2,363,347
CALIBRATING TOOL
Nick Mars, Sharon, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 7, 1944, Serial No. 517,343
6 Claims. (Cl. 73—141)



1. The combination in a calibrating tool, of a pair of spaced apart relatively movable abutment members arranged to receive between opposed surfaces thereon a pair of relatively movable heads of a strap-stretching tool for applying an increasing pressure on a strap upon movement of the heads of the tool away from each other, an elongated base upon which said pair of abutment members are mounted, one of the abutment members being fixedly mounted at one end of the base and the other being mounted for movement on a track provided on the base, a calibrating sleeve extending from the movable abutment member in a direction away from the fixed abutment member and a guide cylinder fixedly attached to the other end of the base for receiving said sleeve and having a closed end, a calibrating spring within the sleeve and guide cylinder having one end engaging the closed end of the cylinder and the other end engaging the movable abutment member resisting movement of it in a direction away from the fixed abutment member, indicating means responsive to the relative movement of the cooperating sleeve and cylinder and responsive to the relative movement thereof for indicating the pressure applied between the abutment members by the strap-stretching tool being calibrated, a guide rod extending from the movable abutment member through a bore in the fixed abutment member for assisting in guiding the movable abutment member, and a spacing spring about the guide rod between the two abutment members.

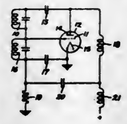
2,363,348
GRADING DEVICE
Sturge C. Maurice, Kittanning, Pa.
Application June 18, 1942, Serial No. 447,489
2 Claims. (Cl. 209—315)

1. In combination in a grading device a trough-shaped structure mounted for reciprocatory movement, a conveyor floor inclined to the horizontal, extending substantially in the direction of movement of said structure and fixedly secured thereto above the bottom thereof and including at least one grading screen intermediate its ends, a swinging screen located within said structure, suspended from the walls thereof below said first-mentioned screen and inclined to the horizontal, stops for limiting the swing of said swinging screen located at opposite ends thereof, one such



stop engaging the upper end of said screen and so positioned that said screen is normally held against it by the weight thereof and means for reciprocating said structure and moving it more rapidly in the direction of travel of material over said floor than in the opposite direction.

2,363,349
ELECTRON DISCHARGE CIRCUIT
William W. Moe, Stratford, Conn., assignor to General Electric Company, a corporation of New York
Application April 24, 1942, Serial No. 440,313
4 Claims. (Cl. 250—36)

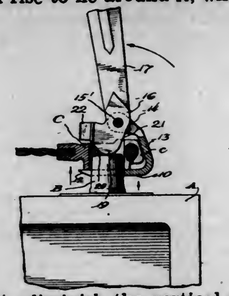


4. In combination, an oscillating circuit including an electron discharge device having an anode, a cathode and a control electrode, means providing regenerative coupling between said anode and said control electrode to support oscillations, a resistance connected between said control electrode and said cathode across which operating bias potential for said control electrode is developed by reason of said oscillations, said discharge device having a tendency to produce an excessive negative bias potential across said resistance periodically to decrease the anode current of said device and to block said oscillations, and means responsive to said decrease of anode current for developing and supplying to said control electrode a potential opposed to said negative bias potential thereby to reduce said tendency to block said oscillations.

2,363,350
TOOL FOR SERVICING BATTERY TERMINALS
Walter P. Nail, Toronto, Ontario, Canada
Application February 11, 1944, Serial No. 521,948
2 Claims. (Cl. 29—246)

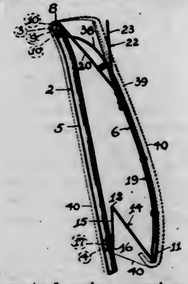
1. A battery terminal servicing tool comprising a bifurcated foot adapted for insertion under a terminal in straddling relation to a post on which the terminal is mounted, a leg rising from the foot and extending inwardly toward the bifurcation to overhang the closed end of the foot bifurcation and a portion of a terminal post when in applied position, a lever, having long and short arms, pivoted to the overhanging portion of the leg and having its fulcrum located substantially directly above the closed end of the foot bifurcation and a portion of the terminal post, and a nose on the short arm of the lever adapted to

bear against the top of the post, and to have the terminal rise to lie around it, when the lever



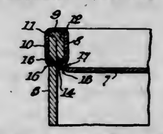
is actuated to diminish the vertical distance between the foot and the nose.

2,363,351
WIRE SPRING FOR BACKS OF SEAT CONSTRUCTIONS
William H. Neely, Cleveland, Ohio, assignor, by mesne assignments, to John C. Lincoln, Scottsdale, Ariz.
Application December 11, 1939, Serial No. 308,543
10 Claims. (Cl. 155—179)



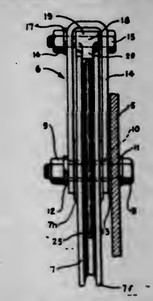
3. An elongated wire spring for cushioned backs of automobile and furniture seats comprising a sinuously corrugated resting and supporting portion having its upper portion rearwardly offset by rearwardly inclining one loop of its sinuous corrugations, yielding, sinuously corrugated cantilever means rigidly secured to said inclined loop and extended in front of the rearwardly offset upper portion of said supporting portion, and attachment and supporting means at the lower end of said resting and supporting portion and at the upper end of its rearwardly offset upper portion.

2,363,352
CLOSURE FOR PAPER CONTAINERS
Frank J. O'Brien, Pelham, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application October 18, 1943, Serial No. 506,741
6 Claims. (Cl. 229—5.5)



1. In a container, a body, an end closure, said closure having a heel and a surrounding skirt cooperating with said heel in providing a channel in which the end of said body is embraced, spacer means filling a portion only of the channel and spacing the lower portion of the heel from the adjacent body portion to form a sealing compound receiving groove, and sealing compound substantially filling said groove and directly engaging in sealing contact with the heel and the body wall portion directly opposite said heel at the position of the groove.

2,363,353
CABLE GUARD
Richard Tudor Parker, San Pedro, Calif., assignor to Douglas Aircraft Company, Inc., a corporation of Delaware
Application September 9, 1942, Serial No. 457,708
7 Claims. (Cl. 254—197)



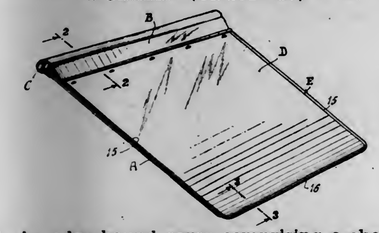
2. In a cable pulley assembly including a sheave rotatably mounted upon a fixedly supported shaft, a radially extending member pivotally mounted for rotation about said shaft with and with respect to said sheave and a cable in engagement with said sheave, a cable guard pivotally mounted upon said member for rotation both about its own axis slightly beyond the periphery of said sheave and about the axis of said sheave, said cable guard having a relatively short leg portion extending from said guard axis for inward bearing and wiping engagement against the outside of said cable, said guard having a main body portion extending substantially circumferentially from said guard axis with respect to the periphery of said sheave, said body portion being apertured to provide a guideway for said cable, the free end of said body portion having an inwardly turned boss portion adapted to engage in bearing and wiping relationship the periphery of said sheave and adapted to limit the rotation of said guard about its said pivot and thereby prevent jumping of said cable from said sheave.

2,363,354
METHOD OF MAKING MIRRORS
William Peacock, Philadelphia, Pa., assignor, by mesne assignments, to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
No Drawing. Application November 16, 1939, Serial No. 304,709
6 Claims. (Cl. 117—35)

1. A method of coating a surface with a film of metallic silver having a high coefficient of reflection which comprises preparing and maintaining in separated relation separate solutions of silver ammonio nitrate and a reducing agent therefor, in simultaneously introducing approximately equal quantities of said solution into a jet of compressed air, said solutions being entrained in said jet in the immediate vicinity of its dis-

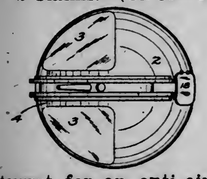
charge into atmosphere whereby said solutions are atomized and intimately mixed together for reaction to produce metallic silver which is adapted to be applied in the form of a homogeneous film over the surface to be covered, said reducing solution containing glyoxal and directing the mixture thus formed against the surface to be covered.

2,363,355
EDGE BINDING FOR SHEET HOLDER COVERS
William Percival Pitt, Union, N. J.
Application July 21, 1942, Serial No. 451,728
2 Claims. (Cl. 281—37)



1. An edge-bound cover comprising a sheet of suitable stiff material and a quench-hardened tempered resilient and substantially undentable sheet metal channel in embracing relation to the edge of said sheet and having its flanges bent into, tight frictional contact with opposite sides of the sheet.

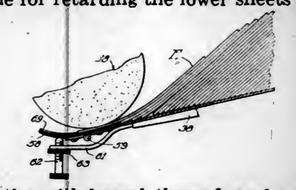
2,363,356
ANTIAIRCRAFT GUN TURRET
Harry M. Pflager, St. Louis, Mo., assignor to General Steel Castings Corporation, Granite City, Ill., a corporation of Delaware
Application July 21, 1941, Serial No. 403,283
2 Claims. (Cl. 89—36)



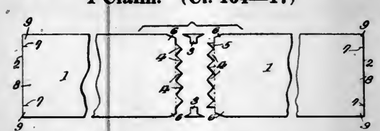
1. In a turret for an anti-aircraft gun and crew, comprising a circular base, a rear body portion having the contour substantially of a quarter of a sphere curving upwardly from said base and inwardly towards a central vertical axis, and a forward body portion comprising flat sections inclined upwardly and inwardly from said base and converging forwardly from the edges of said rear portion and merging in a narrow quarter-circular vertically-disposed portion comprising an extension of the curvature of the spherical rear portion and slotted substantially throughout its length to receive the projecting barrel of a gun mounted interiorly of the turret and to accommodate the tilting of the gun vertically over a wide range.

2,363,357
SHEET FEED
Claude L. Post, Chicago, Ill.; Anah K. Post administratrix of said Claude L. Post, deceased
Application February 10, 1941, Serial No. 378,201
12 Claims. (Cl. 271—39)

1. In a feeding mechanism of the kind described, the combination of a feed table, a feed roll operatively related thereto for withdrawing the uppermost sheet of stock from said table, means adjacent said feeding means carried by said table for retarding the lower sheets and preventing the withdrawal thereof, and means for reciprocating said retarding means towards and away from said feed roll in synchronism with the feeding action thereof.

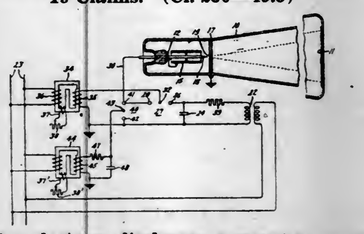


2,363,358
METHOD OF MAKING SHEET METAL CAN BODIES
William F. Punte, Passaic, N. J., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application August 21, 1942, Serial No. 455,643
1 Claim. (Cl. 164—17)



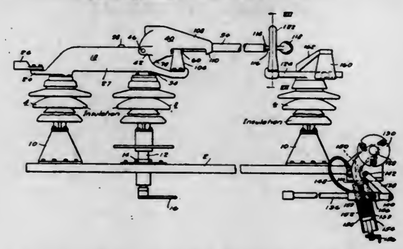
Method of forming a sheet metal can body blank comprising providing a strip of metal of a width equal to the length of the can body, cutting said strip into body blanks by transverse cutting lines alternate cutting lines being straight and at right angles to the side edges of the strip, slitting said straight edge to form a hook between the slits and laps at the ends thereof, notching said strip intermediate the straight lines for forming lap sections and cutting said strip along a zig-zag line from one notch to the other so as to provide V-shaped hook portions, the adjacent sides of which intersect at the base line of the hook portions.

2,363,359
ELECTRON MICROSCOPE
Simon Ramo, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application September 11, 1942, Serial No. 457,952
19 Claims. (Cl. 250—49.5)



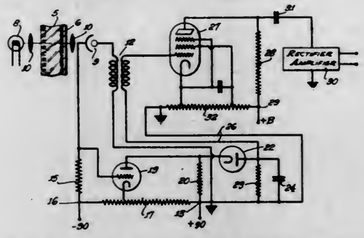
7. An electron discharge apparatus comprising an evacuated envelope containing a quantity of residual gas, a plurality of positive and negative electrodes positioned in closely spaced relation within said envelope, and energizing means for establishing an electron discharge within said envelope comprising means for applying between said electrodes pulses of voltage of such short duration that positive gas ions resulting from said discharge do not attain a sufficient velocity to reach a negative electrode within said envelope during the period of said discharge.

2,363,360
CIRCUIT INTERRUPTER
Herbert L. Rawlins, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 19, 1942, Serial No. 443,586
30 Claims. (Cl. 200—48)



1. In a switch, a blade support, a switch blade mounted on said support for rotation substantially about its longitudinal axis, means pivotally mounting said support for movement about an axis at an angle to said axis of blade rotation, and rotatable actuating means for said switch having a direct positive and non-yielding engagement at all times with said blade, said actuating means having a separate direct, positive and non-yielding engagement at all times with said support during movements of said blade in opposite directions about both of said axes for positively controlling such movements thereof about both of said axes.

2,363,361
CONTROL TRACK STABILIZING METHOD AND SYSTEM
Hillel I. Reiskind, Indianapolis, Ind., assignor to Radio Corporation of America, a corporation of Delaware
Application October 26, 1942, Serial No. 463,345
9 Claims. (Cl. 179—100.3)



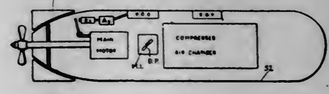
1. A film track translating system comprising a source of light, a photoelectric cell for detecting variations in said light caused by a film track, an amplifier for the film track currents in the output circuit of said cell, a rectifier for a portion of said film track currents, and means for utilizing the output current of said rectifier for counteracting variations in the intensity of the light from said source and variations in the sensitivity of said cell tending to vary the amplitude of the output currents of said cell.

2,363,362
TROLLEY POLE HEAD
Theodore R. Rideout, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Original application July 24, 1941, Serial No. 403,801. Divided and this application December 12, 1942, Serial No. 468,760
6 Claims. (Cl. 287—85)



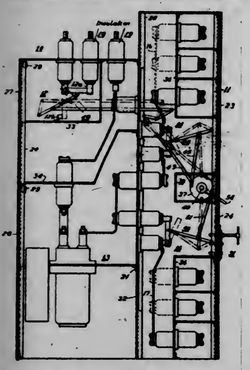
1. The combination in a trolley pole head structure, of a trolley pole extension having a bushing of resilient material positioned about one end, metallic securing means recessed in the resilient material, a relatively thin sheet metal pole head member positioned about at least a portion of the bushing and the securing means, and means projecting through the pole head member detachably securing the pole head member to the securing means.

2,363,363
AUTOMATIC SYSTEM FOR CONTROLLING THE DIRECTION OF MOVING BODIES
George A. Rubissow, New York, N. Y.
Application August 30, 1940, Serial No. 354,893
16 Claims. (Cl. 114—20)



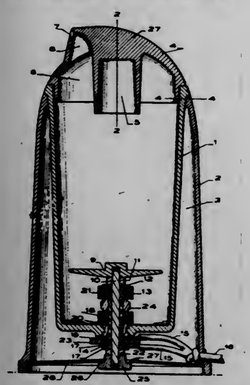
1. In combination with a self-propelling moving body having a main propelling means and a main motor to operate same, a robot orientation device of the character referred to comprising an indicator device directed by pivoting automatically towards a predetermined point on the ground, a rotatable casing for mounting of said indicator device, an axle for mounting said rotatable casing, a photoelectric cell provided on one side of the plane in which said indicator device pivots and mounted rigid in respect to said casing, a source of light mounted rigid in respect to said casing on another side of the plane in which said indicator device pivots, a source of electric energy to energize said photoelectric cell and said source of light, means to adjust by rotation and to control the initial predetermined angular position of said rotatable casing in respect to said moving body, a first propelling means adapted to rotate said moving body about its vertical axis, a first starting means to initiate the operation of the said first propelling means, stopping means to stop the operation of said first propelling means as soon as said moving body has been turned about its vertical axis to such a predetermined angular position of said moving body in respect to the said point on the ground, that said angular position of said moving body coincides with the predetermined course and trajectory of said moving body at the moment it starts to propel, second starting means to initiate the operation of the said main propelling means and of said main motor, as soon as the said stopping means have stopped the operation of said first propelling means.

2,363,364
SWITCHING APPARATUS
Harold H. Rugg, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 12, 1941, Serial No. 402,147
22 Claims. (Cl. 175—298)



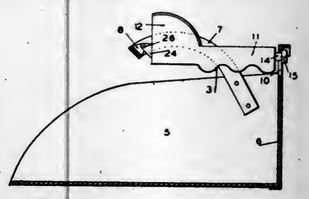
4. A switching system comprising a circuit breaker, a pair of buses, a disconnecting switch connected between the circuit breaker and an additional bus, a bus selector switch connected between the circuit breaker and each of the distribution buses, movable control means operatively connected to the switches, interlock means operated in response to movement of the control means of the disconnecting switch for interlocking the said control means of the selector switches when the disconnecting switch is closed to prevent both of the selector switches from being opened, adjustable lock means for controlling movement of the control means, operating means for the lock means, and means responsive to the position of the circuit breaker for controlling the operation of the operating means.

2,363,365
VAPORIZER
Joy B. Schmitt, Toledo, Ohio, assignor to The De Vilbiss Company, Toledo, Ohio, a corporation of Ohio
Application April 5, 1943, Serial No. 481,944
6 Claims. (Cl. 219—40)



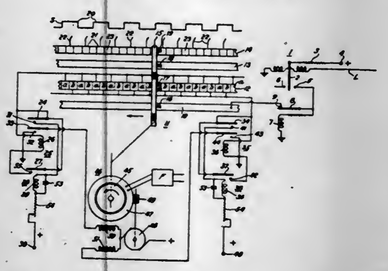
1. In an electric steam vaporizer, a receptacle for the water to be formed into steam, a downwardly facing shoulder along the upper edge of the receptacle, a cylindrical shell surrounding and spaced throughout its full length except at its upper end from the receptacle with its upper edge supporting the shoulder, and means connecting the bottom of the receptacle with the lower portion of the shell to hold the shoulder of the receptacle against the upper edge of the shell and the receptacle and shell in assembled relation.

2,363,366
WEIGHING AND HANDLING DEVICE
Ted R. Schreiner, Kirkwood, Mo.
Application November 29, 1943, Serial No. 512,092
4 Claims. (Cl. 265—66)



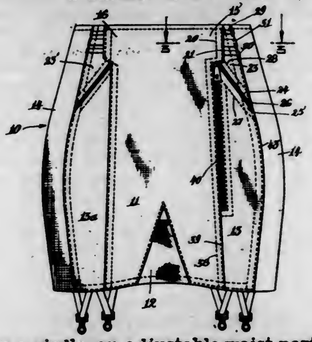
1. In a device of the class described, the combination with a scoop which when in normal position has a generally horizontally extending body, of weighing mechanism comprising a handle having pivotal connection with said scoop, said connection being located above the central portion of the scoop and said handle also having a lost motion connection with the scoop, said lost motion connection permitting tilting of the handle relative to the scoop to a limited extent only but whereby the handle may be tilted from a position in which the weight of the scoop is partially supported by the weighing mechanism to a position in which the weight of the scoop is entirely supported by said mechanism.

2,363,367
SPEED CORRECTION IN TELEGRAPH CIRCUITS
James A. Spencer, Teaneck, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 26, 1943, Serial No. 492,371
10 Claims. (Cl. 178—53)



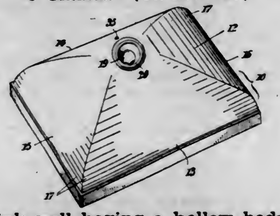
1. In speed correction for multiplex telegraph circuits, a speed correcting circuit, means for producing current pulses at predetermined points of the signals, a control relay energized by said pulses for closing said speed correcting circuit, a timing relay acting to de-energize the first relay and means for delaying the de-energizing action of the timing relay.

2,363,368
GIRDLE
Charles Stone, Brooklyn, N. Y.
Application October 28, 1943, Serial No. 507,955
2 Claims. (Cl. 2—38)



1. In a girdle, an adjustable waist portion comprising a placket extending downwardly from the upper edge thereof, a placket flap, a panel section adjacent the waist region and having an open inner edge underlying said placket flap and an inclined lower edge, a main panel, yieldable means of connection between said panel section at the inclined edge and the main panel, and means to adjustably secure the flap and panel section for proper girth fitting.

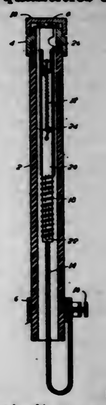
2,363,369
INKWELL
Roy Eugene Stroh, Brookline, Pa., assignor to The Turner and Harrison Steel Pen Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application February 3, 1944, Serial No. 520,860
9 Claims. (Cl. 120—69)



1. An ink well having a hollow body whereof the interior is subdivided to afford a main or storage reservoir for the ink, and a smaller dip reservoir below a pen-receiving opening in the top wall of the body, defined by high and low end walls and side walls upstanding from the well bottom, said side walls extending from the high end wall substantially at the height of the latter past the low end wall to a point adjacent one end wall of the body to form an approach channel to said dip reservoir.

2,363,370
CIRCUIT INTERRUPTER
Albert P. Strom, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 12, 1940, Serial No. 345,049
22 Claims. (Cl. 200—120)

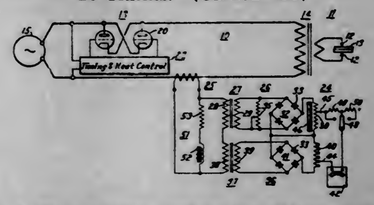
1. In a circuit interrupter, an arc passage, means for establishing an arc in said passage, and at least inner wall portions of said passage including a cellulose derivative capable of evolving relatively larger quantities of arc extinguishing gas when in proximity to an electric arc than horn fiber, at least at currents below a predetermined value.



2,363,371
PROCESS OF FORMING BRIQUETTES, BRICKS, OR SOLID AGGLOMERATES
James C. Vignos, Canton, Ohio, assignor to Ohio Ferro-Alloys Corporation, Canton, Ohio, a corporation of Ohio
No Drawing. Application April 23, 1942, Serial No. 440,247
11 Claims. (Cl. 75—3)

1. The process of forming briquettes, bricks or solid agglomerates from loose fragments of inorganic substances which consists in mixing said loose fragments with relatively small quantities of an alkaline substance that yields hydroxyl ions in an aqueous solution and an element taken from a group consisting of silicon, aluminum, and zinc, and a small quantity of moisture, forming the mixture into briquettes, bricks or agglomerates of desired form, and applying sufficient heat to the surfaces of the briquettes, bricks or agglomerates to start an exothermic reaction between the element and the alkaline substance within the formed object.

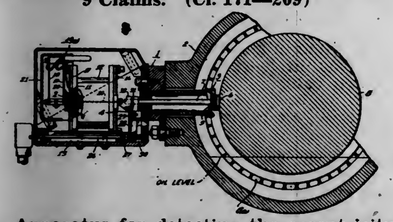
2,363,372
MEASURING SYSTEM
Alfred B. White, Murrysville, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 8, 1943, Serial No. 486,234
16 Claims. (Cl. 171—95)



1. A weld current measuring system comprising, a control circuit disposed to be connected to a welding circuit for producing a control voltage varying in predetermined relation to different

values of weld current pulses, an additional control circuit disposed to be connected to the welding circuit for producing another control voltage varying in a different predetermined relation to said different values of weld current pulses, a measuring device, and circuit means connecting the measuring device in bridging relation to the control circuits in opposed relation including calibrated adjusting means for balancing voltages from the control circuits applied to the measuring device by a given pulse of weld current, whereby the adjustment of the adjusting means is a measure of the effective value of said weld current pulse.

2,363,373
SHAFT VIBRATION PICKUP
Harry C. Werner, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 5, 1942, Serial No. 433,469
9 Claims. (Cl. 171—209)



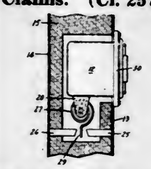
1. Apparatus for detecting the eccentricity of a rotating shaft supported by bearings comprising, in combination, electromagnetic pick-up means having a stationary element, means resiliently securing said stationary element with respect to one of the bearings, a movable element, one of said elements including a magnet and the other, a pick-up coil, whereby relative movement between said elements induces a measurable voltage in the coil, said movable element having a portion including an arcuate shoe for slidably engaging the periphery of the shaft, and spring means for yieldably urging said shoe into continuous engagement with said shaft periphery.

2,363,374
LAMP SHADE
Elliott R. Weyer, New York, N. Y.
Application September 9, 1943, Serial No. 501,601
1 Claim. (Cl. 240—108)



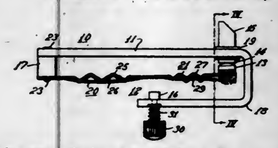
A lamp shade or reflector arrangement for a vertical tubular light source comprising a plurality of shade devices encircling the light source, and each shade device having its peripheral edge at one end substantially smaller than at the other end with an intermediate shade portion sloping at other than a right angle with respect to the axis of the light source, said shade devices being provided with vertically disposed and laterally extending flanges for securing said shade devices to a support in longitudinally spaced relation along the light source so that each adjacent pair of shade devices cooperates with a different portion of the light source in a manner to limit the direct illumination from said portions of the source to a given zone, each of said pairs of shade devices presenting opposed reflecting surfaces so located relatively to each other that a portion of the light reflected from one of said surfaces impinges upon and is reflected from the other of said surfaces.

2,363,375
BUTTER CONDITIONER
Albert F. Wild, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application September 3, 1942, Serial No. 457,222
3 Claims. (Cl. 257—3)



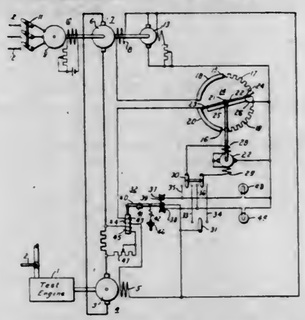
1. In a refrigerator cabinet of the type having an outer wall, an inner wall defining a food-storage compartment, thermal insulation between said walls for facilitating the maintenance of a difference in temperature between the inner and outer walls, means for refrigerating the food-storage compartment, a food-storage receptacle for butter or the like arranged in said cabinet, a heat-conductive heat-responsive member in thermal relationship with said receptacle, and means for causing said member to move into heat-exchange relationship with said outer wall at receptacle temperatures below the desired value and for moving into heat-exchange relationship with said inner wall at temperatures above said desired value.

2,363,376
THERMOSTAT
Kenneth L. Woodman, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 10, 1942, Serial No. 446,434
7 Claims. (Cl. 200—138)



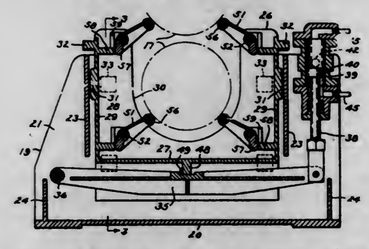
1. A thermostat comprising, in combination, a supporting structure and a bimetallic element having two portions of different widths to operate at different temperatures, both portions moving in the same direction upon an increase in temperature, the first portion being normally operative in a predetermined temperature range for effecting a control action and the second portion snapping only upon the occurrence of abnormal temperatures to bodily move the first portion to a position in which its movements are ineffective to provide the control action, said element being attached to the supporting structure by means of one the second portion only.

2,363,377
DYNAMOMETER
Jay R. Wrathall, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 26, 1943, Serial No. 484,541
3 Claims. (Cl. 73—134)



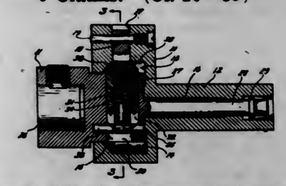
1. In apparatus for testing driving engines, the combination of a dynamometic braking generator having an armature to be driven by a variable speed engine to be tested and a field winding for coaction with said armature, a motor having an armature connected in series with said generator armature for loading the same and including a field winding, and circuit means connected to said two field windings for varying their respective excitation so as to maintain a constant torque on the engine at varying speeds of operation, said circuit means having control means for varying the excitation of said motor field winding independently of said generator field winding within a lower speed range of the engine and further control means for varying the excitation of said generator field winding independently of said motor field winding within a higher speed range of the engine, and actuating means for controlling both said control means in response to both the current in the series connection of said armatures and the current in said generator field winding.

2,363,378
SPINDLE SUPPORTING APPARATUS
Richard W. Young, Worcester, Mass., assignor to Morgan Construction Company, Worcester, Mass., a corporation of Massachusetts
Application October 30, 1942, Serial No. 463,985
8 Claims. (Cl. 80—31.1)



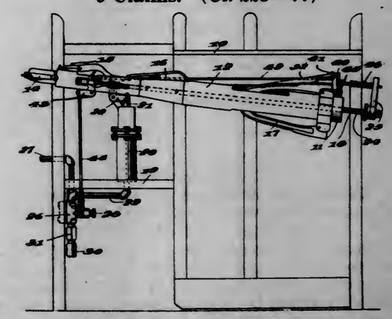
1. In combination with a rolling mill having an upper roll, a lower roll, and a pair of substantially horizontal coupling spindles to drive the rolls, a frame located beneath the spindles, a carriage movable vertically in the frame, means to raise and lower the carriage, separate devices on the carriage to engage the respective spindles and support the same while the rolls are being changed, and means to retract the said devices independently to inoperative positions.

2,363,379
CLUTCH TAP AND DIE HOLDER
Joseph F. Allen, Silver Spring, Md., assignor to The Warner & Swasey Company, Cleveland, Ohio, a corporation of Ohio
Application July 14, 1943, Serial No. 494,652
9 Claims. (Cl. 10—89)



1. A tap and die holder comprising a unit having a cylindrical chamber therein and a radially extending slot communicating with said chamber, a pendulum member mounted in said slot for movement within the limits of the side walls thereof and extending into said chamber, another unit having a portion extending into said chamber and rotatable and endwise movable therein, said portion being provided with a movable clutch member normally cooperatively engaging said pendulum member to interconnect said units against relative rotation, said clutch member when thus interengaged with said pendulum member holding the latter in one extreme position, said first unit and said clutch member having cooperating portions acting upon relative movement of said portion of said other unit within said chamber to move said clutch member to disengage it from said pendulum member to free said units for relative rotation, said first named unit being provided with means acting upon said pendulum member to move the latter when thus disengaged from said clutch member to its other extreme position.

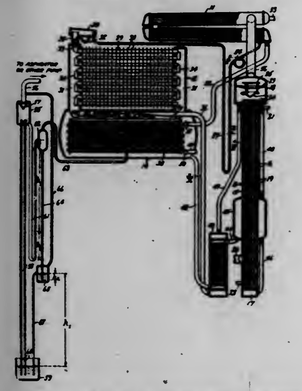
2,363,380
HOSIERY INSPECTING MACHINE
Edward R. Ammon, Reading, Pa.
Application July 17 1941, Serial No. 402,824
9 Claims. (Cl. 223—77)



1. In a hosiery inspecting machine, a stocking receiving form having movable stocking stretching parts, motor means for expanding said stock-

ing stretching parts, and control means for said motor means including a depressible hand control plate adapted when depressed to energize the motor means, and a mounting supporting said control plate adjacent the welt end portion of the form so as to be contacted and depressed by the hand of the machine operator moving lengthwise of the form while the hand is engaged in drawing the upper portion of a stocking to inspecting position over the welt end portion of the form.

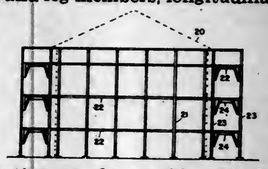
2,363,381
REFRIGERATION
Philip P. Anderson, Jr., Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application August 3, 1940, Serial No. 350,883
5 Claims. (Cl. 62—119)



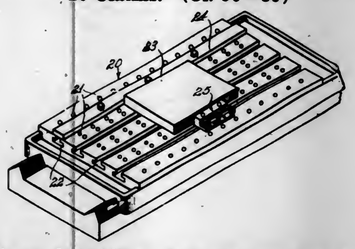
1. An absorption refrigeration system having a generator and a condenser adapted to operate at one pressure and an evaporator and absorber adapted to operate at a lower pressure, and connections between the aforementioned parts to provide circuits for circulation of refrigerant and absorption liquid, said connections including a conduit connected to one of the parts at said one pressure and to another of the parts at said lower pressure and through which liquid is adapted to flow, the liquid in said conduit serving to maintain the pressure differential between the parts connected thereby, and a trap formed in said conduit arranged to receive liquid, the liquid flowing from said trap by siphon action when a predetermined quantity has accumulated therein, the successive bodies of liquid siphoned from said trap segregating gas passing into said conduit during the periods when gas can flow through said trap, the gas segregated between the successive bodies of liquid being carried by the latter through said conduit from the said one part to said other part.

2,363,382
SCAFFOLDING
Charles W. Attwood, Wayne, Mich.
Application August 27, 1943, Serial No. 500,227
5 Claims. (Cl. 304—2)

1. Scaffolding comprising a plurality of vertical supporting units each consisting of upright channel members connected together by a plurality of separate inverted U-shaped units means for fixing said units to said channel members at any position throughout the height of the latter; each of said units consisting of a cross member and leg members fixed to relatively wide gusset plates and having diagonal braces between said cross members and leg members, longitudinally extending connecting members, said vertical supporting units being connected together in spaced relation by said connecting members fixed to said gusset plates.

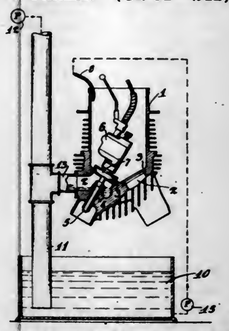


2,363,383
WORK-HOLDING CLAMP
Joseph M. Bertoldo, Malden, and Harold S. Gregor, Somerville, Mass.
Application July 24, 1942, Serial No. 452,220
10 Claims. (Cl. 90—59)



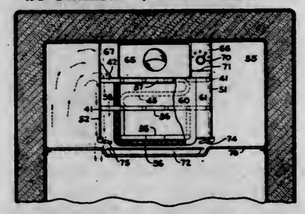
9. A work-holding clamp comprising a body portion, a work engaging portion, toggle means comprising a plurality of links each pivotally secured to an adjoining link and adapted to operate said work engaging portion, two adjoining links of said toggle means each being provided with recess intermediate the ends thereof, and rods for removable engagement in said recesses, whereby the work engaging portion can be moved into work engaging position through said toggle means by pressure on said rods.

2,363,384
METHOD OF GRINDING VALVE SEATS AND SIMILAR AREAS
Robert S. Beverlin, Toledo, Ohio, assignor to The Hall Manufacturing Company, Toledo, Ohio, a corporation of Ohio
Application April 17, 1944, Serial No. 531,391
6 Claims. (Cl. 51—241)



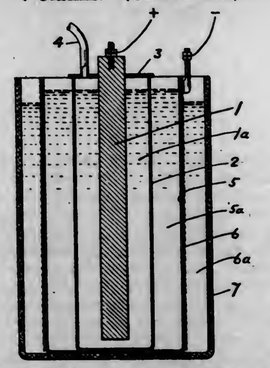
1. The method of holding a valve seat facing tool in operative coaction with a valve seat at the cylinder end of a passage having communication with a cylinder, which consists in creating a vacuum within the passage whereby atmospheric pressure at the cylinder side of the tool acts on the tool to hold it under predetermined pressure in facing coaction with the valve seat.

2,363,385
REFRIGERATION
Milo E. Bixler, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application June 17, 1939, Serial No. 279,609
26 Claims. (Cl. 62—119.5)



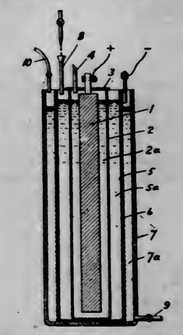
23. A chilling unit construction for refrigerating systems comprising an insulated ice freezing chamber housing having an uninsulated wall, a movable foodstuffs refrigerating drawer mounted adjacent the uninsulated wall of said housing, a cooling unit including a low temperature coil within said housing for refrigerating the interior thereof and a high temperature coil in contact with said uninsulated wall for cooling said movable drawer, and means for leading refrigerant from said low temperature coil to said high temperature coil.

2,363,386
ELECTROLYTIC PREPARATION OF CAPILLARY-ACTIVE QUATERNARY AMMONIUM HYDROXIDES
Louis H. Bock, Huntingdon Valley, Pa., assignor to Röhm & Haas Company, Philadelphia, Pa., a corporation of Delaware
Application December 13, 1941, Serial No. 422,838
7 Claims. (Cl. 204—72)



1. A process for the preparation of a capillary-active quaternary ammonium hydroxide in an electrolytic cell having an anode inert to oxygen and halogens set off by a porous refractory diaphragm to form a compartment about the anode, having a cathode set off by a second porous refractory diaphragm to form a compartment about the cathode, and having an intermediate compartment between said anode and cathode, the porosity of said diaphragms permitting the flow therethrough of about 0.001 cc. to about 0.015 cc. of water at 20° C. per square centimeter per hour under a 20 cm. head, which comprises placing about the anode of the cell an aqueous solution of a strong acid, placing about the cathode of the cell an aqueous solution of an alkali yielding hydroxyl ions, placing in a compartment of the cell intermediate to the anode and cathode thereof an aqueous solution of a quaternary ammonium compound having salt-forming anions and having its N-substituents selected from at least one member of the class consisting of aliphatic and arylaliphatic groups, at least one of which substituents contains at least 10 carbon atoms, and passing a unidirectional electric current through said cell until the salt-forming anions of the quaternary ammonium compound have been substantially replaced with hydroxyl ions.

2,363,387
ELECTROLYTIC PROCESS OF PREPARING QUATERNARY AMMONIUM HYDROXIDE
Louis H. Bock, Huntingdon Valley, Pa., assignor to Röhm & Haas Company, Philadelphia, Pa., a corporation of Delaware
Application December 13, 1941, Serial No. 422,839
8 Claims. (Cl. 204—72)

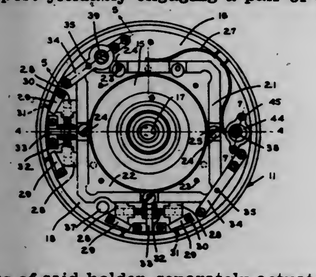


1. A process for preparing in a cell having a cathode of low hydrogen overvoltage a quaternary ammonium hydroxide from a quaternary ammonium compound yielding salt-forming anions, the N-substituents of which compound are selected from at least one member of the class consisting of aliphatic groups and arylaliphatic groups attached through the aliphatic portion thereof to the quaternary nitrogen atom of said compound, which comprises passing a unidirectional electric current though an aqueous solution of said quaternary ammonium compound in said cell while maintaining the cathodic hydrogen overvoltage below about 0.6 volt to form quaternary ammonium hydroxide in aqueous solution about said cathode.

2,363,388
OPTICAL INSTRUMENT
Olin W. Boughton, Victor, and Henry F. Kurtz, Rochester, N. Y., assignors to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application March 7, 1942, Serial No. 433,814
7 Claims. (Cl. 88—26)

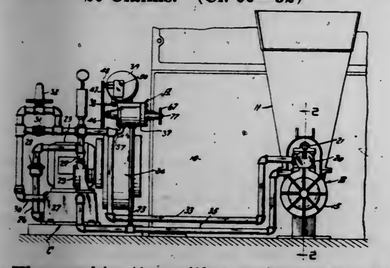
1. An optical instrument comprising a projection system having separated lens means, a sup-

port interposed between said lens means, an object holder slidable over a surface of said support, the support having an opening which extends through said surface, the optical axis of said system extending through said opening, holding means carried by said support for engaging said holder to retain it in mounted position on said support, a single elongate resilient means on the support yieldably engaging a pair of adjoin-



ing sides of said holder, separately actuated sliding means engaging each of a pair of different adjacent sides of said holder and movable therealong in oblique paths of movement to urge said holder in angularly displaced paths of movement whereby the holder may be selectively moved over said surface against the action of said resilient means to center an object carried by the holder on said optical axis.

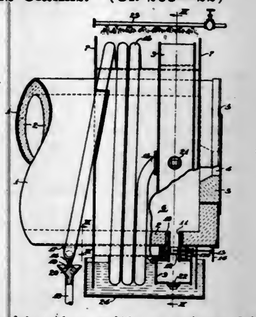
2,363,389
STOKER OPERATING MECHANISM
Albert L. Brice, Frederick, Md., assignor to Frederick Iron and Steel Company, Frederick, Md., a corporation of Maryland
Application January 23, 1942, Serial No. 427,970
20 Claims. (Cl. 60—52)



1. The combination with a reciprocating stoker motor having a hydraulically actuated piston, a fluid source and means for selectively applying fluid under pressure to opposite sides of the piston, of a regulating valve operative to periodically relieve the piston of fluid pressure on either side and thereby cause it to pause at intervals in its reciprocating movements, said valve being operated independently of the movements of the piston to cause pause intervals in any position thereof.

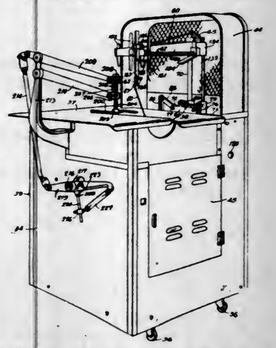
13. In a stoker motor control mechanism for a hydraulic motor having a reciprocating piston, a pump for supplying fluid to the motor, and a reservoir; a valve adapted to periodically by-pass fluid from pump to reservoir to dwell the piston at intervals, means for varying the duration and frequency of such dwell intervals, and said valve also having means for varying the speed of the reciprocating movements of the piston in accordance with variations in the frequency of such movements.

2,363,390
ROTARY KILN
Russell C. Buehl, Wilkinsburg, Pa., assignor to Plastic Metals, Inc., Johnstown, Pa., a corporation of New York
Application February 3, 1943, Serial No. 474,599
12 Claims. (Cl. 263—22)



1. The combination with a rotary kiln of an airtight cooling drum associated with the discharge end of the kiln, a discharge connection between said end of the kiln and said drum, and a discharge pipe having one end connected to said drum, coiled about the periphery of the kiln.

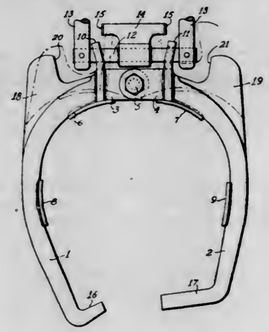
2,363,391
TYING MACHINE
Benjamin H. Bunn, Chicago, Ill., assignor to B. H. Bunn Company, Chicago, Ill., a corporation of Illinois
Application July 16, 1942, Serial No. 452,115
27 Claims. (Cl. 100—31)



1. A package wrapping and tying machine comprising a package supporting table, a twine catcher mounted beneath the table, a carriage reciprocably mounted adjacent to the table, means for reciprocating the carriage longitudinally of the table, a vertically reciprocable twine laying member mounted on the carriage, cyclical operating means normally holding the twine laying member to support an initial reach of twine longitudinally beneath a package supporting area of the table, the forward end of said reach being held by the twine catcher, said cyclical operating means being operable to move the twine laying member in an orbit first upwardly, then forwardly at package-clearing height, and then downwardly at package-clearing distance, to complete a wrap of twine around a package supported on the table, tying means mounted adjacent the terminal end of the wrapping cycle and adapted to grip the ends of the twine wrap thus formed and

secure them together, and severing means mounted to sever the twine on the completion of the tying operation, said cyclical operating means being coordinated in operation with the tying and the severing means to operate, after the severing means has completed severing the twine, for moving the carriage rearwardly to lay an initial reach of twine for the next package wrap.

2,363,392
CLAMPING DEVICE
Adolph Paschal Buquor, Washington, D. C.
Application December 14, 1942, Serial No. 469,031
In Great Britain April 4, 1941
2 Claims. (Cl. 294—116)



1. A clamping device comprising two pivotally interconnected arms and an adjustable member adapted in one position to lock said arms in a gripping or clamping condition and in another position to permit said arms to be moved into a releasing condition, said device having a handle associated with said adjustable member, said handle serving as a point of attachment for any desired lifting or hauling tackle and as a means for controlling the movements of said adjustable member, said handle including a U-shaped stirrup and a cross-bar which is pivotally mounted with respect to said arms in a plane at right angles to the plane in which said arms move with respect to one another.

2,363,393
RAILROAD CAR HAND BRAKE
Richard W. Burnett, Chicago, Ill.; Marie C. Burnett, executrix of said Richard W. Burnett, deceased, assignor to Marie C. Burnett
Application November 14, 1941, Serial No. 419,081
4 Claims. (Cl. 254—149)

2. In apparatus for manually setting railroad car brakes including, in combination, a rotatable winding drum having a channel extending around its outer edge in the central portion thereof, a chain, an anchor member connecting said chain to said drum, said drum having a series of pairs of link supporting surfaces, each pair of surfaces having the central portions thereof convexly curved and being angularly disposed with respect to the preceding and following pairs of surfaces, said channel being adapted to receive the alternate vertical links of said chain and said link supporting surfaces being adapted to receive the alternate transverse links of said chain, and a pair of bosses formed at one end of each pair of link supporting surfaces, said bosses being adapted to support the leading ends of said transverse links and said convexly curved portions being adapted to support the central portions of said

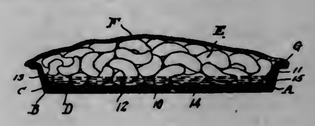


transverse links, whereby major portions of said transverse links are held in spaced relationship to said drum.

2,363,394
HEAT TREATMENT OF MAGNESIUM ALLOYS
Robert S. Busk, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application December 23, 1943, Serial No. 515,419
7 Claims. (Cl. 148—21.3)

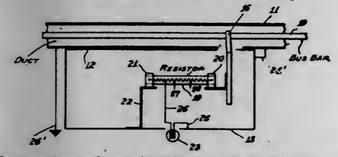
1. An improved procedure for producing in an ungerminated condition solution-heat-treated articles formed of a heat-treatable magnesium-base alloy characterized by a tendency to undergo germination on prolonged heating, which comprises pre-heating the article at a solution-heat-treating temperature for a period sufficient to effect partial solution of a major second phase in the alloy but insufficient to produce appreciable germination, then subjecting it to an aging temperature for a time sufficient to effect substantial precipitation, and thereafter subjecting the article to solution-heat-treatment.

2,363,395
METHOD OF MAKING PIES
Victor N. Calia, Brooklyn, N. Y.
Application May 28, 1943, Serial No. 488,812
2 Claims. (Cl. 99—86)



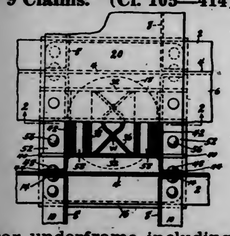
2. A method of making a pie, consisting in partially pre-baking an edible lining for the bottom crust forming layer of dough to such an extent as to render said lining impervious to the moisture of the juices of the pie filling, positioning the bottom crust forming layer of dough within a pie tin, arranging said edible pre-baked lining within said bottom crust forming layer of dough in nested relation thereto, emplacing the filling within said assembly and baking the same to thus complete the baking of the partially pre-baked lining.

2,363,396
ELECTRICAL DISTRIBUTION SYSTEM
Elmer T. Carlson, Fort Mitchell, Ky., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a corporation of Connecticut
Application July 12, 1941, Serial No. 402,137
5 Claims. (Cl. 177—311)



4. A combined protective and indicating apparatus, for association with an enclosed bus bar distribution system, comprising a grounded metallic casing in a circuit of the system containing two terminals, one terminal being grounded to the casing and a contact connected to the other terminal and adapted to engage a bus bar of the system, a resistor inserted between said terminals and an indicating lamp supported by the casing and having one electrode grounded on the casing and the other electrode connected to the resistor intermediate its terminals, at a point the potential of which is suitable for the voltage rating of the lamp, the resistance value of the resistor being low in relation to the normal high resistance of the circuit to ground.

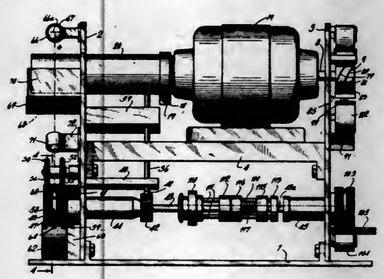
2,363,397
WELDED BOLSTER CENTER FILLER
John Christiansen, Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application June 6, 1942, Serial No. 446,071
9 Claims. (Cl. 105—414)



1. In a car underframe including an inverted channel center sill having spaced apart webs, a bolster center filler comprising an inverted channel member having the webs and top portion thereof arranged within the center sill with the top portion directly connected to the center sill and the web portions thereof spaced from the center sill webs, means forming a king pin guide and joining the webs of said inverted channel member, and spaced tie plates connected adjacent their extremities to said center sill webs and to said inverted channel member webs inwardly of the ends of said inverted channel member for mutually joining all of said webs together.

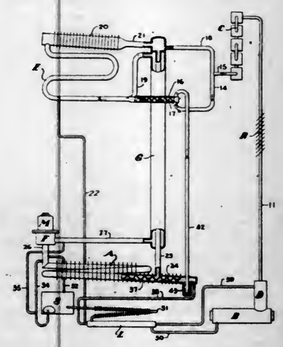
2,363,398
FACSIMILE MACHINE
Austin G. Cooley, New York, N. Y., assignor to Times Telephoto Equipment Inc., New York, N. Y., a corporation of New York
Application November 7, 1941, Serial No. 418,172
5 Claims. (Cl. 178—6.6)

2. A unitary tape facsimile transmitter and recorder machine comprising a motor having its shaft extended in opposite directions, means to generate signals in accordance with the subject matter to be transmitted including a perforated scanning drum directly fastened to one end of the motor shaft, means for recording said subject matter including a facsimile recorder platen directly fastened to the opposite end of the motor shaft, a countershaft parallel to the motor shaft, tape feed drums carried by opposite ends of said



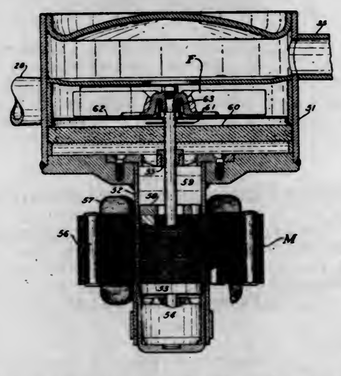
countershaft in alignment respectively with said scanning drum and with said recording platen, a pair of endless flexible bands to hold the transmitting tape around its feed drum without interfering with the feeding movement of the tape to and from said drum, whereby said transmitting tape may be fed into and out of the machine on substantially the same side of the feeding drum.

2,363,399
REFRIGERATION
Curtis C. Coons, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio
Application October 2, 1939, Serial No. 297,508
19 Claims. (Cl. 62—119.5)



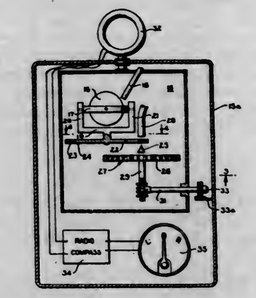
1. Absorption refrigerating apparatus comprising an inert gas circuit including an evaporator and an absorber, a solution circuit including a generator and said absorber, a condenser connected to receive refrigerant vapor produced in said generator, a pre-cooler connected between said condenser and said evaporator, means for conveying inert gas from said inert gas circuit and for flowing it through said pre-cooler, a second absorber connected to said solution circuit to receive strong solution, and means for flowing inert gas discharged from said pre-cooler through said second absorber.

2,363,400
REFRIGERATION
Curtis C. Coons, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application October 11, 1941, Serial No. 414,593
15 Claims. (Cl. 62—119.5)



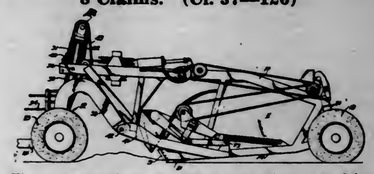
1. A refrigerating apparatus of the type in which the internal pressures vary during operation comprising, a power unit for circulating mediums in the apparatus, said power unit including a motor rotor submerged in a lubricant, and a porous plate having capillary interstices separating the rotor from other parts of the apparatus whereby refrigerant dissolved in the lubricant will not carry the lubricant with it to other parts of the apparatus as the internal pressures vary.

2,363,401
NAVIGATIONAL CONTROL MEANS
Carl J. Crane and Raymond K. Stout, Dayton, Ohio
Application June 18, 1938, Serial No. 214,560
5 Claims. (Cl. 172—282)



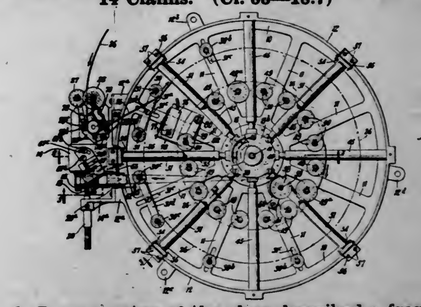
1. In apparatus of the class described, a vehicle, a radio compass therein having a loop antenna, gyroscopic means for establishing a reference line for the heading of said vehicle, said means carrying air deflecting means, an air jet, and an air turbine associated with said deflecting means and air jet, said turbine being adapted to be rotated in response to variations of said vehicle from said reference line, rotation of said turbine causing rotation of said loop antenna in order to maintain the angular relation between said loop antenna and said reference line constant.

2,363,402
DIRT SCRAPING APPARATUS
Gordon E. Daniels, Nashville, Tenn.
Original application December 2, 1938, Serial No. 243,562. Divided and this application April 5, 1943, Serial No. 481,820
8 Claims. (Cl. 37—126)



8. In a scraping apparatus, the combination with a load carrying body; of means for supporting said body at one end thereof comprising a truck including a support; a link member pivotally connected between said body and said support, a rocking slide connection between said body and said support and spaced from said link member, and means for moving said one end of said body substantially vertically along said support comprising sheaves on said body and said support respectively, and a hoist cable passed around said sheaves.

2,363,403
CONTINUOUS FILM MAGAZINE
Anthony C. De Napoli, Jr., Mount Vernon, N. Y., assignor, by mesne assignments, to Films, Incorporated, New York, N. Y., a corporation of New York
Application February 16, 1942, Serial No. 431,046
14 Claims. (Cl. 88—18.7)

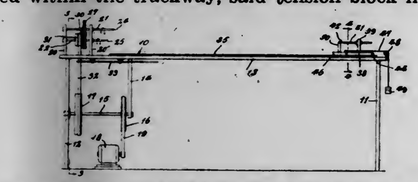


1. In apparatus of the class described a frame, a plurality of radially disposed rollers carried by said frame, each of said rollers having its axis disposed substantially horizontally and having a tapered outer surface with the larger diameter outermost, said taper being only sufficient to produce the climbing effect of a crowned pulley, means for rotating said rollers positively at the same speed, means for guiding a film and directing the same edgewise onto said rollers to form a series of coils thereon winding from the outside inwardly, and means for directing the film away from said rollers after it has traversed said series of coils.

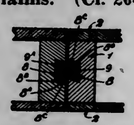
2,363,404
MACHINE FOR MAKING DOUBLE LOOP HOOK AND TIE BANDS
Henry G. Drake and James L. Wingate, Gastonia, N. C.
Application May 4, 1944, Serial No. 534,072
2 Claims. (Cl. 57—26)

1. A machine for forming a double loop band comprising an elongated table, a longitudinally

extended trackway on said table, said trackway having a series of longitudinally spaced apertures, spaced frame members on one end of said table, a pair of shafts journalled in upper portions of the frame members, a third shaft journalled in the frame members at a point medially thereof, each of the shafts lying in a plane parallel to the top of the table and terminating in respective hook members, means for starting and stopping rotation of the shafts, a stop member longitudinally adjustable within the trackway including studs complemental to the apertures of the trackway, a tension block slidably mounted within the trackway, said tension block having a freely rotatable shaft positioned parallel to the top of the table, and terminating in a hook member disposed in opposed relation to the first named hook members and adapted to receive strand members operatively connected with hooks of the first named pair of shafts, said freely rotatable shaft being in alignment with the third named shaft, for mounting of a partially completed band therebetween, a leader block in advance of the tension block, a removable vertically disposed pin in said block in advance of the freely rotatable shaft and associated hook member and yielding means for holding said blocks against said stop.



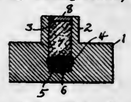
2,363,405
BUILDING CONSTRUCTION
James K. Eichelberger, Austin, Tex.
Application September 9, 1943, Serial No. 501,682
2 Claims. (Cl. 20—4)



1. A joint comprising a pair of abutting surfaces having registering recesses of diminishing cross-sections towards their registering edges formed by angularly disposed side walls, and a locking member mounted within the channel formed by said recesses, said member having a pair of oppositely disposed faces disposed towards the side walls of the recesses, each formed by a pair of angularly related surfaces, the projected width of which is substantially equal to the sum of the depths of the recesses and the angularity of which is less than the angle formed by the registration of the recesses whereby the parts are secured together by a binding of the locking member in the recesses at the outer edges of the flat surfaces and against the inner edges of the side walls of the recesses.

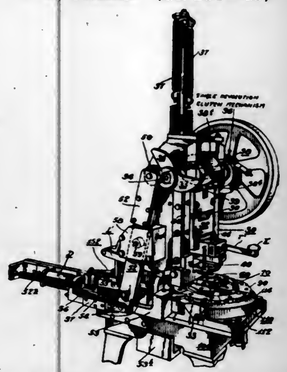
2,363,406
ENCASEMENT FOR WIRE DRAWING DIES
Otis G. Ferrier, Fort Wayne, Ind.
Original application March 31, 1941, Serial No. 386,023. Divided and this application May 13, 1943, Serial No. 486,806
3 Claims. (Cl. 205—29)

1. A wire drawing die constituted of a chambered block composed of solid metal having therein disposed a refractory member encompassed by an encasement of initially pulverulent metal similar in character to that of which the solid metal block is composed, the inner wall of



said block being reshaped to form annular ledges that respectively underlie and overlie the rim of said member and adjacent portions of said encasement that confine said member and the encasement in a definite position in said block.

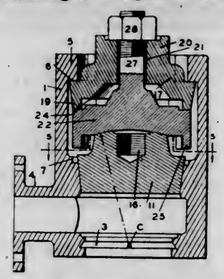
2,363,407
TRIMMING PRESS AND DIE ARRANGEMENT FOR SAME
Uri D. Foster, Hartford, Conn., assignor to The Arrow-Hart & Hegeman Electric Co., Hartford, Conn., a corporation of Connecticut
Application June 23, 1943, Serial No. 491,998
35 Claims. (Cl. 164—48)



1. In a press, a die movable up and down between idle and operative positions, a second die movable transversely to said up and down movement in a plurality of directions from a central position to perform a plurality of forming operations on a hollow blank while the first die remains stationary, a plurality of sliding means one of which is movable independently of another, rotary means cooperating with said sliding means to move said rotary means step by step.

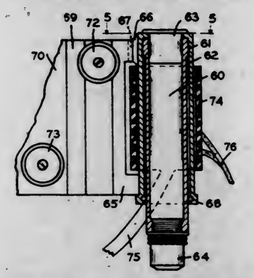
2,363,408
PLUG TYPE PIPE CLOSURE
Joseph W. Gallop, East St. Louis, Ill., assignor to Key Company, East St. Louis, Ill., a corporation of Missouri
Application June 5, 1943, Serial No. 489,793
3 Claims. (Cl. 138—95)

1. In a device of the class described, the combination with a casing having a vent opening and a plurality of inwardly projecting bearing lugs, of a plug member for said opening, said plug member having a convex bearing face, a holding member having lugs engageable with the lugs on the casing by rotary movement, an equalizing member located between the plug member and the holding member, said equalizing member having locating means engaging with the casing and a concave bearing face cooperating with the convex face of plug member, cooperating inclined planes acting between the equalizing and holding members to apply seating pressure to the plug member by relative rotary movement between said holding and equalizing members, and



locking means between said latter named members to prevent accidental release of the seating pressure on the plug member.

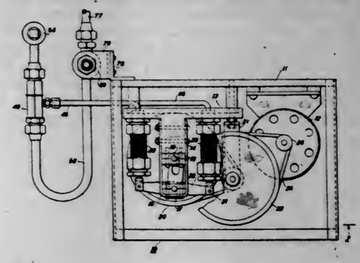
2,363,409
FINE ADJUSTMENT MECHANISM
Henry L. Gibson, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application June 11, 1942, Serial No. 446,681
5 Claims. (Cl. 88—39)



5. A microscope comprising a support; means slidably mounted on said support, a body tube comprising a pair of nested tubular members of dissimilar material, means for connecting the one end of the outer member to the adjacent end of the inner member, means for connecting the end of the outer member connected to said inner member to said slidably mounted means, means connecting the other end of said outer member to said support, the outer member being formed of magnetostrictional material which contracts when subjected to a magnetic field, the inner member being formed of magnetostrictional material which expands when subjected to a magnetic field, lens means coaxially mounted in the free end of said inner member, an electric coil surrounding said outer member, and means for connecting said coil to a source of electrical energy whereby said coil can be energized to develop therein a magnetic flux.

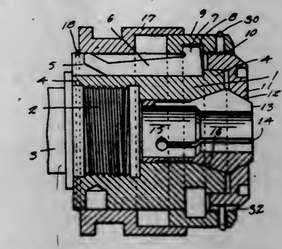
2,363,410
BELLOWS TYPE PUMP
Edwin R. Gill, Sr., Hastings on Hudson, N. Y.
Application May 16, 1942, Serial No. 443,190
4 Claims. (Cl. 103—148)

1. A bellows type pump comprising a cylindrical bellows fixed at one end and movable at the other end, the movable end of said bellows being closed, a shaft inside of said bellows having one end rigidly secured to the closed end of said bellows, the other end of said shaft being slidably journaled in a passage in the fixed end of said bellows to restrict movement of said bellows



to the direction of its axis, and a passage in said shaft for permitting flow of fluid into and from said bellows.

2,363,411
QUICK-ACTING OR SPEED CHUCK
Ray W. Goodwin, Cuyahoga Falls, Ohio
Application September 4, 1943, Serial No. 501,301
5 Claims. (Cl. 279—51)

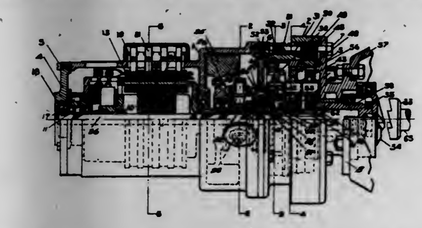


1. A quick acting chuck comprising a tubular body adapted to be mounted on the rotating member of a machine tool, a spring collet located in the tubular body, said collet having a tapered outer surface, a shiftable cap member surrounding the outer end of the collet and the body, said cap having a surface fitting the tapered surface of the collet, a collar connected to said cap and surrounding the outer end of the body member, opposing shoulders on the body and the collar, the body being provided with longitudinal grooves, rocking keys located in said grooves, each key having portions bearing against said shoulders and a tail portion which projects beyond the outer surface of the body when the collet is expanded, and a sleeve movable over the body to engage the tail portions of the several keys.

2,363,412
ENGINE STARTING DEVICE
Clement E. Gossling and John A. Smith, Toronto, Ontario, Canada, assignors to Rogers Majestic Corporation, Dover, Del., a corporation of Delaware
Application September 9, 1943, Serial No. 501,622
In Canada November 18, 1942
4 Claims. (Cl. 123—179)

1. An engine starter comprising, a first driving member, a second driving member, separate means for constraining each of said members to rotate in one and the same direction only, an energy storing member, a step-up gearing associating said first driving member with said energy storing member, an engine starting clutch jaw, means for advancing said jaw to engine engaging posi-

tion, reducing and reversing gearing, and means whereby when said driving members are energized said first driving member is rotated causing said second driving member to be held from rotation against its said associated restraining member to permit said energy storing member to be rotated through said step-up gearing by said first driving member, and further means whereby when said driving members are energized in reverse order said second driving member is rotated to hold



said first driving member from rotation against its said restraining member to free said energy storing member to rotate to impart, through said reducing and reversing gearing, motion to said engine starting clutch jaw advancing means to advance said jaw to engine engaging position and said second driving member is rotated to, through said reducing gearing, assist said energy storing member to rotate said engine starting clutch jaw.

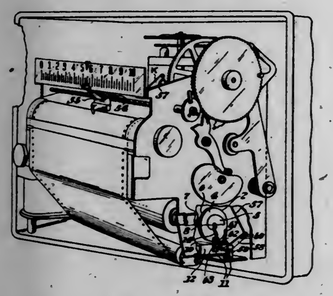
2,363,413

VARIABLE TIME CURRENT INTERRUPTER FOR CONTROL OF FURNACES

Ernest G. Guenzel and Mitchell S. Kiss, Cleveland, Ohio

Application April 11, 1942, Serial No. 438,628

1 Claim. (Cl. 200—28)



A variable period current interrupter comprising a substantially constant speed motor, a rotatable disk driven thereby, a radially adjustable contact brush engaging one face of said disk, said disk face presenting to said brush an electrically conducting area and an electrically non-conducting area, the boundary between the said areas extending from the center of the disk along a spiral curve to near the periphery thereof and thence along a bounding radius back to the center, the said spiral being such that a radius through any point on it subtends with the said bounding radius an angle directly proportional to the distance of the said point from the center of the disk, whereby during each rotation of the disk the contact brush rides upon the conducting area for a time substantially directly proportional to the radial adjustment of said brush.

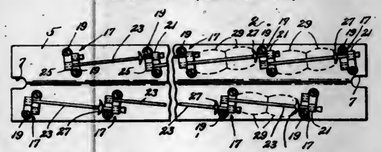
2,363,414

TEASEL GIG

Wilfred N. Hadley, Springfield, Vt., assignor to Parks and Woolson Machine Company, Springfield, Vt., a corporation

Application June 8, 1943, Serial No. 490,030

6 Claims. (Cl. 26—31)



1. A cylinder for a teasel gig having in combination a shaft, supporting surfaces each mounted concentrically upon such shaft, slats, means for mounting teasel burrs in working relation upon such slats and in spaced relation to the slats and with capacity for rotation about the axis of such burrs, and means attaching the slats to the supporting surfaces in parallel relation to the shaft with provision for quick detachment therefrom while retaining the teasel burrs mounted in working relation upon the slats.

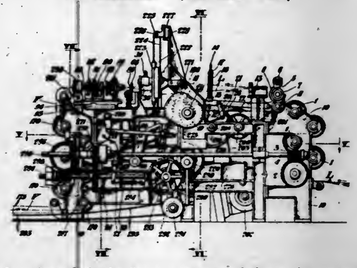
2,363,415

HARDWARE AND SCREEN CLOTH MACHINE

Noah S. Harter, Waukegan, Ill., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey

Application October 13, 1938, Serial No. 234,853

13 Claims. (Cl. 139—11)



1. A wire fabric loom comprising, in combination: means for feeding a bank of warp wires, heddle means for effecting a shed in the latter; a reed; a weft guide on said reed; means for feeding a length of weft wire into said guide; means for actuating said reed properly to position the length of weft wire relative to the warp wires, and means connected with said reed to cause it to hold the length of weft wire in such proper position during the actuation of the heddle means to reverse the warp wires in the shed.

2,363,416

VEHICLE POSITION INDICATING MEANS

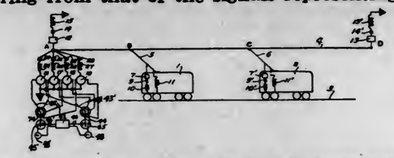
François Charles Pierre Henroteau, Ottawa, Ontario, Canada

Application January 2, 1943, Serial No. 471,180

In Canada December 24, 1942

12 Claims. (Cl. 246—124)

1. In apparatus for determining the positions of vehicles in a fixed route vehicular traffic system, means on each of said vehicles for producing an alternating current, said currents having each a different frequency, a conductor having connection with each of said vehicles for conducting said currents to a fixed point, means for translating said currents into wireless signals representing a plurality of vehicles, the signals representing each vehicle having a characteristic differing from that of the signals representing the



other vehicles and also having another characteristic varying in accordance with the position of the vehicle, and means for receiving and translating said signals into a visible representation.

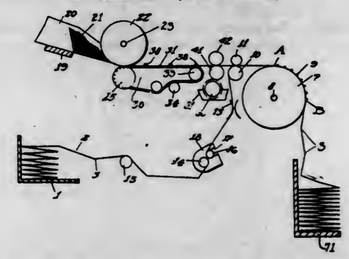
2,363,417

METHOD OF AND APPARATUS FOR MAKING ZIGZAG OR FAN-FOLDED ASSEMBLIES OF SERIES CONNECTED ENVELOPES

Vincent E. Heywood, Worcester, Mass., assignor to United States Envelope Company, Springfield, Mass., a corporation of Maine

Application July 15, 1941, Serial No. 402,524

4 Claims. (Cl. 93—61)



1. Apparatus for producing a zig-zag stack or assembly of series-connected envelopes, each with a closure flap as an extension from one of its faces, comprising a feed belt or conveyor having spaced projections for edgewise engagement with such envelopes, to effect a positive feed of a succession of same in predetermined spaced relation, means for continuously feeding lengthwise, at substantially the same speed as the so-fed envelopes, a paper web or strip having cross-scores of slightly greater spacing thant the leading and trailing edges of each so-fed envelope, means for merging the respective lines of web and envelope feed to oppose each envelope's flap-carrying face with the web face, means effective prior to such merger for applying adhesive to one of said opposed faces, the said two feeding means being synchronized to effect the registration of successive envelopes with successive web areas between the cross-scores, and means operable thereafter on the composite web-and-envelope structure produced by adhesion of said faces for assembling same progressively in a zig-zag stack on hinges or fold lines provided by said cross-scores between successive envelopes.

3. The herein described method of producing a zig-zag stack or assembly of series-connected envelopes, which consists in continuously feeding lengthwise a paper strip or web having cross-scores at regular intervals, continuously feeding at the same speed by positive edgewise engagement, a succession of envelopes, each slightly narrower than the spaces between said cross-scores, merging the respective lines of web and envelope feed, to bring into opposition with the web face, between its cross-scores, the successive envelope faces which carry the envelopes' closure flaps, applying successively to one set of said opposed face portions, before such merger, adhesive coatings over substantially the entire areas thereof, and finally procuring the zig-zag stacking of the composite web-and-envelope structure thus formed on the hinges or fold lines provided by said cross-scores.

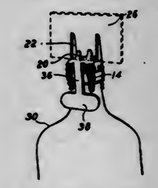
2,363,418

DISPLAY DEVICE AND HOLDER FOR PRICE TAGS AND ADVERTISING CARDS

George H. Hosmer, Arlington, Mass.

Application April 26, 1941, Serial No. 390,615

2 Claims. (Cl. 40—11)



1. A display holder adapted to be attached to the top of a container over the closure therefor comprising a sheet metal stamping having a central body portion, a plurality of transversely corrugated legs laterally extending from said body portion, said legs being readily bendable to grasp the sides of the container and to accommodate containers of various sizes and shapes, a pair of tabs bent upwardly from the body portion and a pair of rest members extending laterally from the body portion and bent upwardly therefrom said rest members being bent transversely with respect to said tabs from the central body portion, said tabs and rest members forming holding members to retain and support in substantially upright position a display card, the tabs being adapted to engage the front face of the display card and the rest members being adapted to engage the rear face of the display card in edgewise relationship.

2,363,419

SUBMERSIBLE PUMP

Giles Philip Eliot Howard, Amersham, England

Application May 5, 1942, Serial No. 441,843

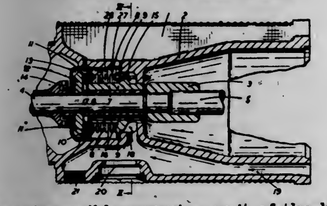
In Great Britain May 5, 1941

9 Claims. (Cl. 103—87)



1. A pump construction of the class described comprising a casing having a fluid receiving chamber, a bearing in said chamber, an admission piece having heat diffusing walls and connected to said casing adjacent the chamber, said piece having a cavity therein communicating with the said fluid chamber, an operating shaft journaled in the bearing aforesaid and extending into the admission piece cavity, and means on the shaft for inducing fluid in the chamber to flow about the bearing and into the cavity whereby to diffuse the heat taken up from the bearing through the cavity walls.

2,363,420
SUBMERSIBLE PUMP
Giles Philip Eliot Howard, Coleshill, Amersham, England
Application May 5, 1942, Serial No. 441,844
In Great Britain May 5, 1941
11 Claims. (Cl. 308—36.2)



1. A submersible pumping unit of the kind described, comprising in combination a pump, pump and motor shafts, said unit including a water chamber containing a coupling between the motor and pump shafts and communicating with a pump shaft bearing, wherein means are provided to prevent the entry of the pumped fluid surrounding said bearing into said water chamber through the bearing, whereby said chamber and bearing constitute a sealed water circulating system in which the coupling induces a flow of the water in the chamber, through the motor and pump shaft bearing.

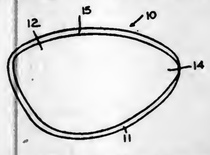
2,363,421
BOAT HULL
Clair A. Huard, Detroit, Mich.
Application December 30, 1943, Serial No. 516,262
4 Claims. (Cl. 114—66.5)



2. A boat hull comprising a flat-like elongated body whose major forward portion is formed and shaped to afford a primary lifting plane or airfoil having a broad rounded nose end and an upper surface which curves upwardly longitudinally and transversely and whose major central under surface portion curves forwardly and upwardly at the forward end, the rear central under surface portion of the body affording an elongated rear supporting plane or surface inclined rearwardly, the rear portion of the primary lifting plane tapering narrower in a rearward direction and merging with the rear end of the body, said rear end of the body being tapered substantially to a point, said body being provided in its under surface at opposite sides and near its forward end with longitudinal elongated recesses, and rocking balancing planes pivoted to the under side of the body and partially accommodated in said recesses, means pivotally mounting said balancing planes upon longitudinal axes parallel with the longitudinal axis of the boat so as to have limited rocking motion in either direction.

2,363,422
PROTECTING LIGHT TRANSMITTING ELEMENTS
Charles Franklyn Hutchings, Perinton, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application July 6, 1942, Serial No. 449,884
2 Claims. (Cl. 2—14)

2. An eye protecting device comprising a lens; an eyecup; a bezel; means for clamping said lens between said eyecup and bezel with the peripheral portions of the two faces thereof engaged by said eyecup and bezel; means for protecting the faces of said lens from dirt, dust and scratches prior to the use of the device, said means comprising a flexible abrasion resisting



sheet covering all but the engaged peripheral portions of each face, each sheet being adhesively secured to a face and removable therefrom; and means, integral with each sheet, forming a tab which may be manually grasped by a user for stripping the sheet from the face of the lens.

2,363,423
BARREL HOOP FASTENER
Eric A. Johnson, Chicago, Ill., assignor to Inland Wire Products Company, Chicago, Ill., a corporation of Illinois
Application January 16, 1942, Serial No. 427,014
3 Claims. (Cl. 217—89)

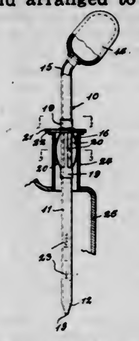


1. In combination with a barrel, a hoop fitted around the outside of the barrel and near its upper edge, metallic retaining members attached to said hoop at intervals in its circumference and each extending upward from the hoop and adjacent the outer surface of the barrel, a flexible covering extending over the upper end of the barrel with its marginal portion folded down over the edge of the barrel, and a second hoop, independent of said covering and unattached thereto, fitted over said margin of the covering in frictional engagement therewith and also encompassing the retaining members with the upper ends of said members extending above said second hoop, together with fastening means independent of said second hoop securing the first mentioned hoop to the barrel, the end portions of said retaining members being bent down over the upper edge of the second hoop locking it onto the barrel.

2,363,424
COMBINED OILING DEVICE AND OIL GAUGE STICK
Thomas J. Keenan, Steubenville, Ohio
Application July 21, 1943, Serial No. 495,593
1 Claim. (Cl. 222—208)

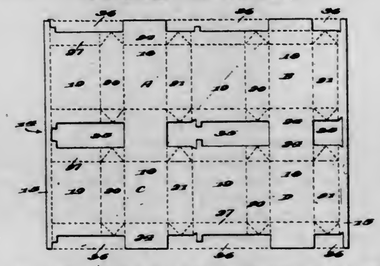
A combined oiling device and gauge stick comprising a hollow tube having a dispensing tip on one end and a compressible bulb on the other end for creating suction through said tube, a pair of spaced collars on said tube, the uppermost collar being fixed to the tube, bowed spring strips connecting said collars, a disk fixed to said uppermost collar adapted to rest upon a portion of crank case when said tube is disposed through

an opening of the crank case, said springs being constructed and arranged to frictionally engage



the wall of said opening, and said disk being provided with a gasket upon the underside thereof.

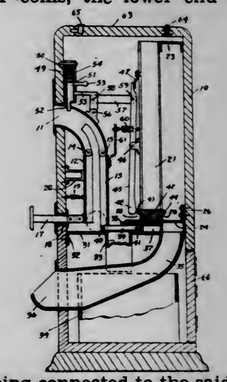
2,363,425
METHOD OF MAKING PAPERBOARD CONTAINERS
Clarence F. Klein, Columbus, Ohio, assignor to Frankenberg Bros., Inc., Columbus, Ohio, a corporation of Ohio
Application September 18, 1943, Serial No. 502,939
6 Claims. (Cl. 93—36)



1. In the manufacture of inner lined paperboard boxes, the steps which comprise applying to one side of a box-forming blank through use of a heat-softening adhesive a lining sheet, locally cutting through the body of the blank but not the lining sheet to provide a strip adapted for removal from the blank but temporarily held in connection with the latter by said sheet, passing the blank longitudinally through a guideway, during the passage of the blank through said guideway and without interrupting the movement thereof subjecting the blank in the region of said strip to the action of heat of sufficient temperature and duration to soften the adhesive uniting the strip with said sheet, and thereafter and during continued travel of the blank along the guideway applying pneumatically induced suction forces to the strip to effect its complete separation from said blank and sheet.

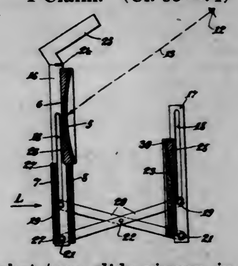
2,363,426
DISPENSING MACHINE
John P. Koehler, Jr., Rockford, Ill.
Application December 12, 1941, Serial No. 422,765
2 Claims. (Cl. 194—88)

1. A device of the character described comprising an enclosure, a coin reservoir, a coin receiving chute, said coin receiving chute comprising an upper and lower portion, said upper portion of said chute being stationary, said lower portion of said chute comprising two channels, each pivoted at its upper end, a push button, said push button projecting through the wall of said enclosure, said push button being operatively connected to the lower end of one of said channels, a coin ejector shoe having a capacity for a plurality of coins, the lower end of the other



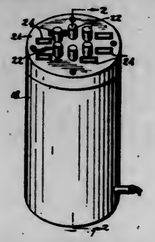
channel being connected to the said coin ejecting shoe, said channels being constructed to receive a coin between them and movable forwardly upon actuation of said push button, said coin ejector shoe being slidably supported in alignment with and below said coin reservoir, and a dispensing chute to receive coins from said ejecting shoe when said push button is manually actuated.

2,363,427
OPTICAL DEVICE FOR VIEWING PHOTOGRAPHIC IMAGES
Charles Langberg, New York, N. Y.
Application January 19, 1942, Serial No. 427,270
1 Claim. (Cl. 88—74)



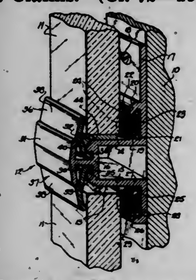
In a pocket type slide viewer, in combination, a framework comprising two elements spaced apart, pantagraph linkages connecting said elements, a concave magnifying mirror mounted on one element of said framework, a slide receptacle also mounted on said element, substantially in the plane of said mirror, a light diffusing element mounted on said frame element in a line with and behind said slide receptacle, a second concave magnifying mirror mounted in the second element of said framework in a plane substantially parallel to that of the said first mirror, and in alignment with said slide receptacle and diffusing element, said pantagraph linkages serving to make the structure foldable and serving likewise to make the distance between said frame elements adjustable whereby the images produced by transmission of light through said diffusing element and slide in said slide receptacle may be variously magnified.

2,363,428
AUTOMATIC TELEPHONE DIAL SYSTEM
Joseph Lobel, Bronx, N. Y.
Application October 20, 1942, Serial No. 462,672
6 Claims. (Cl. 179—90)



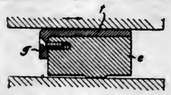
1. An automatic telephone dial system, comprising a plurality of selectively depressible code rods of electric conductive material having a plurality of spaced insulation pieces along their lengths representing different telephone numbers, dashpot dampened solenoid operative means for catching and holding depressed any one of said code rods, an electric motor driven conductor for moving along the depressed code rod alternatively engaging portions of said rod and its insulation pieces, a telephone circuit including in series said depressed code rod and solenoid operative means and said conductor, reversing switch means for the motor of said electric motor driven contact for alternately reversing said motor when said contact reaches the ends of said code rod, stop switches for said motor when said contact reaches the bottom end of said code rod, a start switch for said motor operated by said dashpot dampened solenoid operative means when the telephone circuit is broken more than a certain time interval, and another stop switch for said motor when said contact reaches the top end of said code rod.

2,363,429
WALL MOUNTING
Clyde D. Lowry, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application February 12, 1940, Serial No. 318,436
7 Claims. (Cl. 72—19)



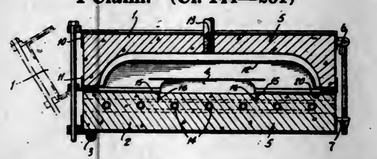
6. The combination with a supporting wall and facing panels therefor arranged in a plurality of rows, of longitudinally extending horizontal metal purlins for attaching said panels to said wall, each comprising a fixed member secured to said wall and extending longitudinally between two vertically adjacent rows of panels and supporting the upper row of panels thereupon, a forwardly directed T-member carried by said fixed member and comprising a horizontal stem integral with the said fixed member intermediate the upper and lower ends thereof and provided at its outer end with a substantially vertical face member, said fixed member being also provided with forwardly directed longitudinally extending shoulders cooperating with the stem of said T-member to form longitudinally extending grooves, wing members detachably associated with said vertical face member and provided at their inner ends with rearwardly offset attaching portions resulting in shoulders engaging the respective longitudinal edges of said face member and upon which said wing members fulcrum, the outer ends of said wing members engaging the facing panels while the rearwardly offset attaching portions thereof are received behind said vertical face member and provided with laterally directed toes received within said longitudinal grooves, and means carried by said fixed member and positioned rearwardly of said facing panels to yieldably hold said panels outwardly against said wing members and rock said wing members upon said face member to maintain the toes thereof within the longitudinal grooves in said fixed member.

2,363,430
THRUST AND JOURNAL BEARING
Axel Meldahl, Ennetbaden, Switzerland, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland, a joint-stock company
Application March 8, 1943, Serial No. 478,411
In Switzerland February 12, 1942
2 Claims. (Cl. 308—160)



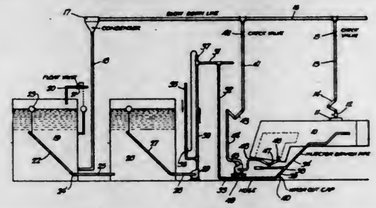
1. A tilting pad for thrust and journal bearings comprising a base section having a flat surface, a lining having a surface in sliding engagement with the flat surface of the base section, and means securing said lining to said base section; said means comprising an edge flange on said lining, and means securing the edge flange to a side of said base section.

2,363,431
APPARATUS FOR MOLDING PLYWOOD
Ben Moorhouse, Tuckahoe, N. Y., assignor to Epiphone Inc., a corporation of New York
Application April 16, 1943, Serial No. 483,229
1 Claim. (Cl. 144—281)



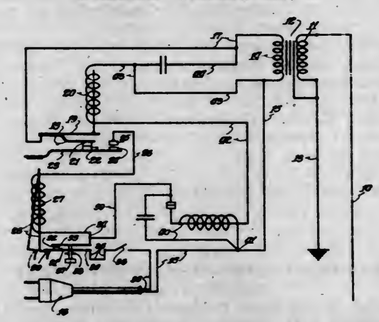
Apparatus for molding plywood comprising a chamber having an upper part and a lower part relatively movable with respect thereto, said parts being made of poured concrete, angle irons around the edges of said parts, means for clamping the two parts of said chamber together in air-tight relation, said lower part having a flat surface for accommodating one or more molds adapted to be placed thereon, steam pipes located in spaces in the poured concrete of said lower part under said flat surface, a flexible rubber diaphragm in the interior of said upper part and secured to the edges of said upper part by said angle irons, a rubber gasket on the edges of said flat surface for sealing the two parts of said chamber, an inlet for said upper part located above said diaphragm for enabling fluid under pressure to be uniformly applied to said diaphragm, said flat surface having bleeder apertures for preventing air pockets from forming between said diaphragm and said flat surface when pressure is applied to said diaphragm.

2,363,432
COOLING LOCOMOTIVE BOILERS
Harold E. Niksch, Chicago, Ill.
Application January 16, 1942, Serial No. 427,029
1 Claim. (Cl. 122—396)



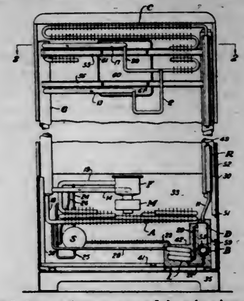
In apparatus of the class described, an engine house having locomotive stalls, a blow-down line and a heated water line adjacent to said stalls, means for connecting the top of a locomotive boiler with the blow-down line, means for connecting the branch pipe of the boiler with the heated water line, a pump, and means connecting the pump with the bottom of the boiler and with the blow-down line.

2,363,433
ELECTRIC FENCE
Waldemar N. Olson, Brookfield, Ill., assignor to Reynolds Electric Co., Chicago, Ill., a corporation of Illinois
Application August 24, 1942, Serial No. 455,879
5 Claims. (Cl. 256—10)



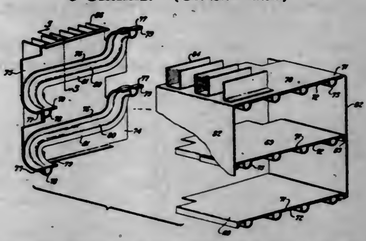
1. The combination with an enclosure conductor, of an open shock circuit including said conductor and the secondary coil of a circuit energizer; an energizing circuit including a primary coil cooperating with said secondary coil for energizing said shock circuit; a switch in said energizing circuit; a control circuit including means automatically operable by the current thereof for periodically opening and closing it; means for supplying current to said control circuit for automatically and periodically opening and closing it and means in said control circuit for momentarily closing and then opening said energizing circuit switch upon each opening and closing of said control circuit.

2,363,434
REFRIGERATION
Ralph C. Osborn, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio
Application June 25, 1941, Serial No. 399,636
17 Claims. (Cl. 62—119.5)



2. In a refrigerator; a cabinet structure having an insulated refrigerating chamber and a mechanism compartment extending below and along a vertical wall of said refrigerating chamber; an absorption refrigerating mechanism associated with said cabinet structure comprising an evaporator positioned in said chamber, an air cooled absorber positioned in said compartment below said evaporator, a condenser positioned along said vertical wall adjacent the top thereof, a boiler positioned in said compartment, a gas heat exchanger extending vertically along a wall of said chamber; a boiler flue extending vertically along said wall of said chamber in spaced relationship with said gas heat exchanger; a base frame in said compartment below said refrigerating chamber supporting said boiler, and the lower ends of said gas heat exchanger and said flue; and connections for said refrigerating mechanism constructed of heavy tubing; said apparatus being so constructed and arranged that said absorber, said condenser and said evaporator are supported in their respective positions solely by said gas heat exchanger and said boiler flue.

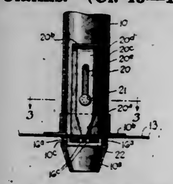
2,363,435
REFRIGERATION
Ralph C. Osborn, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio
Application July 28, 1941, Serial No. 404,330
8 Claims. (Cl. 62—126)



1. A two-temperature evaporator for an absorption refrigerating apparatus of the type which utilizes an inert gas under pressure for blowing liquid refrigerant upwardly through the evaporator comprising, a sharp freezing chamber, a box cooling section, said sharp freezing chamber comprising a top horizontal wall, an upper horizontal ice tray shelf and a bottom horizontal wall forming a lower ice tray shelf, said upper wall, upper shelf and lower wall each comprising

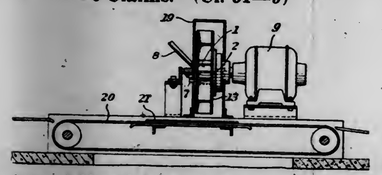
an upper flat plate and a lower plate with a depression formed in its upper surface and sealed in face to face relationship to the upper plate so that the depression forms a continuous duct between the plates having an inlet and an outlet, said box cooling section comprising two vertically positioned plates having complementary depressions in one face thereof, sealed together in face to face relationship with the depressions facing each other so as to form a continuous duct between the plates having an inlet and an outlet, means for leading liquid refrigerant and an inert gas under pressure to the inlet of the duct in the lower wall, and conduit means connecting the outlet of the duct in the lower wall to the inlet of the duct in the upper shelf, the outlet of the duct in the upper shelf to the inlet of the duct in the upper wall and the outlet of the duct in the upper wall to the inlet of the duct in the box cooling section.

2,363,436
POST SOCKET LATCH
George W. Pancoe, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application October 16, 1943, Serial No. 506,486
5 Claims. (Cl. 45—137)



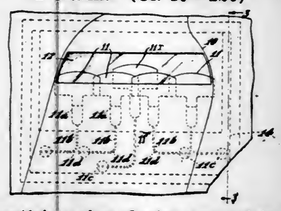
2. A post latch construction comprising in combination, an anchorage provided with a socket, a post adapted to be secured in said socket, said post having a tapered end, a retainer notch adjacent the tapered end, and a lateral foot adapted to rest against an outer surface of the anchorage, a resilient retainer secured to the anchorage adjacent said socket in position to be engaged by the tapered end of the post and to engage the notch, and an end-tapered push pin slidably mounted on the side of the post for releasing said retainer from the notch.

2,363,437
CENTRIFUGAL BLASTING MACHINE
Rolland E. Peterson, Gary, Ind.
Continuation of application Serial No. 356,099, September 9, 1940. This application June 14, 1943, Serial No. 490,823
6 Claims. (Cl. 51—9)



1. A centrifugal blasting machine including a revolving series of flat, radial centrifuging blades having surfaces radiating parallel with their revolving axis in circumferential alignment and with their radially extending ends, at one end of the series, being provided with propelling surfaces which extend forwardly with respect to the direction of rotation and are inclined to said axis; means for feeding a flow of blast material generally axially to said end of the series of blades at a speed causing the propelling surfaces to propel the blast material along the axis at a velocity exceeding that of the flow and to cause the centrifuging surfaces to radially centrifuge the blast material therefrom.

2,363,438
ADVERTISING SIGN DEVICE
Joseph Popper, deceased, late of Brooklyn, N. Y., by Ruby H. Popper, administratrix, Brooklyn, N. Y.
Application July 28, 1943, Serial No. 496,677
1 Claim. (Cl. 40—126)



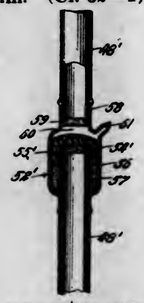
An advertising sign device comprising a panel bearing a picture symbolic of a container shown as holding liquid, a view opening formed in the upper portion of the panel and container picture in registry with the normal level of the liquid, a plurality of thin sheet form wavelet members operatively mounted on the sign device behind the view opening, the wavelet members having upright edges disposed in tandem relation and in closely spaced parallel planes and also in overlapping arrangement with each other, the wavelet members also being formed with upper arcuate edges which merge with each other by reason of said overlapping arrangement and which thus simulate the liquid level as having an undulated wave formation, the upper arcuate edges of the wavelet members being disposed below the top line of the view opening, while the lower edges of said wavelet members are disposed below the lower line of said view opening, and resilient means mounting each arcuate wavelet member separately on the sign device, whereby any vibration of the panel bearing the picture is imparted to each wavelet member through its separate resilient mounting means to separately actuate simultaneously the several wavelet members which thereby simulate a natural wave motion by the action of the several arcuate edges discernible through the view opening.

2,363,439
FELTED WATER-RESISTANT SHEET FIBERBOARD
Herman W. Richter, Bridgewater, Mass., assignor to George O. Jenkins Company, Bridgewater, Mass., a corporation of Massachusetts
Application July 25, 1940, Serial No. 347,468
4 Claims. (Cl. 106—156)



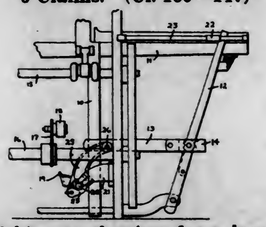
1. A water-laid felted water-resistant sheet fiber board useful in the manufacture of heel bases comprising 8 to 20% by weight of bituminous pitch type base and more than 50% by weight of fibrous material comprising cellulosic and leather fibers, said fibrous material comprising at least one-half cellulosic fibers and less than one-half leather fibers, said leather fibers being at least 9% by weight of the fiber board, and said bituminous pitch type base being uniformly distributed throughout the board, said fiberboard being relatively non-plastic and being characterized by a reticular fibrous structure.

2,363,440
VALVE
Charles Alfred Roswell, Newburgh, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application April 3, 1943, Serial No. 481,729
1 Claim. (Cl. 62—1)



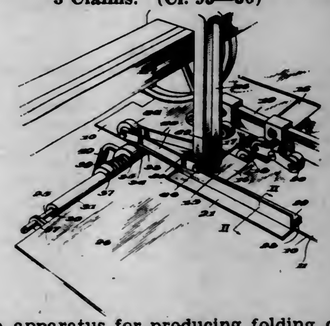
In refrigeration apparatus operable below atmospheric pressure and having a part in which non-condensible gases are collected, a vacuum pump, a conduit connecting said pump and said part, said vacuum pump being operative to exhaust non-condensible gases from said part to the atmosphere when the pressure produced by said pump is less than the pressure prevailing in said part, valve structure hermetically sealed in said conduit for preventing atmospheric air from entering said part when said pump is no longer operating, said valve structure comprising a porous body and a body of mercury covering a surface of said body, and said valve structure being so constructed and arranged that mercury cannot spill therefrom and will always cover the surface of said porous body irrespective of the position of said valve structure.

2,363,441
PICKING MECHANISM FOR LOOMS
Elliot A. Santon, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application October 23, 1943, Serial No. 507,407
6 Claims. (Cl. 139—147)



1. In picking mechanism for a loom having a picking shaft of rectangular cross section which on a picking stroke of the loom rocks in such a direction as to move the top of the shaft in one direction and move one side of the shaft downwardly and move the bottom of the shaft in the opposite direction and move the other side of the shaft upwardly, the loom operating with a sweep stick, a power arm member having one end connected to the sweep stick and having an angle pocket therein engaging the top and said one side of the shaft, a power arm cap member having an angle pocket engaging the bottom and said other side of the shaft, a pivotal connection between said members located adjacent to said one side and bottom of the shaft, and securing means on that side of the shaft opposite the pivotal connection adjacent to the top and said other side of said shaft connecting the members together and clamping said members to the shaft.

2,363,442
PNEUMATIC MEANS FOR STRIPPING LAMINATED PAPER STOCK
Arthur L. Scott, Columbus, Ohio, assignor to Frankenberg Bros., Inc., Columbus, Ohio, a corporation of Ohio
Application September 18, 1943, Serial No. 502,937
3 Claims. (Cl. 93—36)

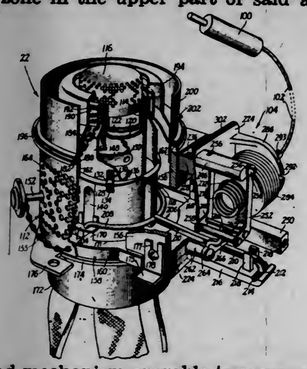


1. In apparatus for producing folding cartons of the type formed from a sheet of paperboard on which a sheet of lining material is secured by means of a heat-softening adhesive and wherein the paperboard sheet possesses a region severed from its body but retained in connection therewith by said lining sheet, a guideway, means for effecting linear advance of the blanks through said guideway, a heater in said guideway for locally heating said blanks as the same move therethrough, said heater serving to soften the adhesive uniting the severed region of each blank with its lining material, and means operative while said adhesive is in a softened state to remove the severed region of each blank from the lining material.

2,363,443
WICK TYPE OIL BURNER CONTROL
Harry C. Shagaloff, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application May 15, 1941, Serial No. 393,687
5 Claims. (Cl. 158—94)

1. In a wick type oil burner, an inner chimney and an outer chimney having an annular space therebetween, concentric cylindrical sleeves secured together in spaced apart relation and forming an annular wick holder, an annular wick in said holder, a turner on said holder for moving the wick vertically therein to adjust the exposure of the wick at the upper edge of the holder, said holder, wick, and turner forming a wick assembly located in and vertically movable as a unit in the annular space between said in-

ner and outer chimneys, said chimneys having perforated portions for supply of air to a combustion zone in the upper part of said annular



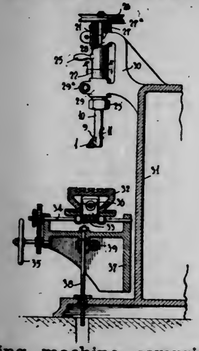
space, and mechanism operable to move said assembly up and down relative to said chimneys to regulate the heat of the burner flame.

2,363,444

MILLING MACHINE TOOL AND METHOD

Ralph Shipman, Sunbury, Pa.; Raldo E. Shipman and I. Kenneth Shipman, executors of said Ralph Shipman, deceased, assignors, by mesne assignments, to themselves, as joint tenants

Application June 7, 1941, Serial No. 397,108
12 Claims. (Cl. 90—17)



1. A milling machine comprising a conical cutter, a shaft on which said cutter is rigidly secured, a column in which said shaft is journaled to rotate, the axis of said shaft being disposed at an angle to a plane perpendicular to said column equal to one-half the angle of the cone, and means for rotating said shaft and cutter, said means comprising a second shaft enclosed within said column and parallel with the axis thereof.

2,363,445

PACKAGING SPRAY DRIED MILK POWDERS

Helge Shipstead, Syracuse, and Arthur Paul Brant, Little Valley, N. Y., assignors to The Borden Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application July 27, 1940, Serial No. 348,038
4 Claims. (Cl. 99—151)

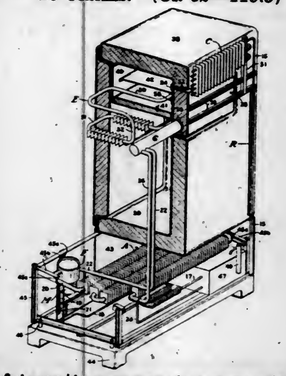
1. In a method of packaging a spray dried milk powder subject to deterioration by oxidation, the steps which comprise subjecting said powder in bulk and before packaging to a vacuum corresponding to an absolute pressure of not more than 10 inches of mercury for a period of not less than 10 hours, relieving the vacuum with air and packaging the powder in consumer containers under non-oxidizing conditions within a period which is substantially less than the period of vacuum treatment.

2,363,446

REFRIGERATION

Arnold D. Siedle, Cleveland Heights, Ohio, assignor to The Hoover Company, North Canton, Ohio

Application June 25, 1941, Serial No. 399,629
16 Claims. (Cl. 62—119.5)



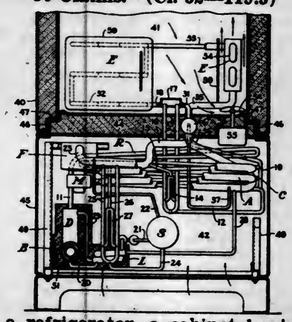
1. Refrigerating apparatus comprising an insulated refrigerating chamber structure, a mechanism chamber underlying said refrigerating chamber structure and having no greater horizontal dimensions, an absorption refrigerating mechanism associated with said structure including an evaporator in said refrigerating chamber, a condenser positioned on a vertical wall of said structure, and a generator and an absorber in said mechanism chamber, a sub frame arranged to support said condenser on said structure, and a second sub frame arranged to support said absorber and said generator in said mechanism compartment.

2,363,447

REFRIGERATION

Arnold D. Siedle, Cleveland Heights, Ohio, assignor to The Hoover Company, North Canton, Ohio

Application June 25, 1941, Serial No. 399,630
30 Claims. (Cl. 62—119.5)



1. In a refrigerator, a cabinet having an insulated food compartment and a mechanism

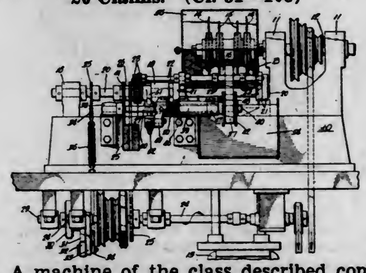
chamber arranged for flow of cooling air therethrough and entirely positioned below said food compartment, an absorption refrigerating mechanism associated with said cabinet including an evaporator in said compartment, an air cooled condenser and an air cooled absorber in said chamber, a boiler assembly in said chamber, means connecting said absorber and said boiler assembly for circulation of absorption solution, means connecting said absorber and said evaporator for circulation of inert gas, and means for conducting refrigerant vapor from said boiler assembly to said condenser and for conducting refrigerant liquid from said condenser to said evaporator.

2,363,448

APPARATUS FOR MANUFACTURING CERAMIC COIL FORMS

William M. Siesel, Morrisville, Pa.

Application April 27, 1943, Serial No. 484,792
20 Claims. (Cl. 51—103)



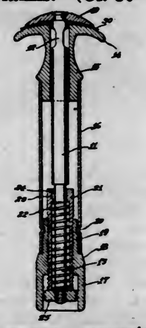
1. A machine of the class described comprising a driven shaft bearing an abrading wheel, a blank supporting cradle oscillatable about an axis paralleling the axis of the shaft and including parallel blank supports rotatable about axes paralleling the axis of the shaft, means to oscillate the cradle to shift a blank on said blank supports into and out of engagement with said abrading wheel, and means to rotate said blank supports in a direction such and at a rate such that the adjacent peripheral portions of the abrading wheel and blank are moving in the same direction at different speeds.

2,363,449

SAFETY RAZOR

Samuel C. Stampleman, Cohasset, and Nicholas Testi, Boston, Mass., assignors to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware

Application April 8, 1944, Serial No. 530,160
In Canada October 16, 1943
7 Claims. (Cl. 30—72)



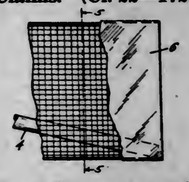
2. A safety razor comprising cooperating blade-clamping members having telescopically arranged stem and barrel connected thereto respectively, a sleeve forming an open-ended chamber about the stem, a compression spring in said chamber, a nut on the stem closing the outer end of said sleeve and supplying an abutment for said spring, and means for longitudinally adjusting the sleeve on said stem.

2,363,450

VENT FOR CORES

Earl Stein, Kutztown, Pa.

Application June 3, 1943, Serial No. 489,523
2 Claims. (Cl. 22—172)



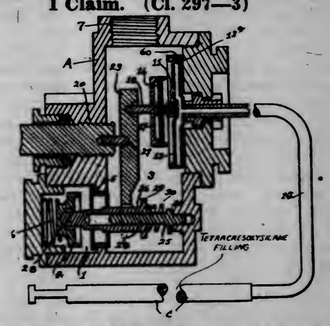
2. A vent for sand cores comprising an elongated tubular body of soft wire mesh material, said body being flat sided, a wrapping of material around said body adapted to melt under the action of heat at a high temperature, and a longitudinally bowed brace rod in said body extending from end to end thereof with its ends and intermediate portion bearing against said body.

2,363,451

THERMORESPONSIVE DEVICE

Arthur Stockstrom, St. Louis, Mo., assignor to American Stove Company, St. Louis, Mo., a corporation of New Jersey

Application October 20, 1941, Serial No. 415,841
1 Claim. (Cl. 297—3)



In a thermostatically operated device for use over a wide range of temperatures from a low of at least zero degrees F. to a high of approximately 800° F., a bulb in the zone of heat, an expansible and contractable chamber, a conduit interconnecting the bulb and the chamber, a thermoresponsive medium completely filling said bulb, conduit and chamber, said thermo-responsive medium being tetracresoxysilane.

2,363,452

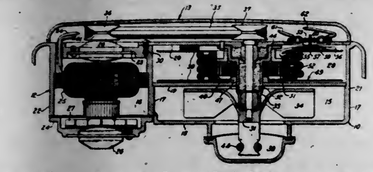
SUCTION CLEANER

Edward R. Swann, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio

Application December 26, 1941, Serial No. 424,503
5 Claims. (Cl. 15—16)

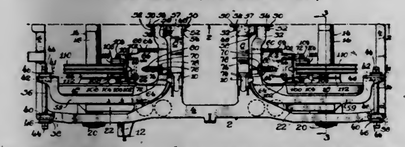
5. In a suction cleaner, an ambulatory body, a motor in said body, a fan casing in said body, a

fan in said fan casing, a cord take-up rotatably supported in said body on an axis aligned with the axis of said fan, an electric cord carried by said take-up and connected to said motor, said



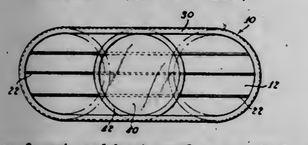
fan casing, fan and cord take-up arranged in laterally offset relation with respect to the axis of said motor and alongside the latter, and means connecting said motor and fan for rotating the latter.

2,363,453
RAILWAY BRAKE
Carl E. Tack, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application June 15, 1942, Serial No. 447,084
7 Claims. (Cl. 188—153)



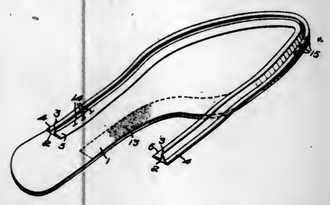
1. In a brake arrangement, a vehicle frame, a supporting wheel and axle assembly, a brake frame supported from said assembly, a torque connection between said vehicle and brake frames, a brake disc driven by said assembly, a pocket formed on said brake frame and defined by a bottom wall and spaced webs upstanding therefrom, a cylinder housing seated on said bottom wall between said webs, said bottom wall and said housing having complementary arcuate contour, spaced lugs on the bottom of said wall projecting forwardly thereof, lugs on said housing embracing each of the first-mentioned lugs and removably secured thereto, readily removable means affording additional securement for said housing with respect to said brake frame, friction means for engagement with opposite sides of said disc, and brake levers fulcrumed in said housing and operatively connected to respective frictions means.

2,363,454
CABINET
Daniel W. Witkin, Brooklyn, N. Y.
Application July 2, 1943, Serial No. 493,310
1 Claim. (Cl. 312—189)



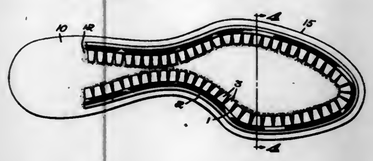
An open-front cabinet and a partial closure therefor, the cabinet comprising a rear wall, horizontally disposed top and bottom walls, and a pair of side walls, the top and bottom walls being straight and parallel to each other, and the side walls being semi-circularly curved outwardly, the marginal edges of the top, bottom and side walls being inturned about the opening into the cabinet, a trackway U-shaped in cross-section surrounding the opening the inner side of which trackway is secured to the inturned marginal edges of the top, bottom and side walls, and the closure comprising a rollable circular plate within the trackway of diameter slightly less than the distance between the top and bottom walls and less than half the length of the cabinet, so that at least half the cabinet opening is always uncovered and ready access had thereinto.

2,363,455
WELT INSOLE
Wallace C. Wright, Brookfield, N. H., assignor to Wright-Batchelder Corporation, Boston, Mass., a corporation of Massachusetts
Application October 3, 1941, Serial No. 413,500
2 Claims. (Cl. 36—22)



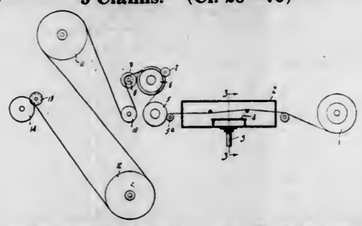
2. A welt insole comprising an insole blank and a sewing rib secured to the marginal portion of said insole blank, said sewing rib comprising an upstanding stitch-receiving portion and an integral horizontal attaching flange, said attaching flange being adhesively secured to the insole, said rib and flange being preformed from a plasticized polyvinyl resinous compound of initial and permanent pliability for yielding with the flexing of a shoe, said resinous compound comprising between twenty-five per cent to seventy-five per cent in weight of the compound, and being of sufficient rigidity to withstand lasting and a toughness to retain stitching independently of gemming or other reinforcing.

2,363,456
SEWING RIB FOR WELT INSOLES
Wallace C. Wright, Brookfield, N. H., assignor to Wright-Batchelder Corporation, Boston, Mass., a corporation of Massachusetts
Application April 8, 1942, Serial No. 438,096
3 Claims. (Cl. 36—22)



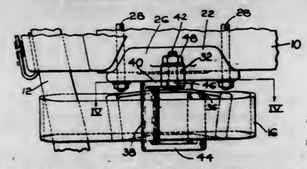
1. As a new article of manufacture, a sewing rib for attachment to an insole blank for use in the manufacture of welt insoles, comprising a preformed, continuous, unscarfed plastic material, having an upstanding rib and horizontal attaching flange, said material being of Koroseal, Vinylite, or the like, and with a hardness of approximately 80 to 82 as measured on a Shore durometer, and a tensile strength at rupture at approximately 2500 to 3500 pounds per square inch.

2,363,457
PROCESS OF MAKING THREAD
Sterling W. Alderfer, Akron, Ohio, assignor of one-half to Edward D. Andrews, Akron, Ohio
Application May 1, 1942, Serial No. 441,413
5 Claims. (Cl. 28—76)



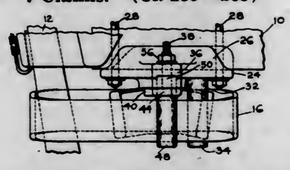
1. The process of making a thread comprising subjecting the surfaces of a tape made from a polyvinyl alcohol to a steam bath to render the surfaces of the tape tacky without causing the body of the tape to swell, heating and stretching the tape, and rolling the tape upon itself while its surfaces are in this condition from one edge so that the convolutions adhere to one another.

2,363,458
MEANS FOR CHECKING PICKER STICKS
Walter J. Budzyna, East Douglas, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine
Application February 19, 1944, Serial No. 523,039
6 Claims. (Cl. 139—165)



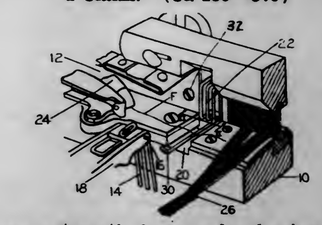
1. A friction device for a picker stick check mechanism of the type wherein a flexible looped check strap is located below the lay and within which the picker stick oscillates, said device including a bracket fixed to the lay, a frame pivotally secured to said bracket for adjustment thereon, a pair of friction fingers fixed to said frame and engaging opposite faces of the check strap to cause the check strap to follow a sinuous path when moved by the picker stick, and means for locking said frame in adjusted position.

2,363,459
PICKER STICK CHECKING MECHANISM
Walter J. Budzyna, East Douglas, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine
Application February 19, 1944, Serial No. 523,040
7 Claims. (Cl. 139—165)



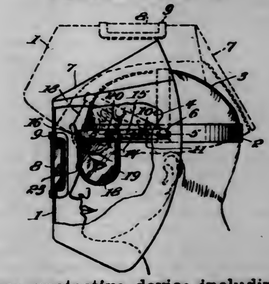
1. A friction device for a picker stick check of the type including a flexible looped strap supported beneath the lay and within which the picker stick oscillates, said device including a bracket fixed to the lay and having a depending friction finger adapted to engage the inner face of said strap, a supporting member adjustably secured to said bracket and having a depending friction finger adapted to engage said strap, and adjusting means for positioning the second friction finger relatively to the first friction finger, said adjusting means comprising a member rotatably mounted in said bracket and having a portion engaging said second bracket for moving said supporting member into adjusted position, and means for locking said adjusting means in adjusted position.

2,363,460
FILLING FORK GRATE
Quincy M. Hancock, Atlanta, Ga., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine
Application February 9, 1944, Serial No. 521,595
1 Claim. (Cl. 139—379)



In an automatic loom, a lay having a transverse filling fork recess, a filling fork entering said recess and arranged to be tilted by engagement with the running filling extended across said recess, a filling fork grate fixed to the lay behind said recess and having a plurality of vertical extending bars defining openings for receiving said fork, and a finger fixed to the lower end of one of said bars and extending forwardly above the floor of said recess and terminating forwardly of said lay to support slack filling extending across said recess in position to be engaged by the filling fork during the forward beat of the lay, said finger at its forward end being turned upwardly and forwardly to prevent the filling from falling off of said finger and below said fork.

2,363,461
WELDER'S MASK
Francis D. Huntsman, Salt Lake City, Utah, assignor to Huntsman Welding Shield Company, Salt Lake City, Utah, a partnership consisting of Francis D. Huntsman, Minnie Huntsman, R. E. Kimberlin, and Marion M. Kimberlin
Application March 29, 1943, Serial No. 480,979
1 Claim. (Cl. 2—8)

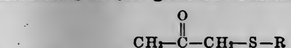


In a face protective device including a headband, an arcuate member of yieldable sheet ma-

terial pivotally associated near its ends with said headband at its sides and swingable downwardly to and upwardly from position in front thereof, an eyeshield mounted on and depending from the front of said member, and an inclined surfaced projection on the inside of said member near one of its pivotal points contactable with the upper edge of said headband to hold up said member and movable over the edge of said headband to frictionally contact with the surface thereof on downward movement of said member.

2,363,462
ACETONYL THIOETHERS
Glen H. Morey, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
No Drawing. Application March 8, 1941, Serial No. 382,339
4 Claims. (Cl. 260—593)

1. In a process for the preparation of acetonyl thioethers of the general formula

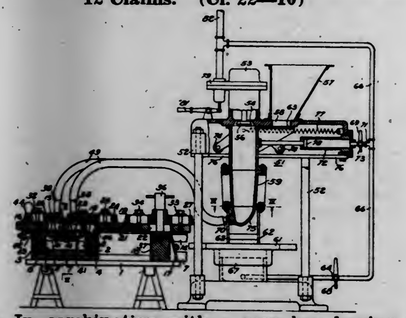


in which R is an aliphatic radical, the sum of whose atomic weights is greater than 29, the steps which comprise reacting a monohalogenated acetone with a mercaptan of the type

R—S—H

in which R is an aliphatic radical having an equivalent weight greater than 29, under substantially neutral conditions and in the presence of a mutual solvent for said monohalogenated acetone and mercaptan, to produce said acetonyl thioether and the corresponding hydrogen halide, and removing said hydrogen halide from the reaction mixture as it is formed therein.

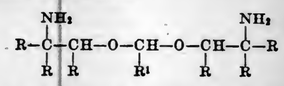
2,363,463
DIAPHRAGM CORE BLOWING APPARATUS
Albert F. Pfeiffer, West Allis, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application December 17, 1941, Serial No. 423,311
12 Claims. (Cl. 22—10)



1. In combination with a core box having a relatively long and narrow core forming portion, a relatively short core blowing head disposed on said box so as to transversely bridge said core forming portion, said box and head having coacting retaining parts rendering said box and head relatively movable for producing in effect a movement of said head along the core forming portion of said box, a source of sand, means operatively connecting said source with said head, and means operative to cause sand to pass from said source through said connecting means and through said head.

2,363,464
BETA-AMINOALKYL ACETALS
Murray Senkus, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
No Drawing. Application April 29, 1942, Serial No. 441,022
7 Claims. (Cl. 260—584)

1. Symmetrical beta-aminoalkyl acetals having the structural formula:



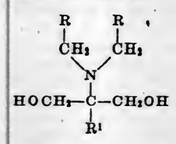
wherein R represents a member selected from the group consisting of hydrogen and alkyl, and R^1 represents a member selected from the group consisting of hydrogen, alkyl, and aryl.

2,363,465
N-SUBSTITUTED AMINO ALCOHOLS AND PROCESS OF MAKING SAME
Murray Senkus, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
No Drawing. Application May 7, 1942, Serial No. 442,082
7 Claims. (Cl. 260—570.6)

1. In a process for the preparation of N-substituted amino alcohols, the steps which comprise reacting a Grignard reagent with a member selected from the group consisting of oxazolidines and 1-aza-3,7-dioxabicyclo(3.3.0)octanes, and hydrolyzing the resulting reaction product.

2,363,466
AMINOALKANEDIOLS
Murray Senkus, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
No Drawing. Application May 7, 1942, Serial No. 442,081
7 Claims. (Cl. 260—584)

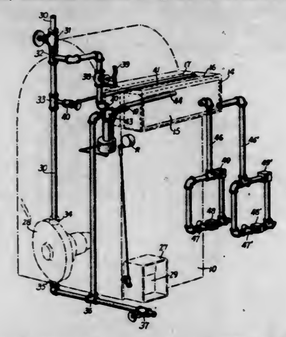
1. Aminoalkanediols having the formula:



wherein R represents a member selected from the group consisting of hydrogen and alkyl, and R^1 represents a member selected from the group consisting of hydrogen, alkyl, and alpha-hydroxyalkyl.

2,363,467
APPARATUS FOR DRYING
William Strobridge, Syracuse, N. Y., assignor to United States Hoffman Machinery Corporation, New York, N. Y., a corporation of Delaware
Application January 13, 1942, Serial No. 426,570
5 Claims. (Cl. 34—48)

4. In apparatus of the character described, in combination, a drying chamber, steam driven means having relatively high and low pressure steam supply and exhaust connections, a fan driven by said steam driven means for causing a current of air to pass through said drying chamber, heating means for said air comprising a primary heater and a secondary heater, means connecting said primary heater with said exhaust connection, means including a control valve con-

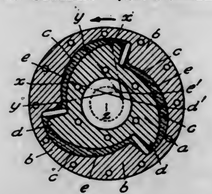


necting said secondary heater with said steam supply connection, and time controlled operating means for said control valve.

2,363,468
CALKING COMPOUND
Duane H. Tollstrup, Los Angeles, Calif.
No Drawing. Application July 26, 1941, Serial No. 404,256
1 Claim. (Cl. 106—282)

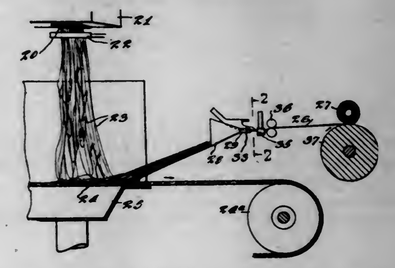
A calking compound constituted of the following ingredients related to the total mass by weight substantially percentually as indicated: bentonite, thirty percent; fibrous material, thirty-seven percent; from the group consisting of asphaltic, coal tar and mineral oil, thirty-three percent.

2,363,469
FLEXIBLE COUPLING, FLEXIBLE MOUNTING, AND THE LIKE
Max Goldschmidt, Leicester, England, assignor to Metalastik Limited, Leicester, England, a British company
Application December 15, 1943, Serial No. 514,391
In Great Britain September 1, 1942
12 Claims. (Cl. 64—11)



1. An elastic coupling for rotary members loaded in torsion comprising inner and outer members, the inner member having circumferentially extending but circumferentially separated surface segments, the outer member similarly having a like number of circumferentially extending but circumferentially separated surface segments, each of the surface segments on one member mating with and having substantially the same circumferential contour with relation to the axis of the coupling as an adjacent surface segment on the other member but being displaced circumferentially therefrom in one direction when the coupling is not in torsion so as to provide a space radially between them, and rubber radially extending between each pair of mating surface segments and bonded thereto.

2,363,470
METHOD FOR MAKING SLIVER
George M. Lannan and Frank Vanucci, Newark, Ohio, assignors, by mesne assignments, to Owens-Corning Fiberglas Corporation, Toledo, Ohio, a corporation of Delaware
Original application May 21, 1937, Serial No. 144,024, now Patent No. 2,239,722, dated April 29, 1941. Divided and this application July 9, 1940, Serial No. 344,524
3 Claims. (Cl. 19—150)



1. The method which comprises continuously supplying a multiplicity of glass fibers and collecting them in haphazard arrangement in a ribbon-like web and forcibly and releasably holding said fibers in said arrangement, applying a drawing force to the web by which the web is continuously advanced and continuously elongated against the force holding the fibers in haphazard arrangement to thereby form a sliver, folding said sliver on itself along its length as it advances and exerting positive pressure on the sliver along a line extending centrally lengthwise of the sliver to aid in folding the longitudinal edges of the sliver into the center of the sliver, and thereafter applying to the sliver inwardly directed pressure spirally about its body and progressively lengthwise thereof to lick down and wrap loose fiber ends about the body.

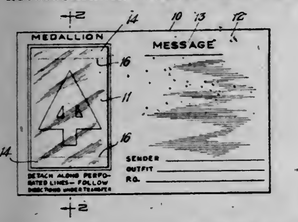
2,363,471
PROCESS OF RECOVERING BILE PIGMENTS
Jules D. Porsche and Robert H. Sifferd, Chicago, Ill., assignors to Armour and Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application June 1, 1940, Serial No. 338,433
15 Claims. (Cl. 260—314)

1. A process for recovering bile pigment from a natural complex containing the same which comprises maintaining said natural complex in the presence of water and a preservative agent and alkali in amount to give a pH of more than about 7.5 at a temperature not in excess of room temperature until the water-soluble salt of said pigment has formed, acidifying the resulting liquid mixture, extracting said mixture with a water-immiscible organic solvent, and recovering the bile pigment from the extract thus obtained.

2,363,472
MAILING CARD
Louis S. Ritter, Darien, Conn.
Application December 10, 1941, Serial No. 422,327
5 Claims. (Cl. 229—92.8)

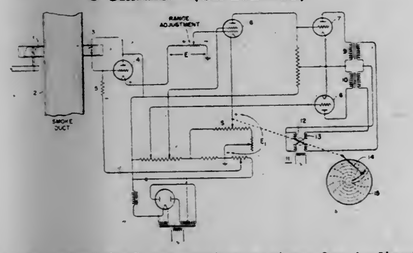
1. A package comprising a basal member having a surface area, a decalcomania transfer mounted on said area and detachable therefrom for transferring to a smooth surface, said decalcomania transfer having an identification in

a corner thereof, and a protective cover overlying the said decalcomania transfer and leaving the



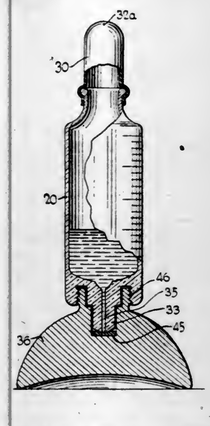
identification at the corner of the decalcomania exposed.

2,363,473
MEASURING AND CONTROLLING SYSTEM
John D. Ryder, Pepper Pike Village, Ohio, assignor to Bailey Meter Company, a corporation of Delaware
Application March 3, 1941, Serial No. 381,535
5 Claims. (Cl. 171—95)



1. An electrical measuring system for indicating changes in electromotive-force including in combination, an electron discharge device having an input circuit arranged for conductive connection to the voltage to be measured and forming a portion of an automatically rebalancing system comprising a source of voltage and a shunting potentiometer including a slide wire resistance arranged in said system and adapted for balancing the voltage to be measured through the said device, a reversible motor under the control of the output of said device, said motor being arranged to adjust the said slide wire resistance upon change in voltage to balance the voltage to be measured and stop the motor, and an indicator positioned by the motor to designate the value of said electromotive force.

2,363,474
LIQUID DISPENSER
Joseph H. Schlesinger, New York, N. Y., assignor to Eagle Chemical Co., New York, N. Y.
Application May 18, 1940, Serial No. 335,888
6 Claims. (Cl. 221—148)

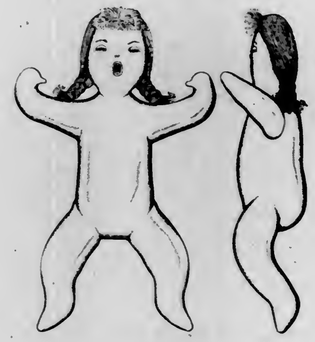


1. A dispenser for liquids comprising a rigid container including a body, a charging mouth, and a delivery end provided with an orifice opening downwardly, a resilient diaphragm closing the said mouth and adapted when pressed to create within the container a pressure above atmospheric, a supporting stand for the said container, means attaching the stand directly and positively to the said body of the container at a position spaced from the said delivery end and a gasket disposed below the orifice and pressed against the delivery end by the said base so as to close the orifice.

DESIGNS

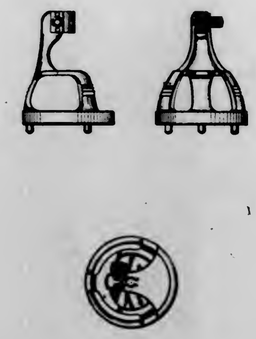
NOVEMBER 21, 1944

139,458
DESIGN FOR A DOLL
Caroline G. Davis, New York, N. Y.
Application May 20, 1944, Serial No. 113,703
Term of patent 7 years
(Cl. D34—4)



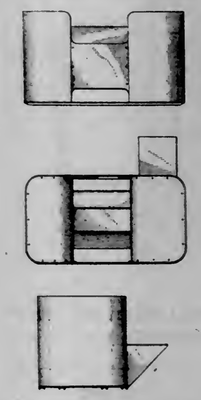
The ornamental design for a doll, as shown.

139,459
DESIGN FOR A DRAFTING DEVICE
William G. Dentzler, Jr., Milwaukee, Wis.
Application May 5, 1944, Serial No. 113,495
Term of patent 14 years
(Cl. D52—1)



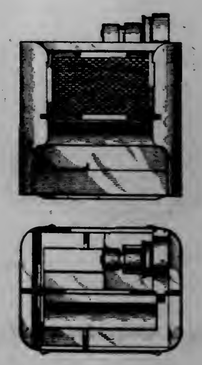
The ornamental design for a drafting device, as shown and described.

139,460
DESIGN FOR A TUMBLING APPARATUS
George E. Huenerfauth, Park Ridge, Ill., assignor to Crown Rheostat & Supply Co., Chicago, Ill., a corporation of Illinois
Application March 31, 1944, Serial No. 113,097
Term of patent 14 years
(Cl. D55—1)

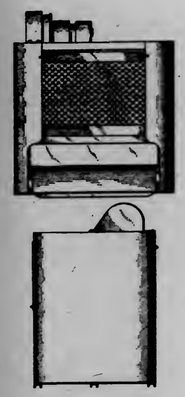


The ornamental design for a tumbling apparatus, substantially as shown.

139,461
DESIGN FOR A TUMBLING MACHINE
George E. Huenerfauth, Park Ridge, Ill., assignor to Crown Rheostat & Supply Co., Chicago, Ill., a corporation of Illinois
Application March 31, 1944, Serial No. 113,098
Term of patent 14 years
(Cl. D55—1)

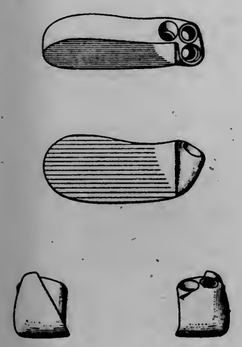


139,461—Continued



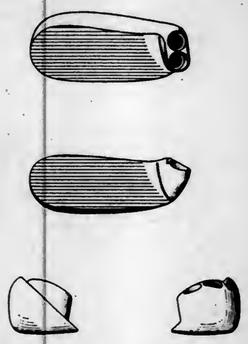
The ornamental design for a tumbling machine, substantially as shown.

139,462
DESIGN FOR A GOLF CLUB HEAD
John Jay Jakosky, Los Angeles, Calif.
Application August 30, 1944, Serial No. 115,142
Term of patent 7 years
(Cl. D34—5)



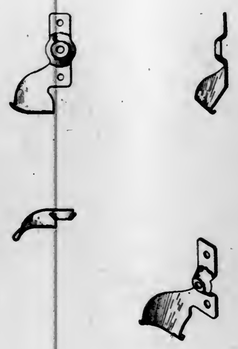
The ornamental design for a golf club head, as shown.

139,463
DESIGN FOR A GOLF CLUB HEAD
John Jay Jakosky, Los Angeles, Calif.
Application August 30, 1944, Serial No. 115,143
Term of patent 7 years
(Cl. D34—5)



The ornamental design for a golf club head, as shown.

139,464
DESIGN FOR A COMBINED WINDOW SHADE BRACKET AND GUIDE
Edward A. Littman, Cudahy, Wis.
Application August 11, 1944, Serial No. 114,843
Term of patent 3½ years
(Cl. D21—1)



The ornamental design for a combined window shade bracket and guide, as shown.

139,465
DESIGN FOR A DOLL
Valrie E. McMahan, Burlingame, Calif.
Application February 21, 1944, Serial No. 112,653
Term of patent 14 years
(Cl. D34—4)



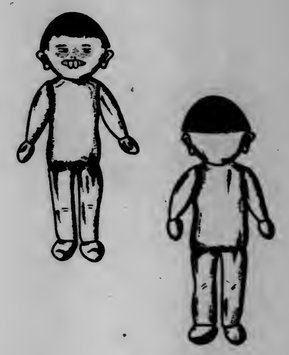
The ornamental design for a doll, as shown.

139,466
DESIGN FOR A CLASP FOR A HANDBAG OR SIMILAR ARTICLE
John De Pasquale and Alexander Westerman, Brooklyn, N. Y., assignors to Hardy Metal Specialties Inc., Brooklyn, N. Y., a corporation of New York
Application June 7, 1944, Serial No. 113,890
Term of patent 7 years
(Cl. D87—2)



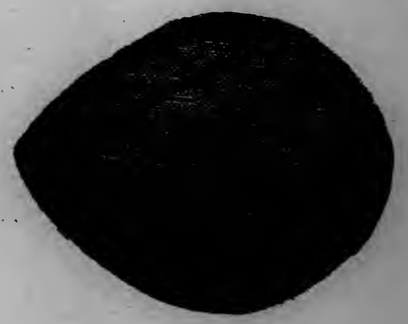
The ornamental design for a clasp for a handbag or similar article, substantially as shown.

139,467
DESIGN FOR A DOLL
Corinne Del Vecchio, St. Albans, N. Y.
Application May 19, 1944, Serial No. 113,689
Term of patent 14 years
(Cl. D34—4)



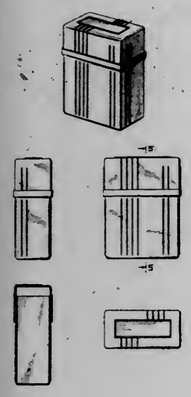
The ornamental design for a doll, as shown.

139,468
DESIGN FOR AN EMBROIDERED MEDALLION OR THE LIKE
Maurice Fixler, Chicago, Ill., assignor to Fixler Bros., Chicago, Ill., a copartnership composed of Maurice Fixler and Martin Fixler
Application July 29, 1944, Serial No. 114,614
Term of patent 7 years
(Cl. D3—9)



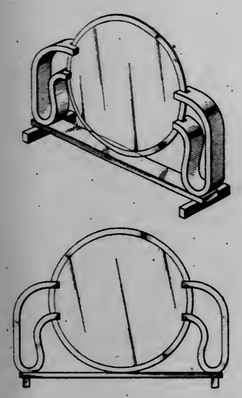
The ornamental design for an embroidered medallion or the like, as shown.

139,469
DESIGN FOR A CIGARETTE CASE OR THE LIKE
Joseph C. Foster, Leominster, Mass., assignor to Fosgood Corporation, Leominster, Mass., a corporation of Massachusetts
Application September 15, 1944, Serial No. 115,310
Term of patent 14 years
(Cl. D85—2)



The ornamental design for a cigarette case or the like, substantially as shown.

139,470
DESIGN FOR A PICTURE FRAME OR SIMILAR ARTICLE
Milan E. Gabriel, New York, N. Y.
Application September 9, 1944, Serial No. 115,241
Term of patent 7 years
(Cl. D29—20)



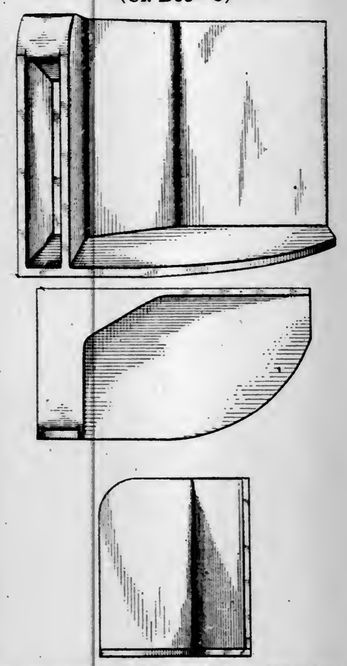
The ornamental design for a picture frame or similar article, substantially as shown.

139,471
DESIGN FOR A PICTURE MOUNT OR SIMILAR ARTICLE
Rex Hendrix, Brooklyn, N. Y.
Application September 9, 1944, Serial No. 115,250
Term of patent 7 years
(Cl. D61—1)



The ornamental design for a picture mount or similar article, substantially as shown.

139,472
DESIGN FOR A TELEPHONE SUPPORTING SHELF
Robert H. Hose, Mountainside, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 16, 1944, Serial No. 112,920
Term of patent 14 years
(Cl. D33—3)



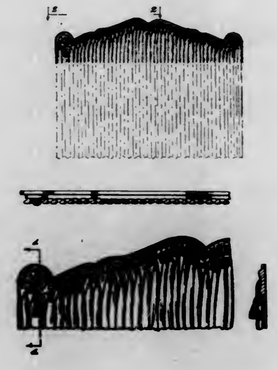
The ornamental design for a telephone supporting shelf, as shown.

139,473
DESIGN FOR A SMOKE STAND
Urban B. Kronenwetter, St. Marys, Pa.
Application September 21, 1944, Serial No. 115,384
Term of patent 14 years
(Cl. D85—2)



The ornamental design for a smoke stand, substantially as shown.

139,474
DESIGN FOR A DRAPED PARTITION OR THE LIKE
Morris Lange, University Heights, Ohio
Application October 11, 1943, Serial No. 111,337
Term of patent 7 years
(Cl. D21—6)



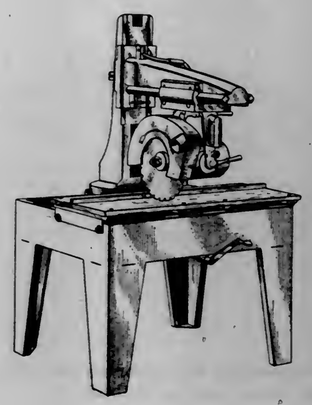
The ornamental design for a draped partition or the like, substantially as shown and described.

139,475
DESIGN FOR AN IMPLEMENT HANDLE
Myron P. Laughlin, Gulfport, Fla.
Application December 1, 1942, Serial No. 108,919
Term of patent 14 years
(Cl. D93—4)

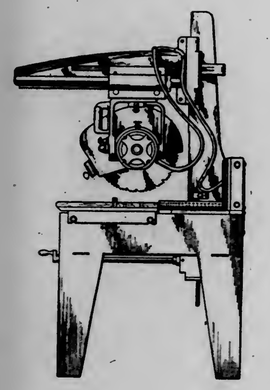


The ornamental design for an implement handle, as shown.

139,476
DESIGN FOR A RADIAL ARM SAW
Burke Miller, Kansas City, Mo.
Application August 5, 1944, Serial No. 114,746
Term of patent 14 years
(Cl. D93—3)



139,476—Continued



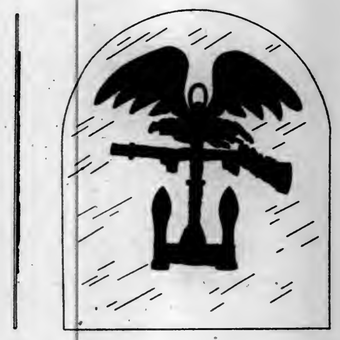
The ornamental design for a radial arm saw, as shown.

139,477
DESIGN FOR A STOCKING
Louis Oseroff, Cleveland Heights, Ohio
Application August 23, 1944, Serial No. 114,977
Term of patent 14 years
(Cl. D47—7)



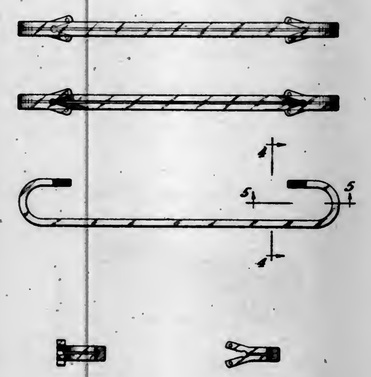
The ornamental design for a stocking, substantially as shown and described.

139,478
DESIGN FOR AN APPLIQUE OR SIMILAR ARTICLE
Jesse Rafelman, Norfolk, Va.
Application September 19, 1944, Serial No. 115,367
Term of patent 3½ years
(Cl. D3—9)



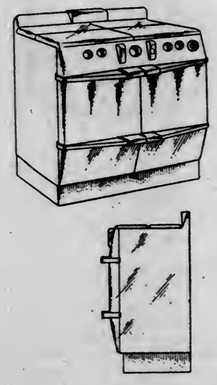
The ornamental design for an applique or similar article, as shown.

139,479
DESIGN FOR A TOWEL RACK
Frank Sale, Los Angeles, Calif., assignor to Gregori of Hollywood Inc., Los Angeles, Calif., a corporation of California
Application July 17, 1944, Serial No. 114,434
Term of patent 7 years
(Cl. D33—16)



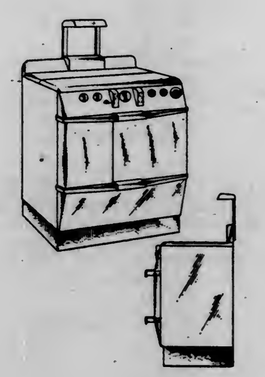
The ornamental design for a towel rack, as shown.

139,480
DESIGN FOR A GAS RANGE
Arthur T. Thygeson, Larchmont, N. Y., assignor to Floyd Wells Company, Royersford, Pa., a corporation of Pennsylvania
Application August 9, 1944, Serial No. 114,799
Term of patent 14 years
(Cl. D81—4)



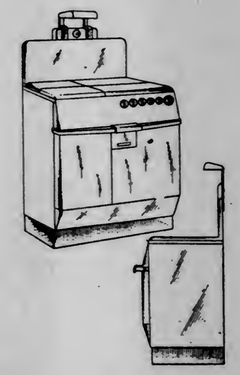
The ornamental design for a gas range, as shown.

139,481
DESIGN FOR A GAS RANGE
Arthur T. Thygeson, Larchmont, N. Y., assignor to Floyd Wells Company, Royersford, Pa., a corporation of Pennsylvania
Application September 16, 1944, Serial No. 115,314
Term of patent 14 years
(Cl. D81—4)



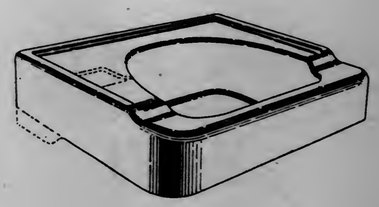
The ornamental design for a gas range, as shown.

139,482
DESIGN FOR A COMBINATION SOLID AND FLUID FUEL RANGE
Arthur T. Thygeson, Larchmont, N. Y., assignor to Floyd Wells Company, Royersford, Pa., a corporation of Pennsylvania
Application September 16, 1944, Serial No. 115,315
Term of patent 14 years
(Cl. D81—4)



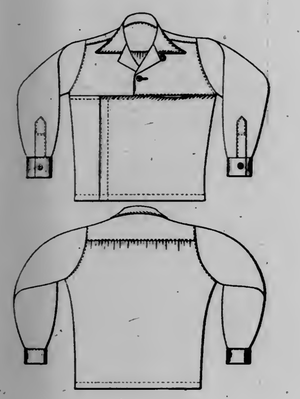
The ornamental design for a combination solid and fluid fuel range, as shown.

139,483
DESIGN FOR A LAVATORY
Bertrand N. Trombley, Oak Park, Mich., assignor to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware
Application March 21, 1944, Serial No. 112,982
Term of patent 7 years
(Cl. D4—2)



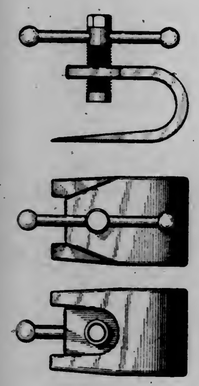
The ornamental design for a lavatory, substantially as shown.

139,484
DESIGN FOR A SHIRT OR SIMILAR ARTICLE
Solomon Epstein, Los Angeles, Calif.
Application September 2, 1944, Serial No. 115,177
Term of patent 7 years
(Cl. D3—25)



The ornamental design for a shirt or similar article, as shown.

139,485
DESIGN FOR A BATTERY TERMINAL PULLER
William E. Jarvis, Greenfield, Mass.
Application August 29, 1944, Serial No. 115,108
Term of patent 7 years
(Cl. D54—13)



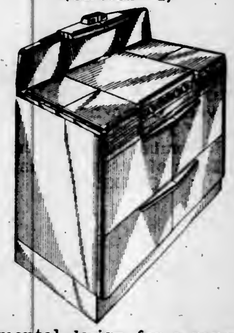
The ornamental design for a battery terminal puller, as shown.

139,486
DESIGN FOR A SEWING KIT
Ernest E. Koch, Forest Hills, N. Y.
Application May 26, 1944, Serial No. 113,760
Term of patent 3½ years
(Cl. D3—19)



The ornamental design for a sewing kit, as shown.

139,487
DESIGN FOR A RANGE
Joshua Gordon Lippincott, Scarsdale, N. Y., assignor to Florence Stove Company, Gardner, Mass., a corporation of Massachusetts
Application August 10, 1944, Serial No. 114,814
Term of patent 14 years
(Cl. D81—4)



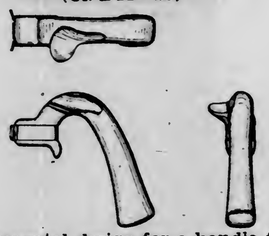
The ornamental design for a range, as shown and described.

139,488
DESIGN FOR A PIN OR SIMILAR ARTICLE
Harry A. Malinowski, Meriden, Conn., assignor to The Ellmore Silver Company, Inc., Meriden, Conn., a corporation of Connecticut
Application September 30, 1944, Serial No. 115,548
Term of patent 14 years
(Cl. D45—19)



The ornamental design for a pin or similar article, substantially as shown.

139,489
DESIGN FOR A HANDLE FOR COFFEE MAKERS
Julian M. Moore, West Hartford, Conn., assignor to The Silex Company, Hartford, Conn., a corporation of Connecticut
Application April 13, 1944, Serial No. 113,239
Term of patent 14 years
(Cl. D44—26)



The ornamental design for a handle for coffee makers, substantially as shown.

139,490
DESIGN FOR AN APPLIQUE OR SIMILAR ARTICLE
Jesse Rafelman, Norfolk, Va.
Application August 25, 1944, Serial No. 115,031
Term of patent 3½ years
(Cl. D3—9)



The ornamental design for an applique or similar article, as shown.

139,491
DESIGN FOR A DRESS
Ben Sheinbaum, New York, N. Y.
Application September 27, 1944, Serial No. 115,470
Term of patent 7 years
(Cl. D3—26)



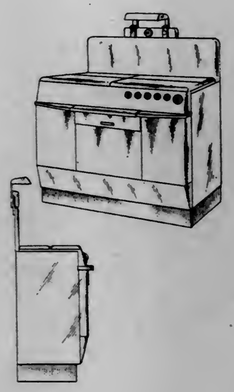
The ornamental design for a dress, substantially as shown.

139,492
DESIGN FOR A COMBINATION CAP AND COMB
Albert E. Sierad, Larchmont, N. Y.
Application August 26, 1944, Serial No. 115,052
Term of patent 14 years
(Cl. D86—8)



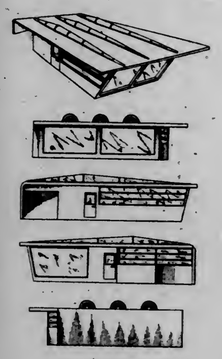
The ornamental design for a combination cap and comb, substantially as shown.

139,493
DESIGN FOR A COMBINATION SOLID AND FLUID FUEL RANGE
Arthur T. Thygeson, Larchmont, N. Y., assignor to Floyd Wells Company, Royersford, Pa., a corporation of Pennsylvania
Application August 9, 1944, Serial No. 114,798
Term of patent 14 years
(Cl. D81—4)



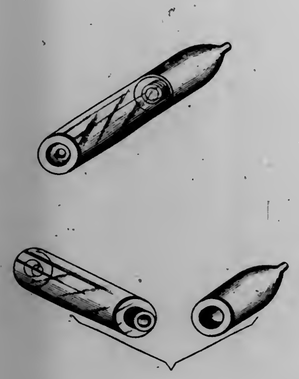
The ornamental design for a combination solid and fluid fuel range, as shown.

139,494
DESIGN FOR A HOUSE
George W. Walker, Pleasant Ridge, Mich., assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich., a corporation
Application September 1, 1943, Serial No. 111,046
Term of patent 3½ years
(Cl. D13—1)



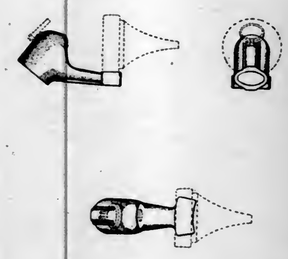
The ornamental design for a house, substantially as shown.

139,495
DESIGN FOR A PERFUME CONTAINER
George Bennett, New York, N. Y., assignor to Pinaud Incorporated, New York, N. Y., a corporation of New York
Application July 28, 1944, Serial No. 114,602
Term of patent 14 years
(Cl. D86—10)



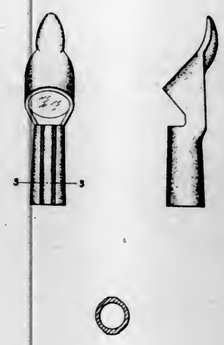
The ornamental design for a perfume container, as shown and described.

139,496
DESIGN FOR A HEAD FOR AN OTOSCOPE OR THE LIKE
Charles A. Ellis, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application September 11, 1944, Serial No. 115,254
Term of patent 14 years
(Cl. D57—1)



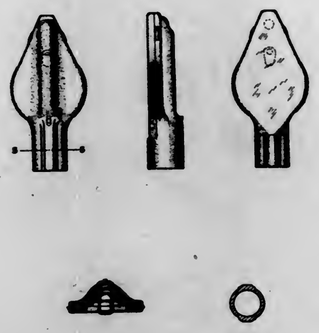
The ornamental design for a head for an otoscope or the like, substantially as shown and described.

139,497
DESIGN FOR A HEAD FOR A RETINOSCOPE OR THE LIKE
Charles A. Ellis, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application September 11, 1944, Serial No. 115,255
Term of patent 14 years
(Cl. D57—1)



The ornamental design for a head for a retinoscope or the like, substantially as shown.

139,498
DESIGN FOR A HEAD FOR AN OPHTHALMOSCOPE OR THE LIKE
Charles A. Ellis, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application September 11, 1944, Serial No. 115,258
Term of patent 14 years
(Cl. D57—1)



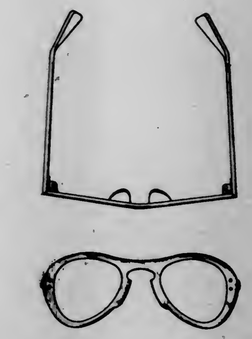
The ornamental design for a head for an ophthalmoscope or the like, substantially as shown and described.

139,499
DESIGN FOR A SHOE
Hans Henkel, Baltimore, Md., assignor to Dixon Bartlett Company, a corporation of West Virginia
Application September 26, 1944, Serial No. 115,463
Term of patent 7 years
(Cl. D7—7)



The ornamental design for a shoe, as shown.

139,500
DESIGN FOR A SPECTACLE FRAME
Vincent Salierno, Newark, N. J.
Application August 25, 1944, Serial No. 115,029
Term of patent 14 years
(Cl. D57—1)



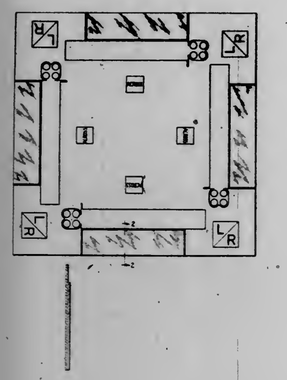
The ornamental design for a spectacle frame, as shown.

139,501
DESIGN FOR A RUBBER HEEL
Ray E. Sannar, Elyria, Ohio
Application October 5, 1944, Serial No. 115,637
Term of patent 14 years
(Cl. D7—5)



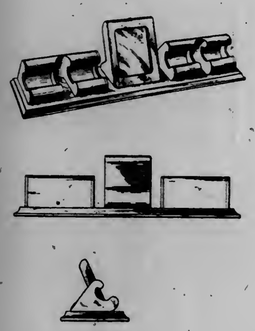
The ornamental design for a rubber heel, substantially as shown.

139,502
DESIGN FOR A GAME TABLE COVER OR THE LIKE
Samuel Edelson, New York, N. Y.
Application July 28, 1944, Serial No. 114,603
Term of patent 14 years
(Cl. D92—26)



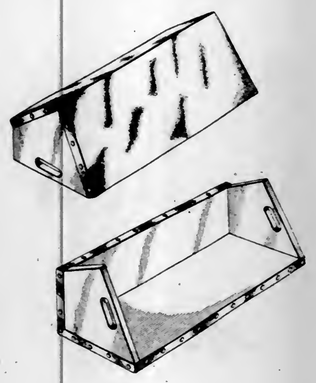
The ornamental design for a game table cover or the like, substantially as shown.

139,503
DESIGN FOR A COMBINATION DESK UNIT
Earl C. Gilman, Kansas City, Mo.
Application May 8, 1944, Serial No. 113,515
Term of patent 14 years
(Cl. D74—1)



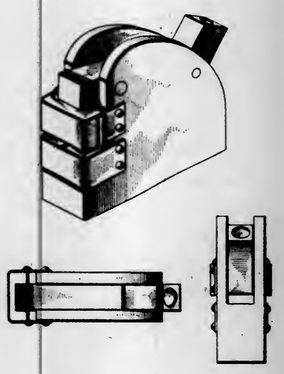
The ornamental design for a combination desk unit, as shown.

139,504
DESIGN FOR A FOOTREST
Sabra S. Sadler, Richmond, Va.
Application October 4, 1944, Serial No. 115,607
Term of patent 14 years
(Cl. D15—8)



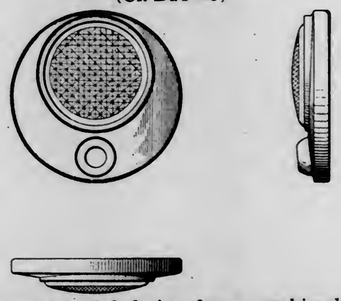
The ornamental design for a footrest, as shown.

139,505
DESIGN FOR AN ANGLE SHRINKER
Charles L. Beard, Lancaster, Pa.
Application June 6, 1944, Serial No. 113,862
Term of patent 3½ years
(Cl. D54—13)



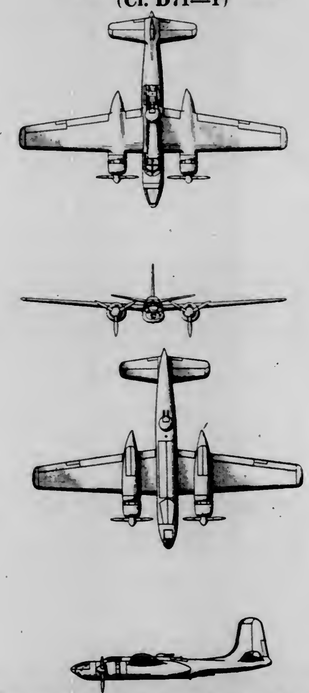
The ornamental design for an angle shrinker, as shown.

139,506
DESIGN FOR A COMBINED BACKPLATE FOR REARVIEW MIRROR AND REFLECTOR
Harry Golden, New York, N. Y.
Application June 21, 1944, Serial No. 114,109
Term of patent 7 years
(Cl. D14—6)



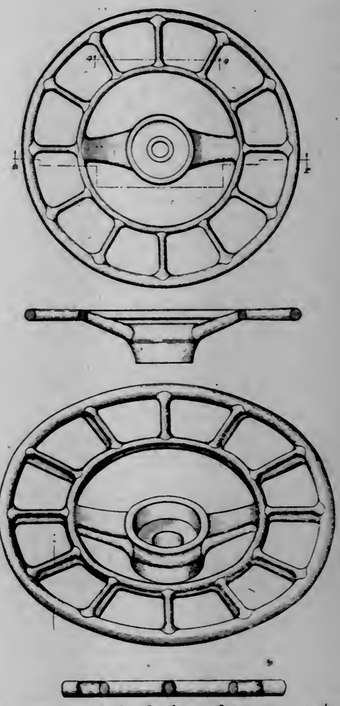
The ornamental design for a combined backplate for rearview mirror and reflector, as shown.

139,507
DESIGN FOR AN AIRPLANE
Edward H. Heinemann and Leo J. Devlin, Los Angeles, Calif., assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif.
Application November 25, 1941, Serial No. 104,329
Term of patent 7 years
(Cl. D71—1)



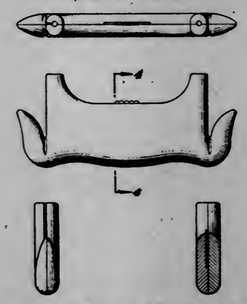
The ornamental design for an airplane, substantially as shown.

139,508
DESIGN FOR AN AUTOMOBILE STEERING WHEEL
William H. Snow, Chicago, Ill.
Application September 16, 1944, Serial No. 115,322
Term of patent 14 years
(Cl. D14—30)



The ornamental design for an automobile steering wheel, substantially as shown.

139,509
DESIGN FOR A NEEDLE THREADER
Samuel A. de Waltoff, Los Angeles, Calif.
Application September 2, 1944, Serial No. 115,167
Term of patent 7 years
(Cl. D3—19)



The ornamental design for a needle threader, as shown.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Aguilar, Luis G., Mexico City, Mexico. Rum, whiskey, brandy, and tequila. Serial No. 473,551; Nov. 21. Class 49.

Alban, Ray W., Gooding, Idaho. Artificial fishing flies. Serial No. 474,368; Nov. 21. Class 22.

Allied Stores Corporation, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash., Dey Brothers & Company, Syracuse, N. Y., and Quackenbush Company, Paterson, N. J. Living room, dining room, bedroom and kitchen furniture, etc. Serial No. 470,251; Nov. 21. Class 32.

American Bosch Corporation, Springfield, Mass. Fuel injection apparatus for internal combustion engines. Serial No. 472,134; Nov. 21. Class 23.

American Cyanamid Company, New York, N. Y. Alkylated methylol-melamines. Serial No. 473,263; Nov. 21. Class 6.

American Glossite Company, Inc., New York, N. Y. Phonograph records. Serial Nos. 474,567–8; Nov. 21. Class 36.

Ames Company, Inc., Elkhart, Ind. Reagent tablet. Serial No. 473,299; Nov. 21. Class 6.

Ames Company, Inc., Elkhart, Ind. Reagent tablet. Serial No. 473,302; Nov. 21. Class 6.

Animaker Co., Chicago, Ill. Sets of toy building blocks. Serial No. 474,437; Nov. 21. Class 22.

Appleman Art Glass Works. (See Appleman, Sarah C.)

Appleman, Sarah C., doing business as Appleman Art Glass Works, North Hackensack, N. J. Table glassware. Serial No. 471,827; Nov. 21. Class 33.

Arbogast, Fred, Akron, Ohio. Artificial fish bait. Serial No. 474,470; Nov. 21. Class 22.

Associated Knitted Outerwear Mills, Inc., New York, N. Y. Men's and boys' underwear and knitted outerwear. Serial No. 474,393; Nov. 21. Class 39.

Babson Bros. Co., Chicago, Ill. Milker units and parts thereof. Serial No. 472,726; Nov. 21. Class 23.

Baker, Martha, Burlingame, Calif. Toilet waters. Serial No. 472,545; Nov. 21. Class 6.

Barsa, Odette, New York, N. Y. Ladies' slips, panties, night gowns, etc. Serial No. 470,696; Nov. 21. Class 39.

Beacon Products Corporation, Boston, Mass. Toy banks. Serial No. 464,564; Nov. 21. Class 22.

Bon Marche. (See Allied Stores Corporation.)

Booe, Ruth Hanly, doing business as Rebecca Ruth Candy Shop, Frankfort, Ky. Candy. Serial No. 474,319; Nov. 21. Class 46.

Bracker, Joe, doing business as Bracker Vegetable Sales Co., Nogales, Ariz. Fresh vegetables. Serial No. 468,431; Nov. 21. Class 46.

Bracker Vegetable Sales Co. (See Bracker, Joe.)

Burke, W. M., doing business as Chic-A-Ree Products Co., Burlington, N. C. Preparation for the treatment of coccidiosis in poultry. Serial No. 471,146; Nov. 21. Class 6.

Burton Manufacturing Co., Chicago, Ill. Ultra-violet lamps. Serial No. 469,746; Nov. 21. Class 21.

Chic-A-Ree Products Co. (See Burke, W. M.)

Ciba Company, Inc., New York, N. Y. Dulling compound. Serial No. 472,934; Nov. 21. Class 6.

Ciba Company, Inc., New York, N. Y. Detergent and spotting compounds in liquid form. Serial No. 472,938; Nov. 21. Class 4.

Ciba Company, Inc., New York, N. Y. Detergents in powder and flake form. Serial No. 472,939; Nov. 21. Class 4.

Corn Products Refining Company, New York, N. Y. Protein material. Serial No. 469,807; Nov. 21. Class 16.

Desbergers-Bismol Laboratories, Montreal, Quebec, Canada. Dry granular food. Serial No. 462,398; Nov. 21. Class 46.

Detective Comics, Inc., New York, N. Y. Magazine. Serial No. 473,637; Nov. 21. Class 38.

Dey Brothers & Company. (See Allied Stores Corporation.)

Eagle-Picher Lead Company, The, Cincinnati, Ohio. Insulating and fireproof cement. Serial No. 472,378; Nov. 21. Class 12.

Enterprise-Moakler Company, Inc., Cambridge, Mass. Mattresses. Serial No. 472,806; Nov. 21. Class 32.

Galen Laboratories, Pittsburgh, Pa. Scalp cream, night cream, nail cream, etc. Serial No. 471,185; Nov. 21. Class 6.

General Dyestuff Corporation, New York, N. Y. Alkali soluble finishes. Serial No. 472,321; Nov. 21. Class 6.

General Refractories Company, Philadelphia, Pa. Standard and special shapes of brick and tile. Serial No. 466,273; Nov. 21. Class 12.

General Refractories Company, Philadelphia, Pa. Standard refractory brick. Serial Nos. 466,284–5; Nov. 21. Class 12.

Goodwin Preserving Co., Louisville, Ky. Fruit jam. Serial No. 469,121; Nov. 21. Class 46.

Gospel Trumpet Company, Anderson, Ind. Weekly religious publication. Serial No. 473,184; Nov. 21. Class 38.

Guardian Leather & Novelty Co., New York, N. Y. Wallets, dressing cases, change purses, etc. Serial No. 472,198; Nov. 21. Class 3.

Guerlain Perfumery Corporation of Delaware, Wilmington, Del., and New York, N. Y. Perfumes and toilet water. Serial No. 473,370; Nov. 21. Class 6.

Guerlain Perfumery Corporation of Delaware, Wilmington, Del., and New York, N. Y. Perfumes and toilet water. Serial No. 473,374; Nov. 21. Class 6.

Guerlain Perfumery Corporation of Delaware, Wilmington, Del., and New York, N. Y. Perfumes and toilet water. Serial No. 473,379; Nov. 21. Class 6.

Haskell, Charles C., & Co., Inc., Richmond, Va. Medicinal preparation containing aluminum hydroxide, magnesium trisilicate and reduced iron. Serial No. 473,280; Nov. 21. Class 6.

Hearst Corporation, The, New York, N. Y. Newspaper section or department. Serial No. 469,769; Nov. 21. Class 38.

Hewitt Soap Company, Inc., The, Dayton, Ohio. Soap. Serial No. 461,438; Nov. 21. Class 4.

Hudnut, Richard, New York, N. Y. Pamphlets comprising a course of exercises and beauty treatments. Serial No. 473,779; Nov. 21. Class 38.

Hygrade Printing & Stationery Co. Inc., New York, N. Y. Writing paper, envelopes, manifold books, etc. Serial No. 469,435; Nov. 21. Class 37.

Industrial Rayon Corporation, Cleveland, Ohio. Rayon yarn. Serial No. 473,855; Nov. 21. Class 43.

Irresistible, Inc., Jersey City, N. J. Lipstick, cold cream, vanishing cream, etc. Serial No. 465,922; Nov. 21. Class 6.

Ivers-Lee Company, Newark, N. J. Merchandise envelopes. Serial No. 463,732; Nov. 21. Class 2.

John-Frederics, doing business as John Frederics, New York, N. Y. Ladies' handbags. Serial No. 473,029; Nov. 21. Class 3.

Judy Publishing Company, Chicago, Ill. Monthly publication. Serial No. 472,814; Nov. 21. Class 38.

Kasson, David M., doing business as David M. Kasson & Company, New York, N. Y. Bakery products. Serial No. 474,588; Nov. 21. Class 46.

Kasson, David M., & Company. (See Kasson, David M.)

Kensington Steel Company, Chicago, Ill. Gears, pinions, mixer arms, etc. Serial No. 471,480; Nov. 21. Class 23.

King Diamond Cutters. (See Koenig, Aaron, assignor.)

Kiriakos, Anna, Detroit, Mich. Soap. Serial No. 472,700; Nov. 21. Class 4.

Koenig, Aaron, assignor to The King Diamond Cutters, New York, N. Y. Cut diamonds. Serial No. 473,859; Nov. 21. Class 28.

Lane Tobacco, Ltd., New York, N. Y. Pipes, pipe cases, pipe stands, etc. Serial Nos. 469,081–2; Nov. 21. Class 8.

Lane Tobacco, Ltd., New York, N. Y. Pipes, pipe cases, pipe stands, etc. Serial No. 469,084; Nov. 21. Class 8.

Lane Tobacco, Ltd., New York, N. Y. Cigarettes, cigars, snuff tobacco, etc. Serial No. 469,085; Nov. 21. Class 17.

La Resista Corset Company, The, Bridgeport, Conn. Ladies' corsets, corselets, girdles, and combination foundation under-garments. Serial No. 471,315; Nov. 21. Class 39.

Lawrence, W. W.; and Company, Pittsburgh, Pa. Paints, paint enamels, varnishes, etc. Serial No. 472,148; Nov. 21. Class 16.

Lederle Laboratories, Inc., New York, N. Y. Gelatin tablets consisting of gelatin emulsion of various drugs, etc. Serial No. 471,929; Nov. 21. Class 6.

Lee Industries. (See Ornstein, Lee.)

Lincoln Electric Company, The, Cleveland, Ohio. Welding machines, welding heads, motors, etc. Serial No. 470,534; Nov. 21. Class 21.

Lubin-Weeker Co., Inc., New York, N. Y. Pajamas. Serial No. 466,201; Nov. 21. Class 39.

McBrady, Robert H., doing business as Ro-Jo Curio Co., Chicago, Ill. Perfume, sachet powder, skin cream, etc. Serial No. 467,039; Nov. 21. Class 6.

McCoy, Jones & Company, Inc., Chicago, Ill. Cotton binding tape. Serial No. 474,492; Nov. 21. Class 40.

Medicated Products Company, Chicago, Ill. Brushless shaving cream. Serial No. 471,810; Nov. 21. Class 4.

Merrit Distributors. (See National Toilet Company.)

Microstat Corporation, New York, N. Y. Photographic prints and photographic enlargements. Serial No. 474,041; Nov. 21. Class 38.

Mixermobile Manufacturers, Portland, Oreg. Power driven earth moving apparatus. Serial No. 472,076; Nov. 21. Class 23.

Nate, Jean, Inc., New York, N. Y. Perfumes and toilet waters. Serial No. 472,961; Nov. 21. Class 6.

National Mattress Company, Huntington, W. Va. Mattresses and box springs. Serial No. 473,829; Nov. 21. Class 32.
National Toilet Company, doing business as Merrit Distributors, Paris, Tenn. Soap. Serial No. 473,510; Nov. 21. Class 4.
Nipa, Inc., New York, N. Y. Perfumes. Serial No. 467,669; Nov. 21. Class 6.
Northrop Aircraft, Inc., Hawthorne, Calif. Airplanes. Serial No. 470,001; Nov. 21. Class 19.
Ornstein, Lee, doing business as Lee Industries, Chicago, Ill. Talking-boards. Serial No. 474,734; Nov. 21. Class 22.
Pacific Wines, Los Angeles, Calif. Wines. Serial No. 474,350; Nov. 21. Class 47.
Packing Products Company, New York, N. Y. Expanded steel metal lath, finished steel beams and reinforcing steel bars. Serial No. 471,618; Nov. 21. Class 12.
Paramount Children Dress Co., New York, N. Y. Textile fabrics. Serial No. 473,953; Nov. 21. Class 42.
Parkland Sportswear Co. Inc., Dallas, Tex. Women's sportswear. Serial No. 473,328; Nov. 21. Class 39.
Patent Button Company, The, Waterbury, Conn. Metal (non-precious) and plastic buttons. Serial No. 474,461; Nov. 21. Class 40.
Pattreiouex, J. A., (Overseas) Limited, London, England. Manufactured tobacco. Serial No. 472,051; Nov. 21. Class 17.
Paulhamus, Dwight, San Francisco, Calif. Canned fruits and vegetables, frozen fresh fruits and vegetables, and jams. Serial No. 474,637; Nov. 21. Class 46.
Plastic Manufacturers, Incorporated, Stamford, Conn. Aircraft gun turret and firing control grips. Serial No. 474,207; Nov. 21. Class 9.
Priess, John L., Chicago, Ill. Dry perfume. Serial No. 473,258; Nov. 21. Class 6.
Purity Products, Chicago, Ill. Periodicals. Serial No. 472,256; Nov. 21. Class 38.
Quackenbush Company. (See Allied Stores Corporation.)
Quaker Chemical Products Corporation, Conshohocken, Pa. Cleaning, cleansing, and wetting materials. Serial No. 473,706; Nov. 21. Class 4.
Rand Rubber Company, Brooklyn, N. Y. Dress shields. Serial No. 471,100; Nov. 21. Class 40.
Raterman, William F., Chicago, Ill. Printed blank forms. Serial No. 456,752; Nov. 21. Class 37.
Reichhold Chemicals, Inc., Detroit, Mich. Synthetic plastic resins and solutions. Serial No. 472,907; Nov. 21. Class 5.
Remington Arms Company, Inc., Bridgeport, Conn. Firearms. Serial Nos. 473,960–4; Nov. 21. Class 9.
Remington Rand Inc., Buffalo, N. Y. Electron discharge devices. Serial No. 472,715; Nov. 21. Class 21.
Ro-Jo Curio Co. (See McBrady, Robert H.)
Roxalin Flexible Finishes, Inc., Elizabeth, N. J. Natural and synthetic resinous and cellulosic adhesive compounds, emulsions and solutions. Serial No. 473,398; Nov. 21. Class 5.
Ruth, Rebecca, Candy Shop. (See Booe, Ruth H.)
Sciafani, D. & A., New York, N. Y. Canned vegetables. Serial No. 474,609; Nov. 21. Class 46.
Simplex Products Corporation, Cleveland, Ohio. Metallic piston rings and expanders therefor. Serial No. 471,541; Nov. 21. Class 35.
Smit, J. K., & Sons, Inc., New York, N. Y. Diamond abrasive wheels. Serial No. 473,130; Nov. 21. Class 4.
Smith, Alfred B., Wheaton, Ill. Series of hymnals. Serial No. 474,059; Nov. 21. Class 38.
Smoke Mount Industries, Inc., Asheville, N. C. Ladies', juniors' and children's wearing apparel. Serial No. 471,642; Nov. 21. Class 39.
Spindle City Machine Company, Fall River, Mass. Metal turning lathes. Serial No. 473,648; Nov. 21. Class 23.
Star Kay White, New York, N. Y. Pastes and syrups. Serial No. 474,102; Nov. 21. Class 46.
Submarine Signal Company, Boston, Mass. Electrical apparatus for measuring distance and determining direction. Serial No. 474,466; Nov. 21. Class 26.
Suprasol Limited, Toronto, Ontario, Canada. Soapless cleansers. Serial No. 473,790; Nov. 21. Class 4.
Transamerica Wine Corp., New York, N. Y. Wines. Serial No. 467,324; Nov. 21. Class 47.
Ulmann, Bernhard, Co. Inc., New York, N. Y. Art needlework foundation material. Serial No. 473,519; Nov. 21. Class 40.
Viewtone Company, New York, N. Y. Electronic test equipment. Serial No. 471,824; Nov. 21. Class 26.
Vita-Var Corporation, Newark, N. J. Cleaning and polishing preparation. Serial No. 472,599; Nov. 21. Class 4.
V-Line Clothes Company, Philadelphia, Pa. Men's clothing. Serial No. 473,683; Nov. 21. Class 39.
Whellkin Coat Company, Inc., New York, N. Y. Suits, coats, and sport coats for ladies and misses. Serial No. 474,147; Nov. 21. Class 39.
White Laboratories, Inc., Newark, N. J. Preparation for the treatment of iron-deficiency anemias. Serial No. 473,003; Nov. 21. Class 6.
Wilmington Hosiery Mills, Inc., Wilmington, Del. Hosiery. Serial No. 474,256; Nov. 21. Class 39.

LIST OF REGISTRANTS OF TRADE-MARKS

Acme Chemical Company, Milwaukee, Wis. Combined chemical cleanser and soap in powdered form. 410,282; Nov. 21; Serial No. 463,860; published Sept. 5, 1944. Class 4.
Aktiebolaget Yvy-Fabriken, Ystad, Sweden. Knife polish, shaving soap, soft soap, etc. 191,506; renewed Nov. 11, 1944.
Allied Steel Products, Inc., Cleveland, Ohio. Tractor rail plates. 410,411; Nov. 21. Class 23.
Alo-Cresco Products. (See Weidman, Richard J.)
American Cereal Company, The, Akron and Ravenna, Ohio, Chicago, Ill., and Cedar Rapids, Iowa, assignor to The Quaker Oats Company, Chicago, Ill. Flour and other certain named cereal foods. 26,252–4; re-renewed Mar. 19, 1945.
American Cyanamid & Chemical Corporation. (See Klipstein, A., and Company, assignor.)
American Lecithin Company, Cleveland, Ohio, and Elmhurst, Long Island, N. Y. Lecithin and associated phosphatides with an edible carrier. 410,327; Nov. 21; Serial No. 470,364; published Sept. 12, 1944. Class 46.
American Tin Plate Company, The, Elwood, Ind., to Carnegie-Illinois Steel Corporation, Pittsburgh, Pa., successor. Tin plates, terne plates, and similar goods. 26,168–9; re-renewed Mar. 5, 1945.
Ampco Metal, Inc., Milwaukee, Wis. Wrought bronze shapes, forgings, ingots, etc. 410,301; Nov. 21; Serial No. 467,177; published Sept. 5, 1944. Class 14.
Anchor Plastics Company. (See Fisch, Richard A.)
Arlington Chemical Company, The, Yonkers, N. Y. Pharmaceutical preparation of copper and iron combined with protein. 410,307; Nov. 21; Serial No. 468,428; published Aug. 29, 1944. Class 6.
Arnel Products. (See Nelligan, Arthur J.)
Atkins, Samuel E., doing business as Trupes Drug Co., Springfield, Ohio. Composition for treating leucorrhea. 410,420; Nov. 21. Class 6.
Atlantic Rubber Manufacturing Corporation, New York, N. Y. Dental rubber. 194,252; renewed Jan. 20, 1945.
Atlantic Supply Company, The, Baltimore, Md. Feeds and feed supplements for livestock and poultry. 410,285; Nov. 21; Serial No. 464,934; Sept. 12, 1944. Class 46.
Atlas Color & Chemical Co. (See Collins, P. Joseph.)
Aufhauser Brothers Company, The, Troy, Ohio. Inhaler device and refills therefor. 410,386; Nov. 21. Class 6.
Auto Truck Equipment Company, Pittsburgh, Pa. Cabs, trucks, vans, etc. 195,833; renewed Mar. 3, 1945.
Bacon-Scott Company, Inc. (See Scott, Rufus W., Company, assignor.)
Bailey, Prihoda & Co., Kalamazoo, Mich. Fur cleaner. 410,416; Nov. 21. Class 4.
Baldwin, J. & J., Halifax, England, assignor, by mesne assignments, to Patons & Baldwins, Inc., Newark, N. J. Yarns. 25,625; re-renewed Dec. 11, 1944.
Baldwin, J. & J., Halifax, England, assignor, by mesne assignments, to Patons & Baldwins, Inc., Newark, N. J. Yarns. 25,668–9; re-renewed Dec. 18, 1944.
Baldwin, J. & J., Halifax, England, assignor, by mesne assignments, to Patons & Baldwins, Inc., Newark, N. J. Yarns. 25,674; re-renewed Dec. 18, 1944.
Bates Manufacturing Company, Lewiston, Maine. Bedspreads and draperies. 410,273; Nov. 21; Serial No. 456,171; published Sept. 12, 1944. Class 42.
Beck, William and Charles, Inc., Lawrence, Mass. Linen fire hose. 193,402; renewed Dec. 30, 1944.
Begley, George, Jr., doing business as Parfum Dalmora, Chicago, Ill. Perfume and cologne. 410,319; Nov. 21; Serial No. 469,717; published Aug. 29, 1944. Class 6.
Berliner, Edwin E., & Co., New York, N. Y. Woven piece goods, 410,311; Nov. 21; Serial No. 468,774; published Aug. 22, 1944. Class 42.
Blue Wave, The. (See Fletcher, Sarah S.)
Blum Folding Paper Box Co., Inc., New York, N. Y. Card board for collapsible boxes. 410,421; Nov. 21. Class 37.
Blum, Theodore, doing business as Nu-Style, New York, N. Y. Misses' and junior misses' coats and suits. 410,372; Nov. 21; Serial No. 471,730; published Sept. 12, 1944. Class 39.
Bond Foundry and Machine Company, Manheim, to Bond Foundry & Machine Company, Philadelphia, Pa. Truck casters. 196,094; renewed Mar. 10, 1945.
Bonide Chemical Company, The. (See Smith, Harry J., assignor.)
Bovinine Company, The, Jersey City, N. J. Medicinal vitamin preparations. 410,271; Nov. 21; Serial No. 451,335; published Apr. 14, 1942. Class 6.
Bowman Dairy Company, Chicago, Ill. Combination of dried whey, wheat flour, and lecithin. 410,405; Nov. 21. Class 46.
Bradley, William T., Morehead, Ky. Medicine for the treatment of piles. 410,337; Nov. 21; Serial No. 470,554; published Aug. 29, 1944. Class 6.

Brecht Candy Company, Denver, Colo. Candy. 196,486; renewed Mar. 17, 1945.
Brenner, Wm., Furniture Corp., The, Cincinnati, Ohio. Upholstered chairs and davenports. 410,426; Nov. 21. Class 32.
Brody Mfg. Co., Not Inc., Chicago, Ill. Bibs, baby pants, infant's bands. 410,315; Nov. 21; Serial No. 469,493; published Sept. 12, 1944. Class 39.
Buttons Limited. (See Carlyle, John Mark.)
Buttons Limited. (See Carlyle, Thomas.)
Calhoun, Vernon, New York, N. Y. Bandages. 410,431; Nov. 21. Class 44.
Callaway Mills, La Grange, Ga. Bath rugs, mats, and seat covers. 410,348; Nov. 21; Serial No. 470,846; published Aug. 15, 1944. Class 42.
Cantor Greenspan Co., Inc., New York, N. Y. Spun rayon cloth. 410,352–3; Nov. 21; Serial Nos. 470,960–1; published Aug. 22, 1944. Class 42.
Carlyle, Thomas, and John Mark Carlyle, to Buttons Limited, Birmingham, England, successor. Buttons, buckles, clasps, etc. 25,508; re-renewed Nov. 13, 1944.
Carnegie-Illinois Steel Corporation. (See American Tin Plate Company, The.)
Carpenter Steel Company, The, Reading, Pa. Steel in the form of wire, strips, bars, billets, and shapes. 410,397; Nov. 21. Class 14.
Carter, Ralph B., Company, New York, N. Y. Pumps of all kinds and parts thereof, internal-combustion engines and parts thereof. 195,714; renewed Mar. 3, 1945.
Caterpillar Tractor Co. (See Holt Manufacturing Company, assignor.)
Cato Perfumers. (See Page & Dixon Drug Co., Inc.)
Cello Products Incorporated, New York, N. Y., assignor, by mesne assignments, to E. I. du Pont de Nemours and Company, Wilmington, Del. Waterproofing and salt-forming materials. 191,500; renewed Nov. 11, 1944.
Chemicals, Inc., also doing business as So Clean Products, Oakland and San Francisco, Calif. Household bleach. 410,418; Nov. 21. Class 6.
Chicago Bridge & Iron Company. (See Chicago Bridge & Iron Works, assignor.)
Chicago Bridge & Iron Works, assignor to Chicago Bridge & Iron Company, Chicago, Ill. Storage tanks. 191,132; renewed Nov. 4, 1944.
Clark, Fred G., Company, The, Cleveland, Ohio, assignor, by mesne assignments, to Sinclair Refining Company, New York, N. Y. Lubricating oils and greases. 190,702; renewed Oct. 21, 1944.
Clark, W. D., Laboratories. (See Clark, Waldo D.)
Clark, Waldo D., doing business as W. D. Clark Laboratories, Los Angeles, Calif. Ear molds. 410,374; Nov. 21; Serial No. 471,896; published Sept. 12, 1944. Class 44.
Cohn-Hall-Marx Co., New York, N. Y. Piece goods of cotton, rayon, etc. 410,310; Nov. 21; Serial No. 468,556; published Aug. 8, 1944. Class 42.
Cohn-Hall-Marx Co., New York, N. Y. Piece goods. 410,359; Nov. 21; Serial No. 471,072; published Sept. 12, 1944. Class 42.
Collins, P. Joseph, doing business as Atlas Color & Chemical Co., Boston, Mass. Reducing agents for chrome in a dye bath. 410,296; Nov. 21; Serial No. 465,649; published Aug. 29, 1944. Class 6.
Colloidal Laboratories, assignor to Mycoloid Laboratories, Inc., Little Falls, N. J. Therapeutic powder, solution, lotion and ointment. 410,284; Nov. 21; Serial No. 464,409; published Aug. 29, 1944. Class 6.
Colourdex Control Limited. (See Glenny & Blew, assignor.)
Columbus Coated Fabrics Corporation. (See Columbus-Union Oil Cloth Co., The.)
Columbus-Union Oil Cloth Co., The, Columbus, Ohio, by change of name to Columbus Coated Fabrics Corporation. Oiled cloth. 196,264–5; renewed Mar. 17, 1945.
Columbus-Union Oil Cloth Co., The, Columbus, Ohio, by change of name to Columbus Coated Fabrics Corporation. Oiled cloth. 196,428; renewed Mar. 17, 1945.
Compania des Destilerias Internationales, Inc., Bayamon, P. R. Whiskey. 410,394; Nov. 21. Class 49.
Creative Chemical Company. (See Williams, Edward R.)
Dairy Remedies Co. (See Sayre, Dudley O.)
Darling Valve & Manufacturing Company, Williamsport, Pa. Gate valves and fire hydrants. 196,604; renewed Mar. 24, 1945.
Dedek, Frank, doing business as Dedek's Laboratory, Chicago, Ill. Balm for treatment of coughs, colds, etc. 410,410; Nov. 21. Class 6.
Dedek's Laboratory. (See Dedek, Frank.)
De Ybarra, Hijos, assignor to Hijos de Ybarra, S. en C., Seville, Spain. Olive oil. 178,383; renewed Jan. 8, 1944.
De Ybarra, Hijos, S. en C. (See de Ybarra, Hijos, assignor.)
Dicalite Company, The, Los Angeles, Calif. Compositions for dehumidifying air and other gases. 410,399; Nov. 21. Class 6.
Disston, Henry, & Sons, Incorporated, Philadelphia, Pa. Saws, saw handles, inserted saw teeth, etc. 195,100; renewed Feb. 17, 1945.
Distribution and Warehousing Publications, Inc., New York, N. Y. Section of a periodical and a periodical publication. 410,391; Nov. 21. Class 38.
Dixie Paper Shell Pecan Exchange Inc. (See Dixie Pecan Growers Exchange, Inc., assignor.)
Dixie Pecan Growers Exchange, Inc., assignor to Dixie Paper Shell Pecan Exchange Inc., Barnesville, Ga. Shelled and unshelled pecans. 195,490; renewed Feb. 24, 1944.
Doak Company, The, Cleveland, Ohio. Dermatological preparation. 410,317; Nov. 21; Serial No. 469,592; published Sept. 5, 1944. Class 6.
Dodwell & Co. Ltd., San Francisco and Los Angeles, Calif., London, England, Hongkong, Canton, Chungking, Foochow, Shanghai, Hankow, China, Yokohama, Kobe, Japan, Colombo, Ceylon, Antwerp, Belgium, New York, N. Y., Seattle, Wash., Vancouver, British Columbia, and Habana, Cuba, to Dodwell & Co., Ltd., San Francisco and Los Angeles, Calif., London, England, Seattle, Wash., Vancouver, British Columbia, Calcutta, India, Colombo, Ceylon, Sydney, Australia, Johannesburg and Capetown, South Africa, Tokyo, Kobe, Yokohama and Nagoya, Japan, Hongkong, Chungking, Shanghai, Hankow, Foochow, and Canton, China, and Rangoon, Burma. Canned fruits, canned fish, cocoanut, etc. 196,852; renewed Mar. 31, 1944.
Dome Chemicals Incorporated, New York, N. Y. Water soluble greaseless bases. 410,321; Nov. 21; Serial No. 469,808; published Aug. 29, 1944. Class 6.
Dunbar, Ernest Alexander, doing business as Dunbar & Nairn, Glasgow, Scotland. Wool, cotton, silk, etc., in the piece. 410,272; Nov. 21; Serial No. 455,426; published Aug. 22, 1944. Class 42.
Dunbar & Nairn. (See Dunbar, Ernest A.)
Duplan Corporation, The. (See Duplan Silk Corporation.)
Duplan Silk Corporation, New York, N. Y., by change of name to The Duplan Corporation. Silk piece goods. 191,172; renewed Nov. 4, 1944.
Du Pont, E. I., de Nemours and Company. (See Cello Products Incorporated, assignor.)
E & L Company, Los Angeles, Calif. Fresh vegetables and melons. 410,274; Nov. 21; Serial No. 457,605; published Sept. 12, 1944. Class 46.
Ecusta Paper Corporation, Pisgah Forest, N. C. Air mail writing paper. 410,340; Nov. 21; Serial No. 470,712; published Sept. 12, 1944. Class 37.
Esmond Mills, Inc., The, Village of Esmond, Smithfield, R. I. Textile fabrics in the piece. 410,322; Nov. 21; Serial No. 469,894; published Aug. 1, 1944. Class 42.
Fairbanks, Morse & Co., Chicago, Ill. Locomotive standpipes and spouts. 410,406; Nov. 21. Class 23.
Fairchild Advertising, Inc., New York, N. Y. Magazine section. 410,390; Nov. 21. Class 38.
Firefly Extinguishers, Kansas City, Mo. Fire extinguishers comprising frangible receptacles having a filling of fire extinguishing material. 410,323; Nov. 21; Serial No. 470,021; published Aug. 22, 1944. Class 6.
Fisch, Richard A., doing business as Anchor Plastics Company, New York, N. Y. Tubes, rods, and sheets. 410,308; Nov. 21; Serial No. 468,485; published Sept. 12, 1944. Class 1.
Fletcher, Sarah S., doing business as The Blue Wave, assignor to Norman K. Wiggin and Anne B. Wiggin, doing business as The Blue Wave, Kennebunk, Maine. Ceramic vases and table ware. 410,283; Nov. 21; Serial No. 463,996; published Sept. 12, 1944. Class 30.
Florida Chemical Industries, Inc., Sparr, Fla. Product for the treatment of screwworm infections. 410,325; Nov. 21; Serial No. 470,334; published Sept. 5, 1944. Class 6.
Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 410,345–6; Nov. 21; Serial Nos. 470,814–15; published Aug. 8, 1944. Class 42.
Foster-McClellan Co., Buffalo, N. Y., and Paris, France, assignor to Henry Oliver Smith, Jr., Buffalo, N. Y. Cathartic pills. 192,163; renewed Nov. 25, 1944.
Fougera, E., & Co., Inc. (See Lafay, Laurent, assignor.)
Friedman, Abe A., Augusta, Ga. Watches. 410,407; Nov. 21. Class 27.
Friedman, Abe A., Augusta, Ga. Watches. 410,413; Nov. 21. Class 27.
Gallowhur Chemical Corporation, Windsor, Vt. Composition for preventing fogging of glasses, windows, windshields, and like materials. 410,286; Nov. 21; Serial No. 465,359; published Sept. 12, 1944. Class 4.
Geidel Canneries, Inc., Adell, Wis. Canned vegetables. 410,320; Nov. 21; Serial No. 469,758; published Sept. 12, 1944. Class 46.
General Motors Corporation. (See Guide Motor Lamps Manufacturing Company, The, assignor.)
General Motors Corporation. (See Harrison Radiator Corporation, assignor.)
General Motors Corporation. (See Packard Electric Company, The, assignor.)
Glebeas Importation Co., assignor to Glebeas Importation Co. Inc., New York, N. Y. Face powders, face creams, perfumes, etc. 190,273; renewed Oct. 7, 1944.
Glebeas Importation Co. Inc. (See Glebeas Importation Co., assignor.)
Glenny & Blew, assignor to Colourdex Control Limited, London, England. Apparatus for indexing, indicating, and recording. 196,116; renewed Mar. 10, 1945.
Golden Nugget Sweets, assignor to Golden Nugget Sweets Ltd., San Francisco, Calif. Candy and confectionery. 190,336; renewed Oct. 14, 1944.

Golden Nugget Sweets Ltd. (See Golden Nugget Sweets, assignor.)
Gradiaz, Annis & Co. Inc., Tampa, Fla. Cigars. 410,402; Nov. 21. Class 17.
Grapho-Detector Corporation of America, The, New York, N. Y. Chemicals for detecting alterations in documents. 410,425; Nov. 21. Class 6.
Greenfield Tap and Die Corporation, Greenfield, Mass. Internal-grinding machines. 191,946; renewed Nov. 25, 1944.
Greenspan, Cantor, Co., Inc., New York, N. Y. Spun rayon cloth. 410,351; Nov. 21; Serial No. 470,959; published Aug. 15, 1944. Class 42.
Grennan Bakeries, Inc. (See Grennan Cake Corporation.)
Grennan Bakeries, Incorporated. (See Grennan Cake Corporation.)
Grennan Cake Corporation, Detroit, Mich., now by change of name to Grennan Bakeries, Incorporated, to Grennan Bakeries, Inc., Chicago, Ill. Cakes, cookies, fried cakes, etc. 196,500; renewed Mar. 17, 1945.
Guide Motor Lamps Manufacturing Company, The, Cleveland, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Electric lamps for automobiles and motor vehicles of all kinds. 194,519; renewed Jan. 27, 1945.
Gusler, L. G., doing business under the name Gusler Products Co., Fort Sumner, N. Mex. Hand cleaner. 410,313; Nov. 21; Serial No. 469,256; published Sept. 12, 1944. Class 4.
Gusler Products Co. (See Gusler, L. G.)
Hagopian, Haroutun, doing business as La Salle Chemical Products Co., Detroit, Mich. Cleaning and polishing composition. 410,368; Nov. 21; Serial No. 471,604; published Sept. 12, 1944. Class 4.
Haire Publishing Company, New York, N. Y. Section of a periodical. 410,424; Nov. 21. Class 38.
Hakkak, M. N., & Co., New York, N. Y. Cigaret paper booklets. 410,300; Nov. 21; Serial No. 466,732; published Sept. 12, 1944. Class 8.
Hall Van Gorder Company, The, Cleveland, Ohio, assignor, by mesne assignments, to Sterling Drug Inc., Wilmington, Del. Tooth paste. 196,426; renewed Mar. 17, 1945.
Harrison, Monroe, Chicago, Ill. Nonalcoholic, maltless, soft drinks and syrups and concentrates for making same. 410,427; Nov. 21. Class 45.
Harrison Radiator Corporation, Lockport, N. Y., assignor to General Motors Corporation, Detroit, Mich. Automobile radiators. 194,357; renewed Jan. 20, 1945.
Hart Products Corporation, New York, N. Y. Soluble oils, sizings, penetrants, etc. 410,287; Nov. 21; Serial No. 465,428; published Aug. 29, 1944. Class 6.
Hawley & Hoops, to Hawley & Hoops, New York, N. Y., successor. Candy. 196,794; renewed Mar. 31, 1945.
Hawley & Hoops, to Hawley & Hoops, New York, N. Y., successor. Candy. 196,873; renewed Mar. 31, 1945.
Hego Fabrics, Inc., New York, N. Y. Piece goods. 410,342; Nov. 21; Serial No. 470,764; published Aug. 8, 1944. Class 42.
Hego Fabrics, Inc., New York, N. Y. Piece goods. 410,343; Nov. 21; Serial No. 470,768; published Aug. 8, 1944. Class 42.
Hervey Manufacturing Co., New York, N. Y. Perfumes, perfume bags, and perfume sachets. 410,400; Nov. 21. Class 6.
Hillsboro Hosiery Mills, Inc., Hillsboro, N. H. Hosiery and underwear. 410,316; Nov. 21; Serial No. 469,499; published Sept. 12, 1944. Class 39.
Hit Parade, Inc., New York, N. Y. Cases and bags. 410,367; Nov. 21; Serial No. 471,555; published Sept. 12, 1944. Class 2.
Hlavaty, Rudolf F., Cicero, Ill. Coated fabrics. 410,312; Nov. 21; Serial No. 469,157; published Sept. 12, 1944. Class 12.
Hobée Cie, Ltd., New York, N. Y. Bracelets, brooch pins, lapel pins, etc. 410,430; Nov. 21. Class 28.
Hoffman Radio Corporation, Los Angeles, Calif. Radio receiving apparatus and parts thereof. 410,422; Nov. 21. Class 21.
Holden, David M., Philadelphia, Pa. Rheumatic medicine. 410,349; Nov. 21; Serial No. 470,885; published Sept. 5, 1944. Class 6.
Holland, Inez, House, New York, N. Y. Flying rings, suspended swings, horizontal bars, etc. 410,369; Nov. 21; Serial No. 471,607; published Sept. 12, 1944. Class 22.
Holt Manufacturing Company, The, Stockton, assignor to Caterpillar Tractor Co., San Leandro, Calif. Railway locomotives. 190,950; renewed Oct. 28, 1944.
Horvath, Charles V., Company. (See Horvath, Charles V.)
Horvath, Charles V., doing business as Vincent Chemical Company and Charles V. Horvath Company, South Bend, Ind. Permanent wave solution. 410,417; Nov. 21. Class 6.
Hotel and Restaurant Employees' International Alliance and Bartenders' International League of America, Cincinnati, Ohio. Blank forms. 410,275–8; Nov. 21; Serial Nos. 460,048–51; published Sept. 12, 1944. Class 37.
Hotel and Restaurant Employees' International Alliance and Bartenders' International League of America, Cincinnati, Ohio. Blank forms. 410,279; Nov. 21; Serial No. 460,301; published Sept. 12, 1944. Class 37.
Houles, Louis D., Dallas, Tex. Baking ovens, machinery and equipment. 410,305; Nov. 21; Serial No. 468,201; published Sept. 12, 1944. Class 34.
House of La Cara, The, Bay City, Mich. Liquid face powder. 410,396; Nov. 21. Class 6.
Howe, Charles H., doing business as Modern Foods Alliance, Los Angeles, Calif. Food seasoning. 410,376; Nov. 21; Serial No. 472,066; published Sept. 12, 1944. Class 46.
Hudnut, Richard, New York, N. Y. Skin and tissue cream, talc, face powder, etc. 195,731; renewed Mar. 3, 1945.
Industrial Undergarment Corp., New York and Poughkeepsie, N. Y. Ladies' and misses' slips. 410,292; Nov. 21; Serial No. 465,627; published Sept. 5, 1944. Class 39.
Infilco Incorporated, Chicago, Ill. Filters, filter distributors, filter underdrains, etc. 410,350; Nov. 21; Serial No. 470,886; published Sept. 12, 1944. Class 31.
International Nickel Company, Inc., The, New York N. Y. Coated and uncoated welding rods. 410,329; Nov. 21; Serial No. 470,453; published Sept. 5, 1944. Class 14.
International Union, United Automobile, Aircraft and Agricultural Implement Workers of America, Affiliated with the Congress of Industrial Oragnizations, Detroit, Mich. Motor vehicle bodies and structural parts thereof, airplanes and structural parts thereof. 410,303; Nov. 21; Serial No. 467,890; published Sept. 12, 1944. Class 19.
Jarvinen, Vilho O., New York, N. Y. Cheese. 410,384; Nov. 21. Class 46.
Karoff, Robert B., Creations, Inc., New York, N. Y. Perfume and cologne. 410,344; Nov. 21; Serial No. 470,769; published Aug. 29, 1944. Class 6.
Kayser, Julius & Co., New York, N. Y. Fabric and piece goods. 194,330; renewed Jan. 20, 1945.
Keeley Company. (See Keeley, Marie O.)
Keeley, Marie O., doing business as Keeley Company, Monson, Mass. Tablets for the relief of pain. 410,414; Nov. 21. Class 6.
Kehoe Preserving Co., Clay City, to Kehoe Preserving Co., Terre Haute, Ind. Mint sauce. 193,051; renewed Dec. 16, 1944.
Kempair Products Co., Brooklyn, N. Y. Natural and dyed animal fibers. 410,363; Nov. 21; Serial No. 471,313; published Sept. 12, 1944. Class 1.
Kildall Fish Co., Minneapolis, Minn. Banquet spiced herring. 410,387; Nov. 21. Class 46.
Klein, L., Inc., Chicago, Ill. Leather, rubber, and fabric shoes. 195,802; renewed Mar. 3, 1945.
Klipstein, A., and Company, Woodbridge, N. J., and New York, N. Y., assignor, by mesne assignments, to American Cyanamid & Chemical Corporation. Soluble sulphonated oil. 192,050; renewed Nov. 25, 1944.
Kress, S. H., and Company, New York, N. Y. Talcum powder, after shave lotion, and shampoo. 410,392; Nov. 21. Class 6.
Lafay, Laurent, Paris, France, assignor, by mesne assignments, to E. Fougera & Co., Inc., New York, N. Y. Medicinal preparation for scrofula, lymphatism, adenoids, etc. 196,499; renewed Mar. 17, 1945.
Landsberger, S. W., Chemical Works, Inc., New York, N. Y. Detergents and cleansing compounds. 410,361; Nov. 21; Serial No. 471,156; published Sept. 5, 1944. Class 4.
Langrock, D. T., Inc., to David T. Langrock, New Haven, Conn., successor. Men's sack coats, cutaway coats, full-dress suits, etc. 190,197; renewed Oct. 7, 1944.
Langrock, David T. (See Langrock, D. T., Inc.)
La Salle Chemical Products Co. (See Hagopian, Haroutun.)
Lederle Laboratories, Inc., New York, N. Y. Multi-vitamin preparation. 410,360; Nov. 21; Serial No. 471,222; published Aug. 29, 1944. Class 6.
Legge, Walter G., Company, Inc., New York, N. Y. Non-slip plasticlike material for use on oily, greasy, and wet floors and surfaces. 410,415; Nov. 21. Class 4.
Leonardi, S. B., & Co. Inc., New Rochelle, N. Y. Preparations for the treatment of diseases peculiar to women. 190,228; renewed Oct. 7, 1944.
Lewis, Mrs. John F., Las Cruces, N. Mex. Vegetable relishes. 410,388; Nov. 21. Class 46.
M & M Limited, Newark, N. J. Candy. 410,378; Nov. 21; Serial No. 472,149; published Sept. 12, 1944. Class 46.
Mangum, P. F., doing business as Snake River Farms, Nampa, Idaho. Fresh deciduous fruits and fresh vegetables. 472,330; Nov. 21; Serial No. 472,330; published Sept. 12, 1944. Class 46.
Mapes Piano String Co., The, New York, N. Y. Strings. 410,432; Nov. 21. Class 36.
Margo Distributing Company. (See Schmidt, Godfrey.)
Mar-O-Bar Company. (See Mars, Frank C.)
Mars, Frank C., doing business as Mar-O-Bar Company, Minneapolis, Minn., assignor, by mesne assignments, to Mars, Incorporated, Chicago, Ill. Candy. 196,182; renewed Mar. 10, 1945.
Mars, Incorporated. (See Mars, Frank C., assignor.)
Martin-Dennis Company, The, Newark, N. J. Water softening agents. 410,354–5; Nov. 21; Serial Nos. 470,982–3; published Aug. 29, 1944.
Maxine & Company, Cleveland, Ohio. Adductive liquid. 410,398; Nov. 21. Class 6.

Mayflower Manufacturing Company, Chicago, Ill. Wooden pull toys. 410,375; Nov. 21; Serial No. 471,979; published Sept. 12, 1944. Class 22.
McKesson & Robbins, Incorporated, New York, N. Y. Vitamin preparation. 410,331–2; Nov. 21; Serial Nos. 470,535–6; published Aug. 29, 1944. Class 6.
McKesson & Robbins, Incorporated, New York, N. Y. Preparations for the relief of coughs and colds. 410,333; Nov. 21; Serial No. 470,537; published Aug. 29, 1944. Class 6.
McKesson & Robbins, Incorporated, New York, N. Y. Antiseptic and analgesic. 410,334; Nov. 21; Serial No. 470,538; published Aug. 29, 1944. Class 6.
McKoin, Ida., doing business under the name of Morning Dew Mfg. Co., Guthrie, Okla. Hair growing preparation. 410,302; Nov. 21; Serial No. 467,253; published Sept. 5, 1944. Class 6.
Middy, Sally, Co. Inc., assignor to Robert L. Schwartz & Bro. Inc., New York, N. Y. Middies, knickers, bloomers, etc. 186,865; renewed July 22, 1944.
Milwaukee Tanning Co., The, Milwaukee, Wis. Lambskin powder puffs. 410,309; Nov. 21; Serial No. 468,531; published Sept. 12, 1944. Class 29.
Modern Foods Alliance. (See Howe, Charles H.)
Morning Dew Mfg. Co. (See McKoin, Ida.)
Morten Milling Company, assignor to Tex-O-Kan Flour Mills Company, Dallas, Tex. Wheat flour. 189,901; renewed Sept. 30, 1944.
Mounties, Inc., Boston, Mass. Photographic corner mountings. 410,371; Nov. 21; Serial No. 471,709; published Sept. 12, 1944. Class 37.
Muscat Cooperative Winery Association, Kingsburg, Calif. Wines. 410,404; Nov. 21. Class 47.
Mycoloid Laboratories, Inc. (See Colloidal Laboratories, assignor.)
National Plastic Products Company, Odenton, Md. Plastic materials and laminated sheets of synthetic resin. 410,330; Nov. 21; Serial No. 470,507; published Sept. 12, 1944. Class 1.
National Starch Products Inc., New York, N. Y. Synthetic resin adhesives. 410,324; Nov. 21; Serial No. 470,084; published Aug. 1, 1944. Class 5.
Nelligan, Arthur J., doing business as Arnel Products, Chicago, Ill. Preparation for removing tarnish from metal and cleaning glassware. 410,280; Nov. 21; Serial No. 460,478; published Sept. 5, 1944. Class 4.
New Jersey Zinc Company, The, New York, N. Y. Zinc oxide, zinc sulphide base compositions, zinc borate, etc. 410,356; Nov. 21; Serial No. 470,990; published Aug. 29, 1944. Class 6.
Norton Company, Worcester, Mass. Oilstones, abrasive stones, cleaning stones, etc. 410,357; Nov. 21; Serial No. 470,991; published Sept. 12, 1944. Class 4.
Norwich Knitting Company, Norwich, N. Y. Men's knitted underwear and polo shirts. 410,281; Nov. 21; Serial No. 461,524; published Sept. 12, 1944. Class 39.
Nu-Style. (See Blum, Theodore.)
Ohio Brass Company, The, Mansfield, Ohio. Ears, clamps, and hangers. 190,590; renewed Oct. 14, 1944.
Pacific Wines, Los Angeles, Calif. Wines. 410,428; Nov. 21. Class 47.
Pacific Wines, Los Angeles, Calif. Brandy. 410,429; Nov. 21. Class 49.
Packard Electric Company, The, Warren, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Electric insulated wire. 194,428; renewed Jan. 27, 1945.
Page & Dixon Drug Co., Inc., doing business as Cato Perfumers, assignor to William Semco, Chicago, Ill. Cold cream, lipstick, cologne, etc. 410,298; Nov. 21; Serial No. 466,586; published Aug. 29, 1944. Class 6.
Paint Engineers, Incorporated, New York, N. Y. Paints and varnishes. 410,362; Nov. 21; Serial No. 471,278; published Sept. 5, 1944. Class 16.
Parfum Dalmora. (See Begley, George, Jr.)
Parke, Davis & Company, Detroit, Mich. Absorbable cellulose surgical dressing. 410,383; Nov. 21; Serial No. 472,585; published Sept. 12, 1944. Class 44.
Patons & Baldwins, Inc. (See Baldwin, J. & J., assignor.)
Payne Manufacturing Company, The, Brooklyn, N. Y. Manicure instruments. 195,744; renewed Mar. 3, 1945.
Peerless Carbon Black Company, The, Pittsburgh, Pa. Carbon black. 410,341; Nov. 21; Serial No. 470,732; published Sept. 12, 1944. Class 1.
People's Outfitting Company, Detroit, Mich. Finger rings. 410,379; Nov. 21; Serial No. 472,155; published Sept. 12, 1944. Class 28.
Pessl, Helene, Inc., New York, N. Y. Perfumes, colognes, toilet waters, etc. 410,338; Nov. 21; Serial No. 470,581; published Aug. 29, 1944. Class 6.
Physicians & Hospitals Supply Company, Inc., doing business as Ulmer Pharmacal Company, Minneapolis, Minn. Detergent preparation. 410,288; Nov. 21; Serial No. 465,557; published Sept. 5, 1944. Class 4.
Physicians & Hospitals Supply Company, Inc., doing business as Ulmer Pharmacal Company, Minneapolis, Minn. Detergent preparation. 410,289; Nov. 21; Serial No. 465,562; published Sept. 5, 1944. Class 4.
Pinaud, Incorporated, New York, N. Y. Eau de cologne. 410,314; Nov. 21; Serial No. 469,441; published Aug. 29, 1944. Class 6.
Pittsburgh Plate Glass Company, Pittsburgh, Pa. Sheet glass. 195,878; renewed Mar. 3, 1945.
Quaker Oats Company, The. (See American Cereal Company, assignor.)
Quinn, K. J., & Co., Inc., Boston, Mass. Finish for leather. 410,364–5; Nov. 21; Serial Nos. 471,456–7; published Sept. 12, 1944. Class 4.
Radio Wire Television Inc. of New York. (See Thompson, R. E., Manufacturing Company.)
Radnai Cosmetic Laboratories, Philadelphia, Pa. Cosmetics. 410,423; Nov. 21. Class 6.
Rainbow Children Dress Co., New York, N. Y. Girls' and children's dresses, pinafores, blouses, etc. 410,373; Nov. 21; Serial No. 471,757; published Sept. 12, 1944. Class 39.
Raymond Bag Company, Middletown, Ohio. Paper receptacles and paper bags. 194,669; renewed Jan. 3, 1945.
Rebajes, Incorporated, New York, N. Y. Jewelry. 410,299; Nov. 21; Serial No. 466,623; published Sept. 12, 1944. Class 28.
Resinous Products & Chemical Company, The, Philadelphia, Pa. Synthetic or chemically prepared resinous materials and emulsions and solutions, etc. 410,297; Nov. 21; Serial No. 466,543; published Sept. 12, 1944. Class 1.
Richardson Corporation, Rochester, N. Y. Topping paste. 410,433; Nov. 21. Class 46.
Roche-Organon, Inc., Nutley, N. J. Combination of estrogenic and progestogenic preparations. 410,358; Nov. 21; Serial No. 471,003; published Sept. 5, 1944. Class 6.
Rojahn & Malaney Company, Milwaukee, Wis. Florist's shields which simulate foliage. 410,370; Nov. 21; Serial No. 471,630; published Sept. 12, 1944. Class 50.
Rose Exterminator Co., Chicago, Ill. Bait for exterminating rodents and like pests. 410,318; Nov. 21; Serial No. 469,692; published Aug. 29, 1944. Class 6.
Rosenbaum Glass Products, Inc., New York, N. Y. Vanity pocket mirrors. 410,412; Nov. 21. Class 32.
Royce Publishers, Chicago, Ill. Printed books. 410,401; Nov. 21. Class 38.
Rubberset Company, Newark, N. J. Paint brushes. 410,293–5; Nov. 21; Serial Nos. 465,637–9; published Sept. 12, 1944. Class 29.
Rugged Luggage & Trunk Company, Inc., Newark, N. J. Traveling cases, suitcases, week-end bags, and trunks. 410,403; Nov. 21. Class 3.
Safety Shock Mfg. Co., Fowler, Calif. Pressure regulating and surge cushioning valves. 410,395; Nov. 21. Class 13.
St. Louis Fireworks Company, St. Louis, Mo., assignor to Unexcelled Manufacturing Co. Inc., New York, N. Y. Fireworks. 26,305; re-renewed Mar. 26, 1945.
Sayre, Dudley O., doing business as Dairy Remedies Co., Upper Montclair, N. J. Udder ointment, udder liniment, horse tonic, etc. 410,306; Nov. 21; Serial No. 468,310; published Sept. 5, 1944. Class 6.
Schmidt, Godfrey, doing business as Margo Distributing Company, Dayton, Ohio. Herb tablets. 195,361; renewed Feb. 24, 1945.
Schwartz, Robert L., & Bro. Inc. (See Middy, Sally, Co. Inc., assignor.)
Scott, Rufus W., Company, assignor to Bacon-Scott Company, Inc., New York, N. Y. Hosiery. 193,295; renewed Dec. 23, 1944.
Semco, William. (See Page & Dixon Drug Co., Inc., assignor.)
Seydel Chemical Company, Jersey City, N. J. Antispasmodic used in seasickness, etc. 410,336; Nov. 21; Serial No. 470,550; published Aug. 29, 1944. Class 6.
Shedd Bartush Foods Inc. (See Shedd Products Company.)
Shedd Products Company, Detroit, Mich., now by change of name Shedd Bartush Foods Inc. Dressing for salad and meat. 410,393; Nov. 21. Class 46.
Silbert, Maurice W., doing business as Williams Pharmaceuticals, Cleveland Heights, Ohio. Tonic for nervous disorders. 410,408; Nov. 21. Class 6.
Simonds Saw and Steel Company, Fitchburg, Mass. Saws. 196,846–7; renewed Mar. 31, 1945.
Simonds Saw and Steel Company, Fitchburg, Mass. Saw blades. 196,882; renewed Mar. 31, 1945.
Simonds Saw and Steel Company, Fitchburg, Mass. Machine knives. 196,889; renewed Mar. 31, 1945.
Sinclair Refining Company. (See Clark, Fred G., Company, assignor.)
Smith, H. J., & Company. (See Smith, Harry J.)
Smith, Harry J., doing business as H. J. Smith & Company, assignor, by mesne assignments, to The Bonide Chemical Company, Utica, N. Y. Louse, flea, and insect destroyer. 189,157; renewed Sept. 16, 1944.
Smith, Henry O., Jr. (See Foster-McClellan Co., assignor.)
Smith, Hinsdale, Springfield, Mass. Chemicals and chemical compositions for toning, bleaching, and fixing photographic prints. 410,406; Nov. 21. Class 6.
Snake River Farms. (See Mangum, P. F.)
So Clean Products. (See Chemicals, Inc.)
Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Plasticizing oils. 410,347; Nov. 21; Serial No. 470,840; published Sept. 5, 1944. Class 6.

Specific Pharmaceuticals, Inc., New York, N. Y. Sulfathiazole-ephedrine suspension. 410,328; Nov. 21; Serial No. 470,426; published Sept. 5, 1944. Class 6.
Standard Brands Incorporated, New York, N. Y. Vinegar. 410,434; Nov. 21. Class 46.
Standard Platinum Company, Inc., New York, N. Y. Metallic alloys. 190,078; renewed Oct. 7, 1944.
Stange, Wm. J., Co., Chicago, Ill. Anti-oxidant. 410,326; Nov. 21; Serial No. 470,359; published Sept. 5, 1944. Class 6.
Sterling Drug Inc. (See Hall Van Gorder Company, The, assignor).
Stifel, J. L., & Sons, Wheeling, W. Va., by change of name to J. L. Stifel & Sons, Inc. Cotton piece goods. 196,376; renewed Mar. 31, 1945.
Stifel, J. L., & Sons, Inc. (See Stifel, J. L., & Sons.)
Stylepark Hats, Inc., Philadelphia, Pa. Men's felt hats. 196,800; renewed Mar. 31, 1945.
Tex-O-Kan Flour Mills Company. (See Morten Milling Company, assignor.)
Thermoil Lubricants Co., Tulsa, assignor, by mesne assignments, to Thermoil Lubricants Corporation, Elk City, Okla. Petroleum products consisting of lubricating oils and greases. 191,568; renewed Nov. 11, 1944.
Thermoil Lubricants Corporation. (See Thermoil Lubricants Co., assignor.)
Thompson, R. E., Manufacturing Company, Jersey City, N. J., to Radio Wire Television Inc. of New York, N. Y., successor. Radio receiving sets, and parts thereof, head telephones, and loud speakers. 187,851; renewed Aug. 12, 1944.
Thompson, Weinman & Company, Inc., Cartersville, Ga. Finely ground natural earthy material. 410,381; Nov. 21; Serial No. 472,262; published Sept. 12, 1944. Class 1.
Touraine Chemical Co. (See Touraine, H. Muller.)
Touraine, H. Muller, doing business as Touraine Chemical Co., New York, N. Y. Paint cleaners. 410,304; Nov. 21; Serial No. 467,931; published Sept. 12, 1944. Class 4.
Trupes Drug Co. (See Atkins, Samuel E.)
Turco Products, Inc., Los Angeles, Calif. Detergent cleaning compounds. 410,290–1; Nov. 21; Serial Nos. 465,590–1; published Sept. 6, 1944. Class 4.
Ulmer Pharmacal Company. (See Physicians & Hospitals Supply Company, Inc.)
Unexcelled Manufacturing Co. Inc. (See St. Louis Fireworks Company, assignor.)
Union Bag & Paper Company, Chicago, Ill., assignor to Union Bag & Paper Corporation, New York, N. Y. Paper bags. 25,860; re-renewed Jan. 15, 1945.
Union Bag & Paper Corporation. (See Union Bag & Paper Company, assignor.)
Van Loan & Co. Inc. (See Van Loan & Company, assignor.)
Van Loan & Company, assignor to Van Loan & Co. Inc., New York, N. Y. Spices. 190,099; renewed Oct. 7, 1944.
Van Raalte Company, Inc., New York, N. Y. Women's, misses' and children's slips. 410,366; Nov. 21; Serial No. 471,502; published Sept. 12, 1944. Class 39.
Vernan Manufacturing Company, Johnstown, Pa. Preparation or tonic for the hair. 410,339; Nov. 21; Serial No. 470,588; published Aug. 29, 1944. Class 6.
Vincent Chemical Company. (See Horvath, Charles V.)
Vlavianos, Basil, New York, N. Y. Review published from time to time. 410,385; Nov. 21. Class 38.
Wallis, Laverne, doing business as Wallis & Son, Murray, Ky. Preparation for the prevention of skippers on meats. 410,419; Nov. 21. Class 6.
Wallis & Son. (See Wallis, Laverne.)
Weidman, Richard J., doing business as Alo-Cresco Products, Richmond Hill, N. Y. Preparation for the conditioning of the hair. 410,335; Nov. 21; Serial No. 470,547; published Aug. 29, 1944. Class 6.
Wentz, M. C., Los Angeles, Calif. Cigarette boxes, cigar boxes, tobacco humidors, etc. 410,377; Nov. 21; Serial No. 472,132; published Sept. 12, 1944. Class 8.
Wiggin, Anne B., et al. (See Fletcher, Sarah S., assignor.)
Wiggin, Norman K., et al. (See Fletcher, Sarah S., assignor.)
Williams, Edward R., doing business as Creative Chemical Company, Pittsburgh, Pa. Chemical compound and a neutralizing and softening agent. 190,604; renewed Oct. 14, 1944.
Williams Pharmaceuticals. (See Silbert, Maurice W.)
Women's Wear Company, New York, N. Y. Newspaper section. 410,389; Nov. 21. Class 38.
Wortendyke Manufacturing Co., Richmond, Va. Gummed sealing tape and woven paper fabric. 410,380; Nov. 21; Serial No. 472,171; published Sept. 12, 1944. Class 37.
Wyeth Incorporated. (See Bovinine Company, The.)

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Animal fibers, Natural and dyed. Kempair Products Co. 410,363; Nov. 21; Serial No. 471,313; published Sept. 12, 1944.
Carbon black. Peerless Carbon Black Company. 410,341; Nov. 21; Serial No. 470,732; published Sept. 12, 1944.
Earthy material, Finely ground natural. Thompson, Weinman & Company. 410,381; Nov. 21; Serial No. 472,262; published Sept. 12, 1944.
Plastic materials and laminated sheets of synthetic resins. National Plastic Products Company. 410,330; Nov. 21; Serial No. 470,507; published Sept. 12, 1944.
Resinous materials and emulsions and solutions, etc., Synthetic or chemically prepared. Resinous Products & Chemical Company. 410,297; Nov. 21; Serial No. 466,543; published Sept. 12, 1944.
Tubes, rods and sheets. R. A. Fisch. 410,308; Nov. 21; Serial No. 468,485; published Sept. 12, 1944.

CLASS 2

Bags, Paper. Union Bag & Paper Company. 25,860; re-renewed Jan. 15, 1945.
Cases and bags. Hit Parade, Inc. 410,367; Nov. 21; Serial No. 471,555; published Sept. 12, 1944.
Receptacles and paper bags, Paper. Raymond Bag Company. 194,669; renewed Jan. 3, 1945.
Tanks, Storage. Chicago Bridge & Iron Works. 191,132; renewed Nov. 4, 1944.

CLASS 3

Cases, suitcases, week-end bags, and trunks, Traveling. Rugged Luggage & Trunk Company. 410,403; Nov. 21.

CLASS 4

Chemical cleanser and soap in powdered form, Combined. Acme Chemical Company. 410,282; Nov. 21; Serial No. 463,860; published Sept. 5, 1944.
Cleaner, Fur. Bailey, Prihoda & Co. 410,416; Nov. 21.
Cleaner, Hand. L. G. Gusler. 410,313; Nov. 21; Serial No. 469,256; published Sept. 12, 1944.
Cleaners, Paint. H. M. Touraine. 410,304; Nov. 21; Serial No. 467,931; published Sept. 12, 1944.
Cleaning and polishing composition. H. Haroutun. 410,368; Nov. 21; Serial No. 471,604; published Sept. 12, 1944.
Cleaning compounds, Detergent. Turco Products, Inc. 410,290–1; Nov. 21; Serial Nos. 465,590–1; published Sept. 5, 1944.
Compostiion for preventing fogging of glasses, windows, windshields and like materials. Gallowhur Chemical Corporation. 410,286; Nov. 21; Serial No. 465,359; published Sept. 12, 1944.
Detergent preparation. Physicians & Hospitals Supply Company, Inc. 410,288; Nov. 21; Serial No. 465,557; published Sept. 5, 1944.
Detergent preparation. Physicians & Hospitals Supply Company. 410,289; Nov. 21; Serial No. 465,562; published Sept. 5, 1944.
Detergents and cleansing compounds. S. W. Landsberger Chemical Works, Inc. 410,361; Nov. 21; Serial No. 471,156; published Sept. 5, 1944.
Finish for leather. K. J. Quinn & Co. Inc. 410,364–5; Nov. 21; Serial Nos. 471,456–7; published Sept. 12, 1944.
Oilstones, abrasive stones, cleaning stones, etc. Norton Company. 410,357; Nov. 21; Serial No. 470,991; published Sept. 12, 1944.
Plasticlike material for use on oily, greasy, and wet floors and surfaces, Nonslip. Walter G. Legge Company. 410,415; Nov. 21.
Polish, shaving soap, soft soap, etc., Knife. Aktiebolaget Yvy-Fabriken. 191,506; renewed Nov. 11, 1944.
Preparation for removing tarnish from metal and cleaning glassware. A. J. Nelligan. 410,280; Nov. 21; Serial No. 460,478; published Sept. 5, 1944.

CLASS 5

Adhesives, Synthetic resin. National Starch Products Inc. 410,324; Nov. 21; Serial No. 470,084; published Aug. 1, 1944.
Materials, Waterproofing and salt-forming. Cello Products Incorporated. 191,500; renewed Nov. 11, 1944.

CLASS 6

Agents for chrome in a dye bath, Reducing. P. J. Collins. 410,296; Nov. 21; Serial No. 465,649; published Aug. 29, 1944.
Anti-oxidant. Wm. J. Stange Co. 410,326; Nov. 21; Serial No. 470,359; published Sept. 5, 1944.
Antiseptic and analgesic. McKesson & Robbins, Incorporated. 410,334; Nov. 21; Serial No. 470,538; published Aug. 29, 1944.
Antispasmodic used in seasickness, etc. Seydel Chemical Company. 410,336; Nov. 21; Serial No. 470,550; published Aug. 29, 1944.
Bait for exterminating rodents and like pests. Rose Exterminator Co. 410,318; Nov. 21; Serial No. 469,692; published Aug. 29, 1944.

Balm for treatment of coughs, colds, etc. F. Dedek. 410,410; Nov. 21.
Bleach, Household, Chemicals, Inc. 410,418; Nov. 21.
Chemical compound and a neutralizing and softening agent. E. R. Williams. 190,604; renewed Oct. 14, 1944.
Chemicals and chemical compositions for toning, bleaching, and fixing photographic prints. Hinsdale Smith. 410,409; Nov. 21.
Chemicals for detecting alterations in documents. Graphodetector Corporation of America. 410,425; Nov. 21.
Cold cream, lipstick, cologne, etc. Page & Dixon Drug Co. 410,298; Nov. 21; Serial No. 466,586; published Aug. 29, 1944.
Composition for treating leucorrhea. S. E. Atkins. 410,420; Nov. 21.
Compositions for dehumidifying air and other gases. Dicalite Company. 410,399; Nov. 21.
Cosmetics. Radnai Cosmetic Laboratories. 410,423; Nov. 21.
Cream, talc, face powder, etc., Skin and tissue. R. Hudnut. 195,731; renewed Mar. 3, 1945.
Dermatological preparation. Doak Company. 410,317; Nov. 21; Serial No. 469,592; published Sept. 5, 1944.
Destroyer, Louse, flea, and insect. H. J. Smith. 189,157; renewed Sept. 16, 1944.
Eau de cologne. Pinaud, Incorporated. 410,314; Nov. 21; Serial No. 469,441; published Aug. 29, 1944.
Estrogenic and progestogenic preparations. Roche-Organon, Inc. 410,358; Nov. 21; Serial No. 471,003; published Sept. 5, 1944.
Fire extinguishers comprising frangible receptacles having a filling of fire extinguishing material. Firefly Extinguishers. 410,323; Nov. 21; Serial No. 470,021; published Aug. 22, 1944.
Greaseless bases, Water soluble. Dome Chemicals Incorporated. 410,321; Nov. 21; Serial No. 469,808; published Aug. 29, 1944.
Hair growing preparation. I. McKoin. 410,302; Nov. 21; Serial No. 467,253; published Sept. 5, 1944.
Inhaler device and refills therefor. Aufhauser Brothers Company. 410,386; Nov. 21.
Liquid, Adductive. Maxine & Company. 410,398; Nov. 21.
Medicinal preparation for scrofula, lymphatism, adenoids, etc. Laurent Lafay. 196,499; renewed Mar. 17, 1945.
Medicinal vitamin preparations. Bovinine Company. 410,271; Nov. 21; Serial No. 451,335; published Apr. 14, 1942.
Medicine for the treatment of piles. W. T. Bradley. 410,337; Nov. 21; Serial No. 470,554; published Aug. 29, 1944.
Multi-vitamin preparation. Lederle Laboratories, Inc. 410,360; Nov. 21; Serial No. 471,222; published Aug. 29, 1944.
Oil, Solnble sulphonated. A. Klipstein and Company. 192,050; renewed Nov. 25, 1944.
Oils, Plasticizing. Socony-Vacuum Oil Company 410,347; Nov. 21; Serial No. 470,840; published Sept. 5, 1944.
Oils, sizings, penetrants, etc., Soluble. Hart Products Corporation. 410,287; Nov. 21; Serial No. 465,428; published Aug. 29, 1944.
Ointment, udder liniment, horse tonic, etc., Udder. D. O. Sayre. 410,306; Nov. 21; Serial No. 468,310; published Sept. 5, 1944.
Oxides, zinc sulphide base composition, zinc borate, etc., Zinc. New Jersey Zinc Company. 410,356; Nov. 21; Serial No. 470,990; published Aug. 29, 1944.
Perfume and cologne. G. Begley, Jr. 410,319; Nov. 21; Serial No. 469,717; published Aug. 29, 1944.
Perfume and cologne. Robert B. Karoff Creations, Inc. 410,344; Nov. 21; Serial No. 470,769; published Aug. 29, 1944.
Perfumes, colognes, toilet waters, etc. Helene Pessl, Inc. 410,338; Nov. 21; Serial No. 470,581; published Aug. 29, 1944.
Perfumes, perfume bags, and perfume sachets. Hervey Manufacturing Co. 410,400; Nov. 21.
Permanent wave solution. C. V. Horvath. 410,417; Nov. 21.
Pharmaceutical preparation of copper and iron combined with protein. Arlington Chemical Company. 410,307; Nov. 21; Serial No. 468,428; published Aug. 29, 1994.
Pills, Cathartic. Foster-McClellan Co. 192,163; renewed Nov. 25, 1944.
Powder, after shave lotion, and shampoo, Talcum. S. H. Kress and Company. 410,392; Nov. 21.
Powder, Liquid face. House of La Cara. 410,396; Nov. 21.
Powder, solution, lotion and ointment, Therapeutic. Colloidal Laboratories. 410,284; Nov. 21; Serial No. 464,409; published Aug. 29, 1944.
Powders, face creams, perfumes, etc., Face. Glebeas Importation Co. 190,273; renewed Oct. 7, 1944.
Preparation for the conditioning of the hair. R. J. Weidman. 410,335; Nov. 21; Serial No. 470,547; published Aug. 29, 1944.
Preparation for the prevention of skippers on meats. L. Wallis. 410,419; Nov. 21.
Preparation or tonic for the hair. Vernan Manufacturing Company. 410,339; Nov. 21; Serial No. 470,588; published Aug. 29, 1944.
Preparations for the relief of coughs and colds. McKesson & Robbins, Incorporated. 410,333; Nov. 21; Serial No. 470,537; published Aug. 29, 1944.
Preparations for the treatment of diseases peculiar to women. S. B. Leonardi & Co. Inc. 190,228; renewed Oct. 7, 1944.
Product for the treatment of screwworm infections. Florida Chemical Industries, Inc. 410,325; Nov. 21; Serial No. 470,334; published Sept. 5, 1944.
Rheumatic medicine. D. M. Holden. 410,349; Nov. 21; Serial No. 470,885; published Sept. 5, 1944.
Sulfathiazole-ephedrine suspension. Specific Pharmaceuticals, Inc. 410,328; Nov. 21; Serial No. 470,426; published Sept. 5, 1944.
Tablets for the relief of pain. M. O. Keeley. 410,414; Nov. 21.
Tablets, Herb. G. Schmidt. 195,361; renewed Feb. 24, 1945.
Tonic for nervous disorders. M. W. Silbert. 410,408; Nov. 21.
Tooth paste. Hall Van Gorder Company. 196,426; renewed Mar. 17, 1945.
Vitamin preparation. McKesson & Robbins, Incorporated. 410,331–2; Nov. 21; Serial Nos. 470,535–6; published Aug. 29, 1944.
Water softening agents. Martin-Dennis Company. 410,354–5; Nov. 21; Serial Nos. 470,982–3; published Aug. 29, 1944. Class 6.

CLASS 8

Booklets, Cigaret paper. M. N. Hakkak & Co. 410,300; Nov. 21; Serial No. 466,732; published Sept. 12, 1944.
Boxes, cigar boxes, tobacco humidors, etc., Cigarette. M. C. Wentz. 410,377; Nov. 21; Serial No. 472,132; published Sept. 12, 1944.

CLASS 9

Fireworks. St. Louis Fireworks Company. 26,305; re-renewed Mar. 26, 1945.

CLASS 12

Fabrics, Coated. R. F. Hlavaty. 410,312; Nov. 21; Serial No. 469,157; published Sept. 12, 1944.

CLASS 13

Buttons, buckles, clasps, etc. T. Carlyle and J. M. Carlyle. 25,508; re-renewed Nov. 13, 1944.
Valves and fire hydrants, Gate. Darling Valve & Manufacturing Company. 196,604; renewed Mar. 24, 1945.
Valves, Pressure regulating and surge cushioning. Safety Shock Mfg. Co. 410,395; Nov. 21.

CLASS 14

Alloys, Metallic. Standard Platinum Company. 190,078; renewed Oct. 7, 1944.
Bronze shapes, forgings, ingots, etc., Wrought. Ampco Metal, Inc. 410,301; Nov. 21; Serial No. 467,177; published Sept. 5, 1944.
Plates, terne plates, and similar goods, Tin. American Tin Plate Company. 26,168–9; re-renewed Mar. 5, 1945.
Steel in the form of wire, strips, bars, billets, and shapes. Carpenter Steel Company. 410,397; Nov. 21.
Welding rods, Coated and uncoated. International Nickel Company. 410,329; Nov. 21; Serial No. 470,453; published Sept. 5, 1944.

CLASS 15

Oils and greases, Lubricating. Fred G. Clark Company. 190,702; renewed Oct. 21, 1944.
Products consisting of lubricating oils and greases, Petroleum. Thermoil Lubricants Co. 191,568; renewed Nov. 11, 1944.

CLASS 16

Paints and varnishes. Paint Engineers, Incorporated. 410,362; Nov. 21; Serial No. 471,278; published Sept. 5, 1944.

CLASS 17

Cigars. Gradlaz, Annis & Co. Inc. 410,402; Nov. 21.

CLASS 19

Cabs, trucks, vans, etc. Auto Truck Equipment Company. 195,833; renewed Mar. 3, 1945.
Casters, Truck. Bond Foundry and Machine Company. 196,094; renewed Mar. 10, 1945.
Motor vehicle bodies and structural parts thereof, airplanes and structural parts thereof. International Union, United Automobile, Aircraft and Agricultural Implement Workers of America, Affiliated with the Congress of Industrial Organizations. 410,303; Nov. 21; Serial No. 467,890; published Sept. 12, 1944.
Radiators, Automobile. Harrison Radiator Corporation. 194,357; renewed Jan. 20, 1945.

CLASS 20

Cloth, Oiled. Columbus-Union Oil Cloth Co. 196,264–5; renewed Mar. 17, 1945.
Cloth, Oiled. Columbus-Union Oil Cloth Co. 196,428; renewed Mar. 17, 1945.

CLASS 21

Ears, clamps, and hangers. Ohio Brass Company. 190,590; renewed Oct. 14, 1944.
Lamps for automobiles and motor vehicles of all kinds, Electric. Guide Motor Lamps Manufacturing Company. 194,519; renewed Jan. 27, 1944.
Radio receiving apparatus and parts thereof. Hoffman Radio Corporation. 410,422; Nov. 21.
Receiving sets, and parts thereof, head telephones, and loud speakers, Radio. R. E. Thompson Manufacturing Company. 187,851; renewed Aug. 12, 1944.
Wire, Electric insulated. Packard Electric Company. 194,428; renewed Jan. 27, 1945.

CLASS 22

Rings, suspended swings, horizontal bars, etc., Flying. Inez Holland House. 410,369; Nov. 21; Serial No. 471,607; published Sept. 12, 1944.
Wooden pull toys. Mayflower Manufacturing Company. 410,375; Nov. 21; Serial No. 471,979; published Sept. 12, 1944.

CLASS 23

Blades, Saw. Simonds Saw and Steel Company. 196,882; renewed Mar. 31, 1945.
Internal-grinding machines. Greenfield Tap and Die Corporation. 191,946; renewed Nov. 25, 1944.
Knives, Machine. Simonds Saw and Steel Company. 196,889; renewed Mar. 31, 1945.
Locomotives, Railway. Holt Manufacturing Company. 190,950; renewed Oct. 28, 1944.
Pumps of all kinds and parts thereof, internal-combustion engines and parts thereof. Ralph B. Carter Company. 195,714; renewed Mar. 3, 1945.
Rail plates, Tractor. Allied Steel Products, Inc. 410,411; Nov. 21.
Saws. Simonds Saw and Steel Company. 196,846–7; renewed Mar. 31, 1945.
Saws, saw handles, inserted saw teeth, etc. Henry Disston & Sons, Incorporated. 195,100; renewed Feb. 17, 1945.
Standpipes and spouts, Locomotive. Fairbanks, Morse & Co. 410,406; Nov. 21.

CLASS 26

Apparatus for indexing, Indicating and recording. Glenny & Blew. 196,116; renewed Mar. 10, 1945.

CLASS 27

Watches. A. A. Friedman. 410,407; Nov. 21.
Watches. A. A. Friedman. 410,413; Nov. 21.

CLASS 28

Bracelets, brooch pins, lapel pins, etc. Hobeé Cie, Ltd. 410,430; Nov. 21.
Finger rings. People's Outfitting Company. 410,379; Nov. 21; Serial No. 472,155; published Sept. 12, 1944.
Jewelry. Rebajes, Incorporated. 410,299; Nov. 21; Serial No. 466,623; published Sept. 12, 1944.

CLASS 29

Brushes, Paint. Rubberset Company. 410,293–5; Nov. 21; Serial Nos. 465,637–9; published Sept. 12, 1944.
Powder puffs, Lambskin. Milwaukee Tanning Co. 410,309; Nov. 21; Serial No. 468,531; published Sept. 12, 1944.

CLASS 30

Vases and table ware, Ceramic. S. S. Fletcher. 410,283; Nov. 21; Serial No. 463,996; published Sept. 12, 1944.

CLASS 31

Filters, filter distributors, filter underdrains, etc. Infilco Incorporated. 410,350; Nov. 21; Serial No. 470,886; published Sept. 12, 1944.

CLASS 32

Chairs and davenports, Upholstered. Wm. Brenner Furniture Corp. 410,426; Nov. 21.
Mirrors, Vanity pocket. Rosenbaum Glass Products, Inc. 410,412; Nov. 21.

CLASS 33

Sheet glass. Pittsburgh Plate Glass Company. 195,878; renewed Mar. 3, 1945.

CLASS 34

Ovens, machinery and equipment, Baking. L. D. Houlis. 410,305; Nov. 21; Serial No. 468,201; published Sept. 12, 1944.

CLASS 35

Hose, Linen fire. William and Charles Beck, Inc. 193,402; renewed Dec. 30, 1944.

CLASS 36

Strings. Mapes Piano String Co. 410,432; Nov. 21.

CLASS 37

Blank forms. Hotel and Restaurant Employees' International Alliance and Bartenders' International League of America. 410,275–8; Nov. 21; Serial Nos. 460,048–51; published Sept. 12, 1944.
Blank forms. Hotel and Restaurant Employees' International Alliance and Bartenders' International League of America. 410,279; Nov. 21; Serial No. 460,301; published Sept. 12, 1944.
Card board for collapsible boxes. Blum Folding Paper Box Co. 410,421; Nov. 21.
Mountings, Photographic corner. Mounties, Inc. 410,371; Nov. 21; Serial No. 471,709; published Sept. 12, 1944.
Tape and woven paper fabric, Gummed sealing. Wortendyke Manufacturing Co. 410,380; Nov. 21; Serial No. 472,171; published Sept. 12, 1944.
Writing paper, Air mail. Ecusta Paper Corporation. 410,340; Nov. 21; Serial No. 470,712; published Sept. 12, 1944.

CLASS 38

Books, Printed. Royce Publishers. 410,401; Nov. 21.
Magazine section. Fairchild Advertising, Inc. 410,390; Nov. 21.
Newspaper section. Women's Wear Company. 410,389; Nov. 21.
Review published from time to time. B. Vlavianos. 410,385; Nov. 21.
Section of a periodical. Haire Publishing Company. 410,424; Nov. 21.
Section of a periodical and a periodical publication. Distribution and Warehousing Publications, Inc. 410,391; Nov. 21.

CLASS 39

Bibs, baby pants, infant's bands. Brody Mfg. Co., Not Inc. 410,315; Nov. 21; Serial No. 469,493; published Sept. 12, 1944.
Coats and suits, Misses' and junior misses'. T. Blum. 410,372; Nov. 21; Serial No. 471,730; published Sept. 12, 1944.
Coats, cutaway coats, full-dress suits, etc., Men's sack. D. T. Langrock, Inc. 190,197; renewed Oct. 7, 1944.
Dresses, pinafores, blouses, etc., Girls' and children's Rainbow Children Dress Co. 410,373; Nov. 21; Serial No. 471,757; published Sept. 12, 1944.
Hats, Men's felt. Stylepark Hats, Inc. 196,800; renewed Mar. 31, 1945.
Hosiery. Rufus W. Scott Company. 193,295; renewed Dec. 23, 1944.
Hosiery and underwear. Hillsboro Hosiery Mills, Inc. 410,316; Nov. 21; Serial No. 469,499; published Sept. 12, 1944.
Middies, knickers, bloomers, etc. Sally Middy Co. Inc. 186,865; renewed July 22, 1944.
Shoes, Leather, rubber, and fabric. L. Klein, Inc. 195,802; renewed Mar. 3, 1945.
Slips, Ladies' and misses'. Industrial Undergarment Corp. 410,292; Nov. 21; Serial No. 465,627; published Sept. 5, 1944.
Slips, Women's, misses' and children's. Van Raalte Company. 410,366; Nov. 21; Serial No. 471,502; published Sept. 12, 1944.
Underwear and polo shirts, Men's knitted. Norwich Knitting Company. 410,281; Nov. 21; Serial No. 461,524; published Sept. 12, 1944.

CLASS 40

Buttons, buckles, clasps, etc. T. Carlyle and J. M. Carlyle. 25,508; re-renewed Nov. 13, 1944.

CLASS 42

Bedspreads and draperies. Bates Manufacturing Company. 410,273; Nov. 21; Serial No. 456,171; published Sept. 12, 1944.
Cloth, Spun rayon. Cantor Greenspan Co. 410,351; Nov. 21; Serial No. 470,959; published Aug. 15, 1944.
Fabric and piece goods. Julius Kayser & Co. 194,330; renewed Jan. 20, 1945.
Fabrics in the piece, Textile. Esmond Mills, Inc. 410,322; Nov. 21; Serial No. 469,894; published Aug. 1, 1944.
Piece goods. Cohn-Hall-Marx Co. 410,359; Nov. 21; Serial No. 471,072; published Sept. 12, 1944.
Piece goods. Hego Fabrics, Inc. 410,342; Nov. 21; Serial No. 470,764; published Aug. 8, 1944.
Piece goods. Hego Fabrics, Inc. 410,343; Nov. 21; Serial No. 470,768; published Aug. 8, 1944.
Piece goods, Cotton. J. L. Stifel & Sons. 196,876; renewed Mar. 31, 1945.
Piece goods of cotton, rayon, etc. Cohn-Hall-Marx Co. 410,310; Nov. 21; Serial No. 468,556; published Aug. 8, 1944.
Piece goods, Woolen. Forstmann Woolen Co. 410,345–6; Nov. 21; Serial Nos. 470,814–15; published Aug. 8, 1944.
Piece goods, Woven. Edwin E. Berliner & Co. 410,311; Nov. 21; Serial No. 468,774; published Aug. 22, 1944.
Rayon cloth, Spun. Cantor Greenspan Co. 410,352–3; Nov. 21; Serial Nos. 470,960–1; published Aug. 22, 1944.

Rugs, mats, and seat covers, Bath. Callaway Mills. 410,348; Nov. 21; Serial No. 470,846; published Aug. 15, 1944.
Silk piece goods. Duplan Silk Corporation. 191,172; renewed Nov. 4, 1944.
Wool, cotton, silk, etc., in the piece. E. A. Dunbar. 410,272; Nov. 21; Serial No. 455,426; published Aug. 22, 1944.

CLASS 43

Yarns. J. & J. Baldwin. 25,625; re-renewed Dec. 11, 1944.
Yarns. J. & J. Baldwin. 25,668–9; re-renewed Dec. 18, 1944.
Yarns. J. & J. Baldwin. 25,674; re-renewed Dec. 18, 1944.

CLASS 44

Bandages. V. Calhoun. 410,431; Nov. 21.
Dental rubber. Atlantic Rubber Manufacturing Corporation. 194,252; renewed Jan. 20, 1945.
Manicure instruments. Payne Manufacturing Company. 195,744; renewed Mar. 3, 1945.
Molds, Ear. W. D. Clark. 410,374; Nov. 21; Serial No. 471,896; published Sept. 12, 1944.
Surgical dressing, Absorbable cellulose. Parke, Davis & Company. 410,383; Nov. 21; Serial No. 472,585; published Sept. 12, 1944.

CLASS 45

Soft drinks and syrups and concentrates for making same, Nonalcoholic, maltless. M. Harrison. 410,427; Nov. 21.

CLASS 46

Cakes, cookies, fried cakes, etc. Grennan Cake Corporation. 196,500; renewed Mar. 17, 1945.
Candy. Brecht Candy Company. 196,486; renewed Mar. 17, 1945.
Candy. M & M Limited. 410,378; Nov. 21; Serial No. 472,149; published Sept. 12, 1944.
Candy. Hawley & Hoops. 196,794; renewed Mar. 31, 1945.
Candy. Hawley & Hoops. 196,873; renewed Mar. 31, 1945.
Candy. F. C. Mars. 196,182; renewed Mar. 10, 1945.
Candy and confectionery. Golden Nugget Sweets. 190,336; renewed Oct. 14, 1944.
Canned fruit, canned fish, cocoanut, etc. Dodwell & Co. Ltd. 196,852; renewed Mar. 31, 1945.
Canned vegetables. Geidel Canneries, Inc. 410,320; Nov. 21; Serial No. 469,758; published Sept. 12, 1944.
Cheese. V. O. Jarvinen. 410,384; Nov. 21.
Dressing for salad and meat. Shedd Products Company. 410,393; Nov. 21.
Feeds and feed supplements for livestock and poultry. Atlantic Supply Company. 410,285; Nov. 21; Serial No. 464,934; published Sept. 12, 1944.
Flour and other certain named cereal foods. American Cereal Company. 26,252–4; re-renewed Mar. 19, 1945.
Flour, Wheat. Morten Milling Company. 189,901; renewed Sept. 30, 1944.
Fruits and fresh vegetables, Fresh deciduous. P. F. Mangum. 410,382; Nov. 21; Serial No. 472,330; published Sept. 12, 1944.
Herring, Banquet spiced. Kildall Fish Co. 410,387; Nov. 21.
Lecithin and associated phosphatides with an edible carrier. American Lecithin Company. 410,327; Nov. 21; Serial No. 470,364; published Sept. 12, 1944.
Oil, Olive. H. de Ybarra. 178,383; renewed Jan. 8, 1944.
Paste, Topping. Richardson Corporation. 410,433; Nov. 21.
Pecans, Shelled and unshelled. Dixie Pecan Growers Exchange, Inc. 195,490; renewed Feb. 24, 1945.
Relishes, Vegetable. Mrs. J. F. Lewis. 410,388; Nov. 21.
Sauce, Mint. Kehoe Preserving Co. 193,051; renewed Dec. 16, 1944.
Seasoning, Food. C. H. Howe. 410,376; Nov. 21; Serial No. 472,066; published Sept. 12, 1944.
Spices. Van Loan & Company. 190,099; renewed Oct. 7, 1944.
Vegetables and melons, Fresh. E & L Company. 410,274; Nov. 21; Serial No. 457,605; published Sept. 12, 1944.
Vinegar. Standard Brands Incorporated. 410,434; Nov. 21.
Whey, wheat flour, and lecithin, Combination of dried. Bowman Dairy Company. 410,405; Nov. 21.

Class 47

Wines. Muscat Cooperative Winery Association. 410,404; Nov. 21.
Wines. Pacific Wines. 410,428; Nov. 21.

CLASS 49

Brandy. Pacific Wines. 410,429; Nov. 21.
Whiskey. Compania des Destilerias Internationales, Inc. 410,394; Nov. 21.

CLASS 50

Shields which simulate foliage, Florist's. Rojahn & Malaney Company. 410,370; Nov. 21; Serial No. 471,630; published Sept. 12, 1944.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 21ST DAY OF NOVEMBER, 1944

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

American Cyanamid Company. (See Johnston, E. P., Jr., and van Loo, assignors.)
Daggett, Harry H. (See Gillanders, A. C., and Daggett.)
Fingado, Gustav A., Little Falls, and H. Ludwig, Hohokus, N. J., assignors to Julius Schmid, Inc., New York, N. Y. Method and machine for treating thin rubber articles. Re. 22,561; Nov. 21.
Gillanders, Alexander C., West Hollywood, and H. H. Daggett, Los Angeles, Calif., assignors to Johnson & Johnson, New Brunswick, N. J. Holder and dispenser for rolled sheet material. Re. 22,565; Nov. 21.
Goodman Manufacturing Company. (See Lindgren, Frank A., assignor.)
Hicks, Carl G., Chicago, Ill., assignor to M. T. and R. E. Williams. Mechanism for cutting and looping springs. Re. 22,567; Nov. 21.
Johnson & Johnson. (See Gillanders, A. C., and Daggett, assignors.)
Johnstone, Edwin P., Jr., Glenbrook, and W. J. van Loo, Jr., East Port Chester, Conn., assignors to American Cyanamid Company, New York, N. Y. Treatment of woolen textile materials. Re. 22,566; Nov. 21.
Kantz, Frederick, Philadelphia, Pa. Combined framing structure and bracket support. Re. 22,562; Nov. 21.
Linde Air Products Company, The. (See Moss, H. H., and Patch, assignors.)
Lindgren, Frank A., La Grange, assignor to Goodman Manufacturing Company, Chicago, Ill. Kerf-cutting machine. Re. 22,563; Nov. 21.
Ludwig, Hans. (See Fingado, G. A., and Ludwig.)
Moss, Herbert H., Elizabeth, N. J., and G. W. Patch, Jr., Kenmore, N. Y., assignors to The Linde Air Products Company. Cutting or welding and heat-treating apparatus. Re. 22,568; Nov. 21.
Murphy, Howard J., Greenwood, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Wiring and the like clip device. Re. 22,564; Nov. 21.
Patch, George W., Jr. (See Moss, H. H., and Patch.)
Schmid, Julius, Inc. (See Fingado, G. A., and Ludwig, assignors.)
United-Carr Fastener Corporation. (See Murphy, Howard J., assignor.)
Van Loo, William J., Jr. (See Johnstone, Edwin P., Jr., and van Loo.)
Williams, Maurice T., et al. (See Hicks, Carl G., assignor.)
Williams, Ralph E., et al. (See Hicks, Carl G., assignor.)

LIST OF DESIGN PATENTEES

American Optical Company. (See Ellis, Charles A., assignor.)
Beard, Charles L., Lancaster, Pa. Angle shrinker. 139,505; Nov. 21.
Bell Telephone Laboratories, Incorporated. (See Hose, Robert H., assignor.)
Bennett, George, assignor to Pinaud Incorporated, New York, N. Y. Perfume container. 139,495; Nov. 21.
Bohn Aluminum & Brass Corporation. (See Walker, George W., assignor.)
Crown Rheostat & Supply Co. (See Huenerfauth, George E., assignor.)
Davis, Caroline G., New York, N. Y. Doll. 139,458; Nov. 21.
Del Vecchio, Corinne, St. Albans, N. Y. Doll. 139,467; Nov. 21.
Dentzler, William G., Jr., Milwaukee, Wis. Drafting device. 139,459; Nov. 21.
De Pasquale, John, and A. Westerman, assignors to Hardy Metal Specialties Inc., Brooklyn, N. Y. Clasp for a hand bag or similar article. 139,466; Nov. 21.
Devlin, Leo J. (See Heinemann, E. H., and Devlin.)
De Waltoff, Samuel A., Los Angeles, Calif. Needle threader. 139,509; Nov. 21.
Dixon Bartlett Company. (See Henkel, Hans, assignor.)
Douglas Aircraft Company. (See Heinemann, E. H., and Devlin, assignors.)
Edelson, Samuel, New York, N. Y. Game table cover or the like. 139,502; Nov. 21.
Ellis, Charles A., assignor to American Optical Company, Southbridge, Mass. Head for an otoscope or the like. 139,496; Nov. 21.
Ellis, Charles A., assignor to American Optical Company, Southbridge, Mass. Head for a retinoscope or the like. 139,497; Nov. 21.
Ellis, Charles A., assignor to American Optical Company, Southbridge, Mass. Head for an ophthalmoscope or the like. 139,498; Nov. 21.
Ellmore Silver Company, The. (See Malinowski, Harry A., assignor.)
Epstein, Solomon, Los Angeles, Calif. Shirt or similar article. 139,484; Nov. 21.
Fixler Bros. (See Fixler, Maurice, assignor.)
Fixler, Maurice, Chicago, Ill., assignor to Fixler Bros. Embroidered medallion or the like. 139,468; Nov. 21.
Florence Stove Company. (See Lippincott, Joshua G., assignor.)
Floyd Wells Company. (See Thygeson, Arthur T., assignor.)
Fosgood Corporation. (See Foster, Joseph C., assignor.)
Foster, Joseph C., assignor to Fosgood Corporation, Leominster, Mass. Cigarette case or the like. 139,469; Nov. 21.
Gabriel, Milan E., New York, N. Y. Picture frame or similar article. 139,470; Nov. 21.
Gilman, Earl C., Kansas City, Mo. Combination desk unit. 139,503; Nov. 21.
Golden, Harry, New York, N. Y. Combined backplate for rearview mirror and reflector. 139,506; Nov. 21.
Gregori of Hollywood Inc. (See Sale, Frank, assignor.)
Hardy Metal Specialties Inc. (See De Pasquale, J., and Westerman, assignors.)
Heinemann, Edward H., and L. J. Devlin, Los Angeles, assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif. Airplane. 139,507; Nov. 21.
Hendrix, Rex, Brooklyn, N. Y. Picture mount or similar article. 139,471; Nov. 21.
Henkel, Hans, Baltimore, Md., assignor to Dixon Bartlett Company. Shoe. 139,499; Nov. 21.
Hose, Robert H., Mountainside, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone supporting shelf. 139,472; Nov. 21.
Huenerfauth, George E., Park Ridge, assignor to Crown Rheostat & Supply Co., Chicago, Ill. Tumbling apparatus. 139,460; Nov. 21.
Huenerfauth, George E., Park Ridge, assignor to Crown Rheostat & Supply Co., Chicago, Ill. Tumbling machine. 139,461; Nov. 21.
Jakosky, John J., Los Angeles, Calif. Golf club head. 139,462; Nov. 21.
Jakosky, John J., Los Angeles, Calif. Golf club head. 139,463; Nov. 21.
Jarvis, William E., Greenfield, Mass. Battery terminal puller. 139,485; Nov. 21.
Koch, Ernest E., Forest Hills, N. Y. Sewing kit. 139,486; Nov. 21.
Kronenwetter, Urban B., St. Mary's, Pa. Smoke stand. 139,473; Nov. 21.
Lange, Morris, University Heights, Ohio. Draped partition or the like. 139,474; Nov. 21.
Laughlin, Myron P., Gulfport, Fla. Implement handle. 139,475; Nov. 21.
Lippincott, Joshua G., Scarsdale, N. Y., assignor to Florence Stove Company, Gardner, Mass. Range. 139,487; Nov. 21.
Littman, Edward A., Cudahy, Wis. Combined window shade bracket and guide. 139,464; Nov. 21.
Malinowski, Harry A., assignor to The Ellmore Silver Company, Inc., Meriden, Conn. Pin or similar article. 139,488; Nov. 21.
McMahan, Valrie E., Burlingame, Calif. Doll. 139,465; Nov. 21.
Miller, Burke, Kansas City, Mo. Radial arm saw. 139,476; Nov. 21.
Moore, Julian M., West Hartford, assignor to The Silex Company, Hartford, Conn. Handle for coffee makers. 139,489; Nov. 21.
Murray Corporation of America. (See Trombley, Bertrand N., assignor.)

Oseroff, Louis, Cleveland Heights, Ohio. Stocking. 139,477; Nov. 21.
Pinaud Incorporated. (See Bennett, George, assignor.)
Rafelman, Jesse, Norfolk, Va. Applique or similar article. 139,478; Nov. 21.
Rafelman, Jesse, Norfolk, Va. Applique or similar article. 139,490; Nov. 21.
Sadler, Sabra S., Richmond, Va. Foot rest. 139,504; Nov. 21.
Sale, Frank, assignor to Gregori of Hollywood Inc., Los Angeles, Calif. Towel rack. 139,479; Nov. 21.
Sallerno, Vincent, Newark, N. J. Spectacle frame. 139,500; Nov. 21.
Sannar, Ray E., Elyria, Ohio. Rubber heel. 139,501; Nov. 21.
Sheinbaum, Ben, New York, N. Y. Dress. 139,491; Nov. 21.
Sierad, Albert E., Larchmont, N. Y. Combination cap and comb. 139,492; Nov. 21.
Silex Company, The. (See Moore, Julian M., assignor.)
Snow, William H., Chicago, Ill. Automobile steering wheel. 139,508; Nov. 21.
Thygeson, Arthur T., Larchmont, N. Y., assignor to Floyd Wells Company, Royersford, Pa. Gas range. 139,480; Nov. 21.
Thygeson, Arthur T., Larchmont, N. Y., assignor to Floyd Wells Company, Royersford, Pa. Gas range. 139,481; Nov. 21.
Thygeson, Arthur T., Larchmont, N. Y., assignor to Floyd Wells Company, Royersford, Pa. Combination solid and fluid fuel range. 139,482; Nov. 21.
Thygeson, Arthur T., Larchmont, N. Y., assignor to Floyd Wells Company, Royersford, Pa. Combination solid and fluid fuel range. 139,493; Nov. 21.
Trombley, Bertrand N., Oak Park, assignor to The Murray Corporation of America, Detroit, Mich. Lavatory. 139,483; Nov. 21.
Walker, George W., Pleasant Ridge, assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich. House. 139,494; Nov. 21.
Westerman, Alexander. (See De Pasquale, J., and Westerman.)

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 21ST DAY OF NOVEMBER, 1944

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Adams, Clarence H., assignor to Cone Automatic Machine Company, Inc., Windsor, Vt. Double end tooling mechanism and attachment. 2,363,033; Nov. 21.
Adamson, Henry, London, England, assignor to Celanese Corporation of America. Ammunition chute. 2,363,219; Nov. 21.
Addressograph-Multigraph Corporation. (See Sullivan, George R., assignor.)
Adel Precision Products Corp. (See Ellinwood, Herman R., assignor.)
Adelson, Samuel L. (See Green, Walter H., and Adelson.)
Affleck, Gregor S., Pleasant Ridge, Mich. Recovery addition agent and making. 2,362,964; Nov. 21.
Agriculture, and his successors in office, United States of America as represented by Claude R. Wickard, Secretary of. (See Watson, Paul D., assignor.)
Air Reduction Company. (See Anderson, James L., assignor.)
Aktiengesellschaft Brown, Boveri & Cie. (See Meldahl, Axel, assignor.)
Alcorn, Joseph, Seminole, Okla. Silencing means for valve structures. 2,363,220; Nov. 21.
Alden, Herbert W., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Steering drive axle. 2,362,978; Nov. 21.
Alderfer, Sterling W., assignor of one-half to E. D. Andrews, Akron, Ohio. Making thread. 2,363,457; Nov. 21.
Alien Property Custodian. (See Bonnier, Claude E.)
Alien Property Custodian. (See Matteucci, Raffaele.)
Alien Proper Custodian. (See Nicolle, Charles A.)
Alien Property Custodian. (See Schürmann, M.-O., and Holtz.)
Alien Property Custodian. (See Welker, William.)
Allen, Gerald N. (See Murray, G. D., and Allen.)
Allen, Gwynne, Long Beach, Calif., assignor to Petrolite Corporation, Ltd., St. Louis, Mo. Composition of matter. 2,363,034; Nov. 21.
Allen, Gwynne, Long Beach, Calif., assignor to Petrolite Corporation, Ltd., St. Louis, Mo. Composition of matter. 2,363,035; Nov. 21.
Allen, Joseph F., Silver Spring, Md., assignor to The Warner & Swasey Company, Cleveland, Ohio. Clutch tap and die holder. 2,363,379; Nov. 21.
Allied Chemical & Dye Corporation. (See Engel, Karl H., assignor.)
Allied Chemical & Dye Corporation. (See Stasse, Henry L., assignor.)
Allin, George S. (See Brown, I. H., and Allin.)
Allis-Chalmers Manufacturing Company. (See Pfeiffer, Albert F., assignor.)
American Car and Foundry Company. (See Anchor, Charles J., assignor.)
American Car and Foundry Company. (See Christiansen, John, assignor.)
American Cyanamid Company. (See Cassaday, Jack T., assignor.)
American Metal Company, Limited. (See Graves, Ritson H., assignor.)
American Steel Foundries. (See Cottrell, Robert B., assignor.)
American Steel Foundries. (See Tack, Carl E., assignor.)
American Steel and Wire Company, The. (See Peskin, Leonard C., assignor.)
American Steel and Wire Company of New Jersey, The. (See Harter, Noah S., assignor.)
American Stove Company. (See Stockstrom, Arthur, assignor.)
Ammon, Edward R., Reading, Pa. Hosiery inspecting machine. 2,363,380; Nov. 21.
Anchor, Charles J., Buffalo, assignor to American Car and Foundry Company, New York, N. Y. Article carrier. 2,363,276; Nov. 21.
Anderson, Arthur A., Rose Township, Ramsey County, assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Adhesive tape dispenser and applier. 2,363,277; Nov. 21.
Anderson, James L., Closter, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Torch support. 2,363,036; Nov. 21.
Anderson, Martin E. (See Schiel, G. A., and Beren, assignors.)
Anderson, Philip P., Jr., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Refrigeration. 2,363,381; Nov. 21.
Anderson, Warren A., New Dorp, Staten Island, N. Y., assignor to Radio Corporation of America. Regeneration of telegraph signals. 2,363,278; Nov. 21.
Anderson, William T., assignor to Contour Saws, Incorporated, Des Plaines, Ill. Abrasive band. 2,362,979; Nov. 21.
Andrews, Edward D. (See Alderfer, Sterling W., assignor.)
Anglo-Iranian Oil Company Limited. (See Dunstan, A. E., and Birch, assignors.)
Anschicks, Rudolph J., Chicago, Ill., assignor to Protectoseal Company of America, Inc. Dump valve. 2,363,279; Nov. 21.
Armour and Company. (See Porsche, Jules D., and Sifferd, assignors.)
Arnold, Edwin E., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit controller. 2,363,280; Nov. 21.
Arnold, Gerald D., Wauwatosa, Wis. Preserving valuable elements of organic materials in dry storage. 2,363,037; Nov. 21.
Arnold, Gerald D., Wauwatosa, Wis. Apparatus and methods for treating pneumatically borne material. 2,363,281; Nov. 21.
Arnold, Gerald D., Wauwatosa, Wis. Temperature changing device. 2,363,282; Nov. 21.
Arrow-Hart & Hedgeman Electric Co., The. (See Foster, Uri D., assignor.)
Attwood, Charles W., Wayne, Mich. Scaffolding. 2,363,382; Nov. 21.
Autocall Company, The. (See Harrington, James R., assignor.)
Automotive Products Company Limited. (See Foster, Sidney, assignor.)
Aylsworth, Selden B., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical relay. 2,363,038; Nov. 21.
Bailey Meter Company. (See Ryder, John D., assignor.)
Baker, Benjamin P., Turtle Creek, and A. H. Bakken, Edgewood, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit interrupter. 2,363,283; Nov. 21.
Baker Perkins Limited. (See Tunley, Allan A., assignor.)
Bakken, Andrew H. (See Baker, B. P., and Bakken.)
Baldenhofer, William G., assignor to The Thompson Grinder Co., Springfield, Ohio. Surface grinder with auxiliary spindle. 2,363,039; Nov. 21.
Ball, Joseph A., assignor to Walt Disney Productions, Burbank, Calif. Cartoon cell and making same. 2,362,980; Nov. 21.
Bannon, Lewis A., assignor to Standard Oil Development Company, Baton Rouge, La. Polymerization of hydrocarbons. 2,363,221; Nov. 21.
Barnes, Thomas D., West Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Watthour meter. 2,363,284; Nov. 21.
Barney, Freeman. (See Lee, J. W., and Barney.)
Barthalot, Leon G., Buenos Aires, Argentina. Safety razor. 2,363,040; Nov. 21.
Bartholy, Frederick E., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Remote control. 2,363,285; Nov. 21.
Basic Magnesium, Incorporated. (See Weinig, Arthur J., assignor.)
Bauer, Walter, and C. T. Kautter, Darmstadt, Germany, assignors to Röhn & Haas Company, Philadelphia, Pa. Vinyl esters of unsaturated acids. 2,363,286; Nov. 21.
Baum, Cleophas P., Westgate, Md. Airplane lift dolly. 2,362,981; Nov. 21.
Bausch & Lomb Optical Company. (See Boughton, O. W., and Kurtz, assignors.)
Bausch & Lomb Optical Company. (See Gibson, Henry L., assignor.)
Bausch & Lomb Optical Company. (See Hutchings, Charles F., assignor.)
Bayer, Charles H., Wynnewood, Pa., assignor to General Electric Company. Electric switch. 2,363,287; Nov. 21.
Bell, David A., London, England, assignor to Radio Patents Corporation. Electrical apparatus. 2,363,288; Nov. 21.
Bell Telephone Laboratories, Incorporated. (See Hartley, Ralph V. L., assignor.)
Bendix Aviation Corporation. (See Reichel, Wladimir A., assignor.)
Bennett, Racy D., assignor to Vinco Corporation, Detroit, Mich. Hydraulic valve. 2,363,111; Nov. 21.
Bennett, Thomas R., London, England, assignor to R. Hoe & Co., Inc., New York, N. Y. Wew roll support. 2,363,112; Nov. 21.
Bennett, William O., Jr., Lancaster Township, Lancaster County, assignor to Hamilton Watch Company, Lancaster, Pa. Spring formation. 2,363,113; Nov. 21.

Beren, Gottlieb P. (See Schiel, G. A., and Brene.)
Berg, Harold I., et al. (See Frost, Roy H., assignor.)
Bergstein, Frank D., Cincinnati, Ohio. Moistureproofing cellulosic sheets. 2,363,289; Nov. 21.
Berkman, Boris, assignor to Milkweed Products Development Corporation, Chicago, Ill. Ginning milkweed. 2,362,965; Nov. 21.
Bertoldo, Joseph M., Malden, and H. S. Gregor, Somerville, Mass. Work-holding clamp. 2,363,383; Nov. 21.
Bertsch, Johann A., deceased, by the Manufacturers' Bank and Trust Company of St. Louis, St. Louis, Mo., executor. Apparatus for filling gas balloons and airships with light gases. 2,362,966; Nov. 21.
Best, Frank A., Windsor, Ontario, Canada. Buckle. 2,362,982; Nov. 21.
Beverlin, Robert S., assignor to The Hall Manufacturing Company, Toledo, Ohio. Grinding valve seats and similar areas. 2,363,384; Nov. 21.
Beyerstedt, Fred J., Plainfield, N. J., assignor to Standard Oil Development Company. Catalytic alkylation. 2,363,222; Nov. 21.
Birch, Stanley F. (See Dunstan, A. E., and Birch.)
Bivans, Elbert L., assignor to A. B. Cleveland, Los Angeles, Calif. Tire grooving apparatus. 2,362,967; Nov. 21.
Bixler, Milo E., assignor to The Hoover Company, North Canton, Ohio. Refrigeration. 2,363,385; Nov. 21.
Bliss, Lyman A., New York, and O. A. Hansen, Kenmore, assignors to The Linde Air Products Company, New York, N. Y. System for converting a liquefied gas into vapor. 2,362,968; Nov. 21.
Blosser, Herman G. (See Staples, C. E., and Blosser.)
Bock, Louis H., Huntingdon Valley, assignor to Röhm & Haas Company, Philadelphia, Pa. Electrolytic preparation of capillary-active quarternary ammonium hydroxides. 2,363,386; Nov. 21.
Bock, Louis H., Huntingdon Valley, assignor to Röhm & Haas Company, Philadelphia, Pa. Electrolytic process of preparing quarternary ammonium hydroxide. 2,363,387; Nov. 21.
Bodnar, Stephen, Cleveland, and W. S. Gaines, Chagrin Falls, assignors to Porcelain Steels, Inc., Cleveland, Ohio. Conduit connection for enameled tanks. 2,362,983; Nov. 21.
Boelter, Rudolph G., Chicago, Ill. Expansion nail or the like. 2,362,969; Nov. 21.
Bolland, William E., Nechells, Birmingham, assignor to L. H. Newton & Co. Ltd., Birmingham, England. Cold forging machine. 2,362,970; Nov. 21.
Bonnier, Claude E., Neuilly-sur-Seine, France; vested in the Alien Property Custodian. Carburetor. 2,363,223; Nov. 21.
Borden Company, The. (See Shipstead, H., and Brant, assignors.)
Bosch, Lester L., Cincinnati, Ohio. Vehicular speed responsive device. 2,362,971; Nov. 21.
Boshkoff, George J., Snyder, assignor to The Linde Air Products Company, New York, N. Y. Method and apparatus for dispensing and conserving gas material. 2,362,984; Nov. 21.
Boughton, Olin W., Victor, and H. F. Kurtz, assignors to Bausch & Lomb Optical Company, Rochester, N. Y. Optical instrument. 2,363,388; Nov. 21.
Boye, James H., assignor to J. H. Boye Manufacturing Company, Chicago, Ill. Repair device for chairs. 2,363,041; Nov. 21.
Boye, James H., Manufacturing Company. (See Boye, James H., assignor.)
Brant, Arthur P. (See Shipstead, H., and Brant.)
Brice, Albert L., assignor to Frederick Iron and Steel Company, Frederick, Md. Stoker operating mechanism. 2,363,389; Nov. 21.
Bridwell, Chalone E., Detroit, Mich. Improved bleeder valve. 2,363,290; Nov. 21.
Brittain, Samuel B., Penn Township, Allegheny County, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Drag-out mechanism for furnaces. 2,363,291; Nov. 21.
Britten, Edwin F., Jr., Short Hills, assignor to Monroe Calculating Machine Company, Orange, N. J. Setting device for registers. 2,363,114; Nov. 21.
Brocklebank, Alfred E., assignor to The Wellman Bronze-Aluminum Company, Cleveland, Ohio. Routing machine. 2,363,115; Nov. 21.
Brogdex Company. (See Cothran, Charles D., assignor.)
Bronander, Wilhelm B., Montclair, N. J. Forming and applying cooling fins to tubular members. 2,363,224; Nov. 21.
Brown Fintube Company. (See Brown, John W., Jr., assignor.)
Brown Instrument Company, The. (See Keeler, Earl A., assignor.)
Brown, Ivan H., and G. S. Allin, Seattle, Wash. Load carrying scraper. 2,363,225; Nov. 21.
Brown, John W., Jr., Lakewood, assignor to Brown Fintube Company, Elyria, Ohio. Heat exchanger. 2,362,985; Nov. 21.
Brown, Theophilus, assignor to Deere & Company, Moline, Ill. Controlling mechanism for agricultural implements. 2,363,292; Nov. 21.
Brownback, Henry L., Norristown, Pa. Gas burners. 2,362,972; Nov. 21.
Brund, Johan A., assignor to Svenska Cellulosa Aktiebolaget, Stockholm, Sweden. Making wall plates and the like. 2,363,226; Nov. 21.
Bruner, Frank H., Beacon, assignor to The Texas Company, New York, N. Y. Alkylation of hydrocarbons. 2,363,116; Nov. 21.
Bryant Chucking Grinder Company. (See Moore, Willis F., assignor.)
Budd, Edward G., Manufacturing Company. (See Pancoe, George W., assignor.)
Budzyna, Walter J., East Douglas, assignor to Draper Corporation, Hopedale, Mass. Checking picker sticks. 2,363,458; Nov. 21.
Budzyna, Walter J., East Douglas, assignor to Draper Corporation, Hopedale, Mass. Picker stick checking mechanism. 2,363,459; Nov. 21.
Buehl, Russell C., Wilkinsburg, assignor to Plastic Metals, Inc., Johnstown, Pa. Rotary kiln. 2,363,390; Nov. 21.
Buensod-Stacey. (See Waterfill, Robert W., assignor.)
Bunn, B. H., Company. (See Bunn, Benjamin H., assignor.)
Bunn, Benjamin H., assignor to B. H. Bunn Company, Chicago, Ill. Tying machine. 2,363,391; Nov. 21.
Buquor, Adolph P., Washington, D. C. Clamping device. 2,363,392; Nov. 21.
Burgess-Manning Company. (See Leadbetter, Ralph L., assignor.)
Burkholder, Paul R., New Haven, Conn., assignor to Research Corporation, Borough of Manhattan, New York, N. Y. Fermentation process for the production of riboflavin (vitamin B_2). 2,363,227; Nov. 21.
Burnett, Marie C., executrix. (See Burnett, Richard W., assignor.)
Burnett, Richard W., Chicago, Ill., M. C. Burnett, Executrix, assignor to Marie C. Burnett. Railroad car hand brake. 2,363,393; Nov. 21.
Busk, Robert S., assignor to The Dow Chemical Company, Midland, Mich. Heat treatment of magnesium alloys. 2,363,394; Nov. 21.
Butler, Beryl M., assignor to Pan American Refining Corporation, Texas City, Tex. Electrically responsive pressure release means. 2,363,117; Nov. 21.
Buxbaum, Edwin C., Media, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Dyes of the anthraquinone series. 2,363,042; Nov. 21.
Byrnes, Clarence P., trustee. (See James, Joseph H., assignor.)
Cade, John W., La Canada, Calif., assignor to Sturgess, Inc., Glendale, Calif. Cable tension regulator. 2,363,228; Nov. 21.
Cade, John W., La Canada, Calif., assignor to Sturgess, Inc., Glendale, Calif. Cable tension regulator. 2,363,229; Nov. 21.
Calia, Victor N., Brooklyn, N. Y. Making pies. 2,363,395; Nov. 21.
Campbell, Erwin A. (See Woolslayer, H. J., Campbell, and Jenkins.)
Carborndum Company, The. (See Robie, Norman P., assignor.)
Carlsen, Leonard O., assignor to Gleason Works, Rochester, N. Y. Dressing mechanism. 2,363,293; Nov. 21.
Carlson, Elmer T., Fort Mitchell, Ky., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Electrical distribution system. 2,363,396; Nov. 21.
Carrier Corporation. (See Carrier, Willis H., assignor.)
Carrier, Willis H., assignor to Carrier Corporation, Syracuse, N. Y. Air conditioning system. 2,363,294; Nov. 21.
Cassaday, Jack T., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Noncrystallizing rosin size and making the same. 2,362,973; Nov. 21.
Cate, Thomas M., and R. E. Jones, Knoxville, Tenn., assignors to The Sanford Investment Company, Wilmington, Del. Drop-bottom mine car. 2,362,986; Nov. 21.
Caterpillar Tractor Co. (See Eberhard, Harmon S., assignor.)
Celanese Corporation of America. (See Adamson, Henry, assignor.)
Celanese Corporation of America. (See Seymour, G. W., and White, assignors.)
Challenge Machinery Company, The (See Lee, J. W., and Barney, assignors.)
Chamberlain, Joseph W., Zeeland, Mich. Apparatus for heating fluids. 2,363,118; Nov. 21.
Chicago Rawhide Manufacturing Company. (See Krug, Louis G., assignor.)
Christiansen, John, Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y. Welded bolster center filler. 2,363,397; Nov. 21.
Church, Joseph H., Austin, Minn., and G. J. Kessenich, Madison, Wis. Fuse. 2,362,987; Nov. 21.
Clark Equipment Company. (See Ekins, William J. S., assignor.)
Clark, Victor R., Chicago, Ill. V-belt and fastener. 2,363,043; Nov. 21.
Cleveland, Arch B. (See Bivans, Elbert L., assignor.)
Clifford, Albert M., Stow, assignor to Wingfoot Corporation, Akron, Ohio. Esters of acrylic acids. 2,363,044; Nov. 21.
Cohen, David I., Los Angeles, Calif. Brassière. 2,362,974; Nov. 21.
Coleman Lamp and Stove Company, The. (See Tullis, Boyd W., assignor.)

Comb, Raymond L., Port Huron, assignor to Taine G. McDougal, Flint, Mich. Hydraulic seal. 2,362,975; Nov. 21.
Commercial Solvents Corporation. (See Morey, Glen H., assignor.)
Commercial Solvents Corporation. (See Senkus, Murray, assignor.)
Condon, Robert S., Rutland, and W. H. Williams, Poultney, Vt. Vise. 2,363,230; Nov. 21.
Cone Automatic Machine Company. (See Adams, Clarence H., assignor.)
Connolly, Gerald C., Baton Rouge, La., assignor to Standard Oil Development Company. Using cracking catalysts. 2,363,231; Nov. 21.
Continental Can Company. (See O'Brien, Frank J., assignor.)
Continental Can Company. (See Punte, William F., assignor.)
Contour Saws, Incorporated. (See Anderson, William T., assignor.)
Conzetti, Achille, Basel, and O. Schmid, Muttenz, near Basel, assignors to J. R. Geigy A. G., Basel, Switzerland. Mordant triazole dyestuffs and making the same. 2,362,988; Nov. 21.
Cook Bros. (See Harbers, H. C., and Cook, assignors.)
Cook, Howard F. (See Harbers, H. C., and Cook.)
Cooley, Austin G., assignor to Times Telephoto Equipment Inc., New York, N. Y. Facsimile machine. 2,363,398; Nov. 21.
Coons, Curtis C., assignor to The Hoover Company, North Canton, Ohio. Refrigeration. 2,363,399; Nov. 21.
Coons, Curtis C., assignor to The Hoover Company, North Canton, Ohio. Refrigeration. 2,363,400; Nov. 21.
Cooper, Harry G., West Medford, Mass., assignor to The Prosperity Company, Inc., Syracuse, N. Y. Garment folding machine. 2,362,976; Nov. 21.
Cothran, Charles D., Pomona, Calif., assignor, by mesne assignments, to Brodgdex Company. Processes of and compositions for protectively coating fresh fruits or vegetables. 2,363,232; Nov. 21.
Cotter, James L., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit interrupter. 2,363,295; Nov. 21.
Cottrell, Robert B., assignor to American Steel Foundries, Chicago, Ill. Car truck. 2,362,989; Nov. 21.
Cowin and Company. (See Cowin, James, assignor.)
Cowin, James, deceased; M. P. Cowin and Northwestern National Bank of Minneapolis, administrators, assignors to Cowin and Company, Minneapolis, Minn. Securing means for insulating panels. 2,363,296; Nov. 21.
Cowin, Marion P., administrator, et al. (See Cowin, James.)
Crane, Carl J., and R. K. Stout, Dayton, Ohio. Navigational control means. 2,363,401; Nov. 21.
Crane, Walton B., Los Angeles, Calif.; said Crane assignor to Morris Paper Mills, Chicago, Ill. Bottle holder. 2,362,990; Nov. 21.
Crompton & Knowles Loom Works. (See Santon, Elliot A., assignor.)
Crompton & Knowles Loom Works. (See Turner, Richard G., assignor.)
Crossman, Kenneth W., Willow Grove, assignor to The Edwin H. Fitler Co., Philadelphia, Pa. Metering pump. 2,363,119; Nov. 21.
Crosthwait, David N., Chicago, Ill., and E. W. Werts, Michigan City, Ind., assignors to C. A. Dunham, Marshalltown, Iowa. Resistance type temperature controlling and indicating system. 2,362,977; Nov. 21.
Cutler-Hammer, Inc. (See Lightfoot, E. N., and Rosing, assignors.)
Dahl, Raymond E., United States Navy. Tail wheel lifting adaptor for fork type tail wheels. 2,362,991; Nov. 21.
D'Alelio, Gaetano F., Pittsfield, Mass., assignor to General Electric Company. Synthetic compositions produced by acetalizing and/or ketalizing hydrolyzed copolymers of vinyl organic esters and polyvinyl aryl compounds. 2,363,297; Nov. 21.
Dalton, George F., II, Cleveland Heights, Ohio. Structural unit. 2,363,233; Nov. 21.
Danciger Oil and Refineries, Inc. (See Hall, John L., assignor.)
Daniels, Gordon E., Nashville, Tenn. Dirt scraping apparatus. 2,363,402; Nov. 21.
Daniels, Lee G., Rockford, Ill. Water treatment apparatus. 2,363,167; Nov. 21.
Deep Wells, Inc. (See Lindgren, Robert M., assignor.)
Deere & Company. (See Brown, Theophilus, assignor.)
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Certain water-soluble high molal oxyalkylated esters. 2,363,045; Nov. 21.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Certain water-soluble high molal oxyalkylated esters. 2,363,046; Nov. 21.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Certain water-soluble high molal oxyalkylated esters and making same. 2,363,047; Nov. 21.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Certain water-soluble high molal oxyalkylated esters and making same. 2,363,048; Nov. 21.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Certain water-soluble high molal oxyalkylated esters and making same. 2,363,049; Nov. 21.
De Napoli, Anthony C., Jr., Mount Vernon, assignor, by mesne assignments, to Films, Incorporated, New York, N. Y. Continuous film magazine. 2,363,403; Nov. 21.
Dentzler, William G., Jr., Chicago, Ill. Drafting device. 2,362,992; Nov. 21.
De Rosset, Armand J., assignor to Universal Oil Products Company, Chicago, Ill. Solvent extraction. 2,363,298; Nov. 21.
Detrola Corporation. (See Nirdlinger, John, assignor.)
De Vilbiss Company, The. (See Schmitt, Joy B., assignor.)
Dewey, Clarence L., Elkhart, Ind. Making tubular turnbuckles. 2,363,050; Nov. 21.
Doll, Henri-Georges, assignor to Schlumberger Well Surveying Corporation, Houston, Tex. Delayed action fuse. 2,363,234; Nov. 21.
Dome, Robert B., Bridgeport, Conn., assignor to General Electric Company. Television signal translating circuit. 2,363,299; Nov. 21.
Donath, Ralph. (See Lau, A. J., and Donath.)
Dorr Company, The. (See Grothe, John D., assignor.)
Dosmann, Lucian P., Mishawaka, Ind., assignor to United States Rubber Company, New York, N. Y. Making cellular rubber. 2,363,051; Nov. 21.
Douglas Aircraft Company. (See Parker, Richard T., assignor.)
Dow Chemical Company, The. (See Busk, Robert S., assignor.)
Drake, Henry G., and J. L. Wingate, Gastonia, N. C. Machine for making double loop hook and tie bands. 2,363,404; Nov. 21.
Draper Corporation. (See Budzyna, Walter J., assignor.)
Draper Corporation. (See Hancock, Quincy M., assignor.)
Drew, William F., Los Angeles, Calif. Oven. 2,363,120; Nov. 21.
Dun & Bradstreet, Inc. (See Garrett, Arthur, assignor.)
Dunham, C. A. (See Crosthwait, David N., Jr., assignor.)
Dunstan, Albert E., London, and S. F. Birch, Sunbury-on-Thames, assignors, by mesne assignments, to Anglo-Iranian Oil Company Limited, London, England. Production of motor fuel. 2,363,300; Nov. 21.
Dunstan, Albert E., London, and S. F. Birch, Sunbury-on-Thames, assignors, by mesne assignments, to Anglo-Iranian Oil Company, London, England. Production of motor fuel. 2,363,301; Nov. 21.
Du Pont, E. I., de Nemours & Company. (See Buxbaum, Edwin C., assignor.)
Du Pont, E. I., de Nemours & Company. (See Lee, H. R., and Young, assignors.)
Eagle Chemical Co. (See Schlesinger, Joseph H., assignor.)
Eames, William F., Westfield, assignor to Westinghouse Electric Elevator Company, Jersey City, N. J. Elevator control system. 2,363,302; Nov. 21.
Eaton Manufacturing Company. (See Findley, Howard J., assignor.)
Eberhard, Harmon S., Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif. Tractor. 2,363,052; Nov. 21.
Edwards, William S., Hamden, assignor to Sargent & Company, New Haven, Conn. Sliding door hanger. 2,363,121; Nov. 21.
Ehrgott, Karl, Baltimore, Md., and A. C. Hagg, Forest Hills, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Vibration pickup. 2,363,303; Nov. 21.
Eichelberger, James K., Austin, Tex. Building construction. 2,363,405; Nov. 21.
Ekins, William J. S., assignor to Clark Equipment Company, Buchanan, Mich. Forming axle housings. 2,363,304; Nov. 21.
Electricooker, Inc. (See Smith, Graydon, assignor.)
Ellinwood, Herman R., assignor to Adel Precision Products Corp., Burbank, Calif. Control valve. 2,363,235; Nov. 21.
Elliott, Keith N. (See Jaquith, G. D., and Elliott.)
Engel, Karl H., Teaneck, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Purification of piperidine. 2,363,159; Nov. 21.
Epiphone Inc. (See Moorhouse, Ben, assignor.)
Erickson, Edwin R. (See Michalek, J. C., and Erickson.)
Etten, Nicholas L., Waterloo, Iowa. Three roll wringer. 2,363,122; Nov. 21.
Eureka Vacuum Cleaner Company. (See Jaquith, G. D., and Elliott, assignors.)
Eureka Vacuum Cleaner Company. (See Sherrer, J. M., Severance, and Huntington, assignors.)
Facks, William, Egham Hythe, Egham, England. Automatic lathe. 2,363,053; Nov. 21.
Faulk, Donald P., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electronic control system. 2,363,305; Nov. 21.

Fell, Raymond E. (See Miller, J. W., and Fell.)
Ferrier, Otis G., Fort Wayne, Ind. Encasement for wire drawing dies. 2,363,406; Nov. 21.
Fields, Frank D., and G. D. Wood, assignors to Posture Research Corporation, Elkhart, Ind. Chair. 2,363,054; Nov. 21.
Films, Incorporated. (See De Napoli, Anthony C., Jr., assignor.)
Findley, Howard J., Shaker Heights, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Heater. 2,363,168; Nov. 21.
Fischer, William H., Des Plaines, assignor to National Stamping & Electric Works, Chicago, Ill. Bread toaster. 2,363,169; Nov. 21.
Fiske, Jonathan P. B., Newton, Mass. Making flame coloring sticks. 2,363,306; Nov. 21.
Fitler, Edwin H., Co., The. (See Crossman, Kenneth W., assignor.)
Flaws, John, Jr., East Cleveland, Ohio, assignor to General Electric Company. Coating apparatus. 2,363,055; Nov. 21.
Fleischer, Gerhard A., and E. Schwenk, Montclair, assignors to Schering Corporation, Bloomfield, N. J. Separation of the hormone and hormonelike components of the pituitary gland. 2,362,993; Nov. 21.
Florschutz, Fritz E., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit interrupter. 2,363,307; Nov. 21.
Fluor Corporation, Ltd., The. (See Fluor, Peter E., assignor.)
Fluor, Peter E., Santa Ana, assignor to The Fluor Corporation, Ltd., Los Angeles, Calif. Air-cooled muffler. 2,363,236; Nov. 21.
Focht, Nevin S., Syracuse, N. Y. Shock absorber. 2,363,308; Nov. 21.
Fontaine, Robert A., Roanoke, Va. Trailer body and floor construction. 2,363,170; Nov. 21.
Foster, Sidney, assignor to Automotive Products Company Limited, Leamington Spa, England. Liquid damped telescopic shock absorber strut. 2,363,125; Nov. 21.
Foster, Uri D., assignor to The Arrow-Hart & Hegeman Electric Co., Hartford, Conn. Trimming press and die arrangement for same. 2,363,407; Nov. 21.
Francis, Alfred W., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Treating petroleum derivatives and products thereof. 2,363,171; Nov. 21.
Franck, George E., Riverside, assignor to The Imperial Brass Manufacturing Company, Chicago, Ill. Liquid shutoff valve. 2,363,123; Nov. 21.
Frankenberg Bros., Inc. (See Klein, Clarence F., assignor.)
Frankenberg Bros., Inc. (See Scott, Arthur L., assignor.)
Franks, John M., Joplin, Mo. Truck body mount. 2,363,172; Nov. 21.
Frederick Iron and Steel Company. (See Brice, Albert L., assignor.)
Fredericksen, James P., Quincy, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Rounding machine. 2,363,124; Nov. 21.
Friedman, Bernard S., and R. F. Stedman, assignors to Universal Oil Products Company, Chicago, Ill. Separation of an unsaturated hydrocarbon from a mixture containing the same. 2,363,309; Nov. 21.
Frischknecht, Ernest, Jackson Heights, assignor to The Teleregister Corporation, New York, N. Y. Indicating device. 2,363,056; Nov. 21.
Fritz, Dwain E., Wapakoneta, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Delayed-start connection for electric motors. 2,363,310; Nov. 21.
Frost, Roy H., Fresno, assignor of one-fourth to E. J. Harp, Corcoran, one-fourth to L. F. Thornburgh, and one-fourth to H. I. Berg, Fresno, Calif. Self-loading dump truck. 2,362,994; Nov. 21.
Fuller, Norbert L., Tampa, Fla. Instrument for computing firing data. 2,363,173; Nov. 21.
Gaines, Walter S. (See Bodnar, Stephen T., and Gaines.)
Gallop, Joseph W., assignor to Key Company, East St. Louis, Ill. Plug type pipe closure. 2,363,408; Nov. 21.
Garrett, Arthur, Bethel, Conn., assignor to Dun & Bradstreet, Inc. Planographic printing plate. 2,363,311; Nov. 21.
Gavin, Patrick, Brooklyn, N. Y. Combined pump and siphon system. 2,363,312; Nov. 21.
Gavin, Patrick J., Brooklyn, N. Y. Combined pumping and siphoning system for liquids. 2,363,313; Nov. 21.
Gaylord, William B., assignor to North American Philips Company, Inc., Dobbs Ferry, N. Y. Electrical measuring device. 2,363,057; Nov. 21.
Gaynor, James W. (See Loane, C. M., and Gaynor.)
Geigy, J. R., A. G. (See Conzetti, A., and Schmid, assignors.)
Geigy, J. R., A. G. (See Martin, H., Zaeslin, Hirt, Glatthaar, and Staub, assignors.)
General Controls Co. (See Matteson, Harold J., assignor.)
General Electric Company. (See Bayer, Charles H., assignor.)
General Electric Company. (See D'Alelio, Gaetano F., assignor.)
General Electric Company. (See Dome, Robert B., assignor.)
General Electric Company. (See Flaws, John, Jr., assignor.)
General Electric Company. (See Hanson, David H., assignor.)
General Electric Company. (See Hodgkins, R. L., and Lewis, assignors.)
General Electric Company. (See Keiffer, Lawrence R., assignor.)
General Electric Company. (See Lait, James R., assignor.)
General Electric Company. (See Lemmers, Eugene, assignor.)
General Electric Company. (See Moe, William W., assignor.)
General Electric Company. (See Ramo, Simon, assignor.)
General Electric Company. (See Schoenfeldt, Herman R., assignor.)
General Electric Company. (See Wild, Albert F., assignor.)
General Motors Corporation. (See Jacobs, James W., assignor.)
General Motors Corporation. (See McDorman, William P., assignor.)
General Steel Castings Corporation. (See Pflager, Harry M., assignor.)
Gibson, Archie C., Baltimore, Md. Drive for landing gear wheels of airplanes. 2,363,126; Nov. 21.
Gibson, Henry L., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Fine adjustment mechanism. 2,363,409; Nov. 21.
Gilbert, Clyde L., Elkhart, Ind., assignor to Morris Paper Mills, Chicago, Ill. One-piece, handled bottle carrier. 2,362,995; Nov. 21.
Gill, Edwin R., Sr., Hastings-on-Hudson, N. Y. Bellows type pump. 2,363,410; Nov. 21.
Gill, Florence B., Streator, Ill. Knee protector. 2,363,058; Nov. 21.
Gillette Safety Razor Company. (See Stampleman, S. C., and Testi, assignors.)
Glatthaar, Curt. (See Martin, H., Zaeslin, Hirt, Glatthaar, and Staub.)
Gleason Works. (See Carlsen, Leonard O., assignor.)
Glidden Company, The. (See Oertling, Paul, assignor.)
Golber, Hyman E., assignor to Multi-Sort Systems Incorporated, Chicago, Ill. Slotting machine. 2,363,314; Nov. 21.
Goldschmidt, Max, assignor to Metalastik Limited, Leicester, England. Flexible coupling, flexible mounting, and the like. 2,363,469; Nov. 21.
Goodrich, B. F., Company, The. (See Greene, C. W., and Habermaier, assignors.)
Goodrich, B. F., Company, The. (See Ryan, George K., assignor.)
Goodwin, Ray W., Cuyahoga Falls, Ohio. Quick-acting or speed chuck. 2,363,411; Nov. 21.
Gossling, Clement E. and J. A. Smith, Toronto, Ontario, Canada, assignors to Rogers Majestic Corporation, Dover, Del. Engine starting device. 2,363,412; Nov. 21.
Graves, Ritson H., Westfield, N. J., assignor to The American Metal Company, Limited, New York, N. Y. Removal of iron from tin. 2,363,127; Nov. 21.
Green, John C. (See Lau, A. J., and Donath, assignors.)
Green, Samuel G., Gray, Ga. Recoil check and barrel accelerator for automatic weapons. 2,362,996; Nov. 21.
Green, Vernon L. (See Nystrom, Karl F., and Green.)
Green, Walter H., Batavia, and S. L. Adelson, assignors to Infilco Incorporated, Chicago, Ill. Actuator control. 2,363,174; Nov. 21.
Greene, Charles W., and R. A. Habermaier, Toledo, Ohio, assignors, by mesne assignments, to The B. F. Goodrich Company. Core for golf balls or the like and making. 2,363,059; Nov. 21.
Greenleaf, Robert M., and J. L. Hunt Grosse Pointe, Mich., assignors to the M. L. Trust, F. R. Pendleton, trustee, Everett, Wash. Gauge. 2,363,060; Nov. 21.
Gregor, Harold S. (See Bertoldo, J. M., and Gregor.)
Griffin, Harry L., Rockville Centre, assignor to Nestle's Milk Products, Inc., New York, N. Y. Testing filled containers. 2,362,997; Nov. 21.
Grossman, Frederick M., New York, N. Y. Electrically and acoustically excited hearing aid. 2,363,175; Nov. 21.
Grothe, John D., Weston, Conn., assignor to The Dorr Company, New York, N. Y. Treating lateritic ores. 2,363,315; Nov. 21.
Guenzel, Ernest G. and M. S. Kiss, Cleveland, Ohio. Variable time current interrupter for control of furnaces. 2,363,413; Nov. 21.
Gunz, Johanna, Chicago, Ill., assignor to Infilco Incorporated. Sewage treatment process and apparatus. 2,363,176; Nov. 21.
Habermaier, Reinhard A. (See Greene, C. W., and Habermaier.)
Hadley, Wilfred N., Springfield, Vt., assignor to Parks and Woolson Machine Company. Teasel gig. 2,363,414; Nov. 21.
Haffner, Joseph B., deceased, Buffalo, N. Y.; M. E. Haffner, administratrix. Method and apparatus for filling portable tanks. 2,363,177; Nov. 21.
Haffner, Mary E., administratrix. (See Haffner, Joseph B.)
Hagg, Arthur C. (See Ehrgott, K., and Hagg.)

Hagg, Arthur C., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Vehicle wheel balancing. 2,363,316; Nov. 21.
Hall, John L., Charleston, W. Va., assignor of one-half to Danciger Oil and Refineries, Inc., Fort Worth, Tex. Apparatus for fractionating natural gas. 2,363,317; Nov. 21.
Hall Manufacturing Company, The. (See Beverlin, Robert S., assignor.)
Hamilton Watch Company. (See Bennett, William O., Jr., assignor.)
Hamilton Watch Company. (See Heffelfinger, Robert D., assignor.)
Hamilton Watch Company. (See Mentzer, Ralph B., assignor.)
Hammermill Paper Company. (See Jackson, D. T., and Parsons, assignors.)
Hancock, Quincy M., Atlanta, Ga., assignor to Draper Corporation, Hopedale, Mass. Filling fork grate. 2,363,460; Nov. 21.
Hanna, Raymond P., and B. A. Rose, Wilkinsburg, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Insulated hanger. 2,363,318; Nov. 21.
Hansen, Odd A. (See Bliss, L. A., and Hansen.)
Hanson, David H., Erie, Pa., assignor to General Electric Company. Lock washer. 2,363,319; Nov. 21.
Hanville, Scott H., Jr. (See Harding, W. R., and Hanville.)
Harbers, Henry C., and H. F. Cook, assignors to Cook Bros., Los Angeles, Calif. Motor vehicle. 2,363,178; Nov. 21.
Harding, William R., Murrysville, Pa., and S. H. Hanville, Jr., Huron, Ohio, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Series variable speed drive. 2,363,320; Nov. 21.
Harding, William R., Export, Pa., and S. H. Hanville, Jr., Huron, Ohio, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Motor control system. 2,363,321; Nov. 21.
Harp, Edward J., et al. (See Frost, Roy H., assignor.)
Harrington, Ferris T., Detroit, K. Seidel, Grosse Pointe Farms, Mich., and R. A. Shartle, Rockford, Ill., assignors to Vickers Incorporated, Detroit, Mich. Power transmission. 2,363,179; Nov. 21.
Harrington, James R., Mansfield, assignor to The Autocall Company, Shelby, Ohio. Supervisory control system. 2,363,061; Nov. 21.
Harshberger, Russell P., Altadena, Calif. Razor. 2,362,998; Nov. 21.
Harter, Noah S., Waukegan, Ill., assignor to The American Steel and Wire Company of New Jersey. Hardware and screen cloth machine. 2,363,415; Nov. 21.
Hartford National Bank and Trust Company, trustee. (See van der Heem, Jan, assignor.)
Hartley, Ralph V. L., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 2,363,062; Nov. 21.
Harvey, Jacquelin E., Jr., Washington, D. C., assignor of one-half to Southern Wood Preserving Company, East Point, Ga. Production of useful materials. 2,363,237; Nov. 21.
Harvey, Jacquelin E., Jr., Washington, D. C., and R. H. White, Jr., and J. A. Vaughan, Atlanta, assignors of one-half to said Harvey, Jr., and one-half to Southern Wood Preserving Company, East Point, Ga. Producing useful products. 2,363,238; Nov. 21.
Harvey, Jacquelin E., Jr., Washington, D. C., and R. H. White, Jr., and J. A. Vaughan, Atlanta, assignors of one-half to said Harvey, Jr., and one-half to Southern Wood Preserving Company, East Point, Ga. Producing valuable materials. 2,363,239; Nov. 21.
Harvey, Jacquelin E., Jr., Washington, D. C., and R. H. White, Jr., and J. A. Vaughan, Atlanta, assignors of one-half to said Harvey, Jr., and one-half to Southern Wood Preserving Company, East Point, Ga. Reforming materials and product thereof. 2,363,240; Nov. 21.
Harvey, Jacquelin E., Jr., Washington, D. C., and R. H. White, Jr., and J. A. Vaughan, Atlanta, assignors of one-half to said Harvey, Jr., and one-half to Southern Wood Preserving Company, East Point, Ga. Useful products and producing them. 2,363,241; Nov. 21.
Harvey, Jacquelin E., Jr., Washington, D. C., and R. H. White, Jr., and J. A. Vaughan, Atlanta, assignors of one-half to said Harvey, Jr., and one-half to Southern Wood Preserving Company, East Point, Ga. Providing a new product. 2,363,242; Nov. 21.
Harvey, Jacquelin E., Jr., Washington, D. C., and R. H. White, Jr., and J. A. Vaughan, Atlanta, assignors of one-half to said Harvey, Jr., and one-half to Southern Wood Preserving Company, East Point, Ga. Inducing toxicity and product thereof. 2,363,243; Nov. 21.
Harvey, Jacquelin E., Jr., Washington, D. C., and R. H. White, Jr., and J. A. Vaughan, Atlanta, assignors of one-half to said Harvey, Jr., and one-half to Southern Wood Preserving Company, East Point, Ga. Toxic material. 2,363,244; Nov. 21.
Harvey, Jacquelin E., Jr., Washington, D. C., and R. H. White, Jr., and J. A. Vaughan, Atlanta, assignors of one-half to said Harvey, Jr., and one-half to Southern Wood Preserving Company, East Point, Ga. Conversion of materials. 2,363,245; Nov. 21.
Haugner, William, Fond du Lac, Wis. Bottle carrier. 2,363,180; Nov. 21.
Hawley, Jesse B. (See Young, Serenus H. A., assignor.)
Headon, Frank, New York, N. Y. Fastener. 2,363,322; Nov. 21.
Heffelfinger, Robert D., Reading, assignor to Hamilton Watch Company, Lancaster, Pa. Grinding machine. 2,363,128; Nov. 21.
Heitmann, John, Brooklyn, N. Y. Airplane. 2,363,129; Nov. 21.
Hemminger, Charles E., assignor to Standard Oil Development Company, Westfield, N. J. Distillation apparatus. 2,363,246; Nov. 21.
Henroteau, François C. P., Ottawa, Ontario, Canada. Vehicle position indicating means. 2,363,416; Nov. 21.
Hercules Powder Company. (See Kirkpatrick, William J., assignor.)
Hercules Powder Company. (See Lawrence, Robert W., assignor.)
Hewitt, Elmer S., Wilmette, Ill. Screwhead. 2,362,999; Nov. 21.
Heywood, Vincent E., Worcester, assignor to United States Envelope Company, Springfield, Mass. Method of and apparatus for making zigzag or fan-folded assemblies of series connected envelopes. 2,363,417; Nov. 21.
Hildebrecht, Charles V., Chicago, Ill., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Safety shutoff device. 2,363,063; Nov. 21.
Hill, Lawrence R., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. High-pressure laminated material. 2,363,323; Nov. 21.
Hill, Lawrence R., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electrical insulation. 2,363,324; Nov. 21.
Hirt, Rudolf. (See Martin, H., Zaeslin, Hirt, Glatthaar, and Staub.)
Hitchcock, Albert E., and P. W. Zimmerman, Yonkers, N. Y., assignors to Boyce Thompson Institute for Plant Research, Inc. Treatment of plants. 2,363,325; Nov. 21.
Hodgkins, Charles H., Fairfield, Conn., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric heating apparatus. 2,363,326; Nov. 21.
Hodgkins, Raymond L., Yeadon, and F. W. Lewis, Aldan, Pa., assignors to General Electric Company. Electric panel board. 2,363,327; Nov. 21.
Hoe, R., & Co. Inc. (See Bennett, Thomas R., assignor.)
Hofing, Fred H., Sharpsville, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Strap stretching device. 2,363,328; Nov. 21.
Hofmann, Alfred, Inc. (See Hofmann, A., and Wachtler, assignors.)
Hofmann, Alfred, Palisade, and F. M. Wachtler, assignors to Alfred Hofmann, Inc., West New York, N. Y. Forming of welts in straight knitting machines. 2,363,000; Nov. 21.
Holder, Clinton H., assignor to Standard Oil Development Company, Cranford, N. J. Degassing of liquids. 2,363,247; Nov. 21.
Holtz, Johann D. (See Schürmann, M.-O., and Holtz.)
Hoover Company, The. (See Bixler, Milo E., assignor.)
Hoover Company, The. (See Coons, Curtis C., assignor.)
Hoover Company, The. (See Osborn, Ralph C., assignor.)
Hoover Company, The. (See Siedle, Arnold D., assignor.)
Hoover Company, The. (See Swann, Edward R., assignor.)
Hopkins, Arthur G., Maspeth, N. Y., assignor to National Can Corporation, New York, N. Y. Vacuum can seamer. 2,363,248; Nov. 21.
Horn, Harry J. (See Hunt, J. H., and Horn.)
Horsfield, Basil, assignor, by mesne assignments, to Edwin L. Wiegand Company, Pittsburgh, Pa. Electrical heating element. 2,363,130; Nov. 21.
Horsfield, Basil, assignor, by mesne assignments, to Edwin L. Wiegand Company, Pittsburgh, Pa. Making electrical heating elements. 2,363,329; Nov. 21.
Hosmer, George H., Arlington, Mass. Display device and holder for price tags and advertising cards. 2,363,418; Nov. 21.
Household Finance Corporation. (See King, Donald H., assignor.)
Howard, Giles P. E., Amersham, England. Submersible pump. 2,363,419; Nov. 21.
Howard, Giles P. E., Coleshill, Amersham, England. Submersible pump. 2,363,420; Nov. 21.
Howland, Walter L., Pasadena, Calif., assignor to Lockheed Aircraft Corporation, Burbank, Calif. Strain gauge. 2,363,181; Nov. 21.
Huard, Clair A., Detroit, Mich. Boat hull. 2,363,421; Nov. 21.
Hughes, Everett C., Cleveland Heights, assignor to The Standard Oil Company, Cleveland, Ohio. Nonvolatile hydrocarbon products. 2,363,001; Nov. 21.
Hughes Tool Company. (See Scott, Floyd L., assignor.)
Hunt, J. Harold, and H. J. Horn, assignors to Motor Wheel Corporation, Lansing, Mich. Vehicle wheel. 2,363,182; Nov. 21.

Hunt, J. Harold, and H. J. Horn, assignors to Motor Wheel Corporation, Lansing, Mich. Vehicle wheel. 2,363,183; Nov. 21.
Hunt, John L. (See Greenleaf, R. M.)
Huntington, Ephraim S. (See Sherrer, J. M., Severance, and Huntington.)
Huntsman, Francis D., assignor to Huntsman Welding Shield Company, Salt Lake City, Utah. Welder's mask. 2,363,461; Nov. 21.
Huntsman Welding Shield Company. (See Huntsman, Francis D., assignor.)
Hutchings, Charles F., Perinton, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Protecting light transmitting elements. 2,363,422; Nov. 21.
Hutchinson, George R., Ruxton, Md., assignor to Ray V. Watson, Baltimore, Md. Protector for use with parachutes. 2,363,249; Nov. 21.
Imperial Brass Manufacturing Company, The. (See Franck, George E., assignor.)
Inflico Incorporated. (See Green, Walter H., and Adelson, assignors.)
Inflico Incorporated. (See Gunz, Johanna, assignor.)
Inland Wire Products Company. (See Johnson, Eric A., assignor.)
Innis, Speiden & Co. (See Ladd, Edward T., assignor.)
Israel, David P., Boston, Mass. Cleaning pad. 2,363,064; Nov. 21.
Jackson, Donald T., and J. L. Parsons, assignors to Hammermill Paper Company, Erie, Pa. Safety paper and preparation thereof. 2,363,330; Nov. 21.
Jacobs, James W., assignor to General Motors Corporation, Dayton, Ohio. Domestic appliance. 2,363,184; Nov. 21.
James, Joseph H., assignor to Clarence P. Byrnes, trustee, Pittsburgh, Pa. Making motor fuel. 2,363,331; Nov. 21.
Jaquith, George D., and K. N. Elliott, Minneapolis, Minn., assignors to Eureka Vacuum Cleaner Company, Detroit, Mich. Vacuum cleaner construction. 2,363,002; Nov. 21.
Jenkins, Alexander F., Baltimore, Md. Torch tip. 2,363,250; Nov. 21.
Jenkins, Cecil. (See Woolslayer, H. J., Campbell, and Jenkins.)
Jenkins, George O., Company. (See Richter, Herman W., assignor.)
Jennings, Charles H., Forest Hills, and A. B. White, Murrysville, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Arc-stabilizing circuits. 2,363,332; Nov. 21.
Johnson, Alfred G., Seattle, Wash. Scissors holder for aprons. 2,363,065; Nov. 21.
Johnson, Eric A., assignor to Inland Wire Products Company, Chicago, Ill. Barrel hoop fastener. 2,363,423; Nov. 21.
Johnson, Herbert S., Chicago, Ill. Rocker. 2,363,333; Nov. 21.
Jones, David M., Richmond Heights, assignor to Mallinckrodt Chemical Works, St. Louis, Mo. Alkylation and aralkylation of organic compounds. 2,363,003; Nov. 21.
Jones, Don F., and J. W. Miller, assignors to Motor Wheel Corporation, Lansing, Mich. Heating apparatus. 2,363,185; Nov. 21.
Jones, Robert E. (See Cate, T. M., and Jones.)
Jones, William O., Baltimore, Md. Surgical needle holder. 2,363,334; Nov. 21.
Jorgensen, Bernhardt, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Shoe machine. 2,363,004; Nov. 21.
Jurisich, Joseph M., New Orleans, La. Oyster harvesting apparatus. 2,363,251; Nov. 21.
Kallista, George, Springfield, Mass. Plating fixture for gas cylinders of rifles. 2,363,005; Nov. 21.
Kane, Jasper H., Garden City, and W. H. Staebner, Jackson Heights, assignors to Charles Pfizer & Company, New York, N. Y. Laxatives. 2,363,108; Nov. 21.
Katcher, Morris, and S. W. Walker, New York, N. Y. Steering means for watercraft. 2,363,335; Nov. 21.
Kautter, Carl T. (See Bauer, W., and Kautter.)
Keeler, Earl A., Norristown, assignor to The Brown Instrument Company, Philadelphia, Pa. Measuring and control apparatus. 2,363,336; Nov. 21.
Keenan, Thomas J., Steubenville, Ohio. Combined oiling device and oil gauge stick. 2,363,424; Nov. 21.
Keiffer, Lawrence R., Cleveland Heights, Ohio, assignor to General Electric Company. Vapor lamp jacket. 2,363,109; Nov. 21.
Keiser, Bernhard. (See De Groote, M., and Keiser.)
Kellogg Switchboard and Supply Company. (See Stehlik, F. J., and Schumann, assignors.)
Kelly, James M., Trafford, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Mold and making it. 2,363,337; Nov. 21.
Kessenich, Gregory J. (See Church, J. H., and Kessenich.)
Key Company. (See Gallop, Joseph W., assignor.)
King, Donald H., assignor to Household Finance Corporation, Chicago, Ill. Display device. 2,363,186; Nov. 21.
Kirk, Charles C. (See Waller, Percy H., assignor.)
Kirkpatrick, William J., Marshallton, assignor to Hercules Powder Company, Wilmington, Del. Derivatives of hydrogenated rosin. 2,363,252; Nov. 21.
Kiss, Mitchell S. (See Kuenzel, E. G., and Kiss.)
Klaus, Frank A., Jr., Los Angeles, Calif. Nut and bolt socket fastening. 2,363,006; Nov. 21.
Klein, Clarence F., assignor to Frankenberg Bros., Inc., Columbus, Ohio. Making paperboard containers. 2,363,425; Nov. 21.
Koehler, John P., Jr., Rockford, Ill. Dispensing machine. 2,363,426; Nov. 21.
Koehring Company. (See Poulter, John W., assignor.)
Kohlhafer, William H., Cabin John, Md., and F. J. Olenik, Alexandria, Va. Equipment for cutting circles in metal sheets or plates. 2,363,007; Nov. 21.
Köster, Heinrich, Berlin-Charlottenburg, Germany, assignor to Schering Corporation, Bloomfield, N. J. Manufacture of enol ethers of α,β-unsaturated steroid ketones. 2,363,338; Nov. 21.
Kraft, George, Englewood, N. J., and N. L. Solomon, Mount Vernon, N. Y. Beautifying and protecting surfaces of aluminum and aluminum alloys. 2,363,339; Nov. 21.
Krasberg, Rudolf, Chicago, Ill. Hair curler. 2,363,131; Nov. 21.
Krug, Louis G., assignor to Chicago Rawhide Manufacturing Company, Chicago, Ill. Oil seal. 2,363,110; Nov. 21.
Kurtz, Henry F. (See Boughton, O. W., and Kurtz.)
Ladd, Edward T., Lewiston Heights, assignor to Innis, Speiden & Co., Niagara Falls, N. Y. Producing potassium hydroxide of high purity. 2,363,066; Nov. 21.
Lait, James R., Wembley, England, assignor to General Electric Company. Ceramic materials. 2,363,067; Nov. 21.
Lambach, Fritz, Tenafly, assignor to Robert Reiner, Incorporated, Weehawken, N. J. Knitting fabric onto prefabricated fabric blanks. 2,363,008; Nov. 21.
Landau, Abraham, Washington, D. C. Utility hook. 2,363,275; Nov. 21.
Langberg, Charles, New York, N. Y. Optical device for viewing photographic images. 2,363,427; Nov. 21.
Lannan, George M., and F. Vanucci, Newark, assignors, by mesne assignments, to Owens-Corning Fiberglas Corporation, Toledo, Ohio. Making sliver. 2,363,470; Nov. 21.
Larson, Edward S., assignor to Teletype Corporation, Chicago, Ill. Helix clutch. 2,363,253; Nov. 21.
Lau, Alexander J., and R. Donath, assignors of one-third to J. C. Green, Pittsburgh, Pa. Dispensing apparatus. 2,363,340; Nov. 21.
Lawler, Frank P., Chicago, Ill., assignor to Service Supply Corporation, Philadelphia, Pa. Crane attachment for tractors. 2,363,341; Nov. 21.
Lawrence, Robert W., assignor to Hercules Powder Company, Wilmington, Del. Blasting cap. 2,363,254; Nov. 21.
Layng, Edwin T., Jersey City, N. J., assignor to Process Management Company, Inc., New York, N. Y. Treatment of hydrocarbons. 2,363,187; Nov. 21.
Leadbetter, Ralph L., Wheaton, assignor to Burgess-Manning Company, Chicago, Ill. Sound barrier wall or door construction. 2,363,068; Nov. 21.
Lee, Henry R., Pitman, N. J., and C. A. Young, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Anthaquinone dyes for animal and related fibers. 2,363,069; Nov. 21.
Lee, James W., Grand Haven, and F. Barney, Spring Lake, assignors to The Challenge Machinery Company, Grand Haven, Mich. Paper boring and slotting machine. 2,363,255; Nov. 21.
Lemmers, Eugene, Claveland Heights, Ohio, assignor to General Electric Company. Electric discharge device. 2,363,070; Nov. 21.
Lesnick, Robert N., Camden, N. J., assignor to Radio Corporation of America. Servo system. 2,363,342; Nov. 21.
Le Tourneau, R. G., Inc. (See Le Tourneau, Robert G., assignor.)
Le Tourneau, Robert G., Peoria, Ill., assignor to R. G. Le Tourneau, Inc. Combined draft and power take-off unit. 2,363,071; Nov. 21.
Lewis, Franklin W. (See Hodgkins, R. L., and Lewis.)
Lewis, Warner, Tulsa, Okla. Water separator. 2,363,009; Nov. 21.
Libbey-Owens-Ford Glass Company. (See Lowry, Clyde D., assignor.)
Libbey-Owens-Ford Glass Company. (See Peacock, William, assignor.)
Liederbach, M. M. (See Vierling, Frank J., assignor.)
Lightfoot, Edwin N., Wauwatosa, and T. F. Rosing, Whitefish Bay, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Reversing rheostat. 2,363,132; Nov. 21.
Lincoln, John C. (See Neely, William H., assignor.)
Linde Air Products Company, The. (See Bliss, L. A., and Hansen.)
Linde Air Products Company, The. (See Boshkoff, George J., assignor.)
Linde Air Products Company, The. (See Pew, P. B., and Rice, assignors.)
Linde Air Products Company, The. (See Scherl, Egon B., assignor.)
Lindgren, Robert M., Detroit, Mich., assignor to Deep Wells, Inc. Gas eliminator. 2,363,343; Nov. 21.
Livenick, Edward D., Chicago, Ill. Hasp for padlocks. 2,363,344; Nov. 21.

Loane, Clarence M., Hammond, Ind., and J. W. Gaynor, assignors to Standard Oil Company, Chicago, Ill. Alliion agent for lubricants. 2,363,133; Nov. 21.
Lobel, Joseph, Bronx, N. Y. Automatic telephone dial system. 2,363,428; Nov. 21.
Lockheed Aircraft Corporation. (See Howland, Walter L., assignor.)
Lovell-Dressel Co. Inc. (See Schatzman, Robert C., assignor.)
Lowry, Clyde D., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Wall mounting. 2,363,429; Nov. 21.
Lummus Company, The. (See Schauble, Otto C., assignor.)
M. L. Trust. (See Greenleaf, R. M., and Hunt, assignors.)
MacGahan, Paul, Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Detachable instrument. 2,363,345; Nov. 21.
Madland, Thorvald, Chicago, Ill., assignor to The Youngstown Steel Door Company, Cleveland, Ohio. Door construction. 2,363,135; Nov. 21.
Magnusson, Joseph, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Container separating apparatus. 2,363,189; Nov. 21.
Majestic Company, The. (See Triggs, Kenneth F., assignor.)
Mallinckrodt Chemical Works. (See Jones, David M., assignor.)
Mallory, Marion, Detroit, Mich. Carburetor. 2,363,346; Nov. 21.
Manning, Albert, and A. Onuska, North Arlington, N. J. Holder for containers. 2,363,256; Nov. 21.
Mantz, Harold A., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Thermocouple and pilot burner. 2,363,072; Nov. 21.
Mantz, Harold A., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Valve structure. 2,363,073; Nov. 21.
Manufacturers' Bank and Trust Company of St. Louis, Executor. (See Bertsch, Johann A.)
Mars, Nick, Sharon, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Calibrating tool. 2,363,347; Nov. 21.
Martin, Henry, Basel, H. H. Zaeslin, Riehen, near Basel, R. Hirt, C. Glatthaar, and A. Staub, assignors to J. R. Geigy A. G., Basel, Switzerland. Halogen substituted acylamino sulphonic acids of the aromatic series and their manufacture. 2,363,074; Nov. 21.
Mathieson Alkali Works, Inc., The. (See Michalek, J. C., and Erickson, assignors.)
Mathieson Alkali Works, Inc., The. (See Savell, Walter L., assignor.)
Mattern, Raymond P., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Temperature responsive device. 2,363,075; Nov. 21.
Matteson, Harold J., assignor to General Controls Co., Glendale, Calif. Refrigerant control system. 2,363,010; Nov. 21.
Matteucci, Raffaele, Turin, Italy; vested in the Alien Property Custodian. Yieldable coupling. 2,363,257; Nov. 21.
Maurice, Sturge C., Kittanning, Pa. Grading device. 2,363,348; Nov. 21.
McCleary, Rush F., Beacon, assignor, by mesne assignments, to The Texas Company, New York, N. Y. Lubricating oil. 2,363,134; Nov. 21.
McDorman, William P., assignor to General Motors Corporation, Dayton, Ohio. Chemistry. 2,363,188; Nov. 21.
McDougal, Taine G. (See Comb, Raymond L., assignor.)
Meldahl, Axel, Ennetbaden, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. Thrust and journal bearing. 2,363,430; Nov. 21.
Mentzer, Ralph B., assignor to Hamilton Watch Company, Lancaster, Pa. Drilling machine. 2,363,136; Nov. 21.
Metalastik Limited. (See Goldschmidt, Max, assignor.)
Metcalf, Howard H., Battle Creek, Mich. Method and apparatus for printing. 2,363,137; Nov. 21.
Michalek, John C., and E. R. Erickson, Niagara Falls, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Catalytic demuriation. 2,363,011; Nov. 21.
Milkweed Products Development Corporation. (See Berkman, Boris.)
Miller, John W. (See Jones, D. F., and Miller.)
Miller, John W., and R. E. Fell, assignors to Motor Wheel Corporation, Lansing, Mich. Fuel control for combustion apparatus. 2,363,190; Nov. 21.
Miller, John W., assignor to Motor Wheel Corporation, Lansing, Mich. Air circulator. 2,363,191; Nov. 21.
Miller, John W., assignor to Motor Wheel Corporation, Lansing, Mich. Combustion apparatus. 2,363,192; Nov. 21.
Miller, Robert J., and J. T. Rutherford, Berkeley, assignors to Standard Oil Company of California, San Francisco, Calif. Compounded mineral oil. 2,363,012; Nov. 21.
Milwaukee Gas Specialty Company. (See Hildebrecht, Charles V., assignor.)
Milwaukee Gas Specialty Company. (See Mantz, Harold A., assignor.)
Minneapolis-Honeywell Regulator Company. (See Mattern, Raymond P., assignor.)
Minnesota Mining & Manufacturing Company. (See Anderson, Arthur A., assignor.)
Minnesota Mining & Manufacturing Company. (See Stewart, John S., assignor.)
Mitchell, Donald H., Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Grapple. 2,363,076; Nov. 21.
Moe, William W., Stratford, Conn., assignor to General Electric Company. Electron discharge circuit. 2,363,349; Nov. 21.
Monroe Calculating Machine Company. (See Britten, Edwin F., Jr., assignor.)
Monsanto Chemical Company. (See Swisher, Robert D., assignor.)
Moore, Edward B., assignor to Schuler Engineering Company, Newark, Ohio. Reversible hand operated windlass. 2,363,138; Nov. 21.
Moore, Henry J., Islington, Ontario, Canada. Dehydrating tomatoes and the juices thereof. 2,363,193; Nov. 21.
Moore, Lee C., & Company. (See Woolslayer, H. J., Campbell, and Jenkins, assignors.)
Moore, Willis F., assignor to Bryant Chucking Grinder Company, Springfield, Vt. Work gauge. 2,363,077; Nov. 21.
Moorhouse, Ben, Tuckahoe, N. Y., assignor to Epiphone Inc. Apparatus for molding plywood. 2,363,431; Nov. 21.
Morey, Glen H., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Acetonyl thioethers. 2,363,462; Nov. 21.
Morgan Construction Company. (See O'Malley, Joseph M., assignor.)
Morgan Construction Company. (See Young, Richard W., assignor.)
Morris Paper Mills. (See Crane, Walton B., assignor.)
Morris Paper Mills. (See Gilbert, Clyde L., assignor.)
Morway, Arnold J., Clark Township, Union County, and J. C. Zimmer, Union, N. J., assignors to Standard Oil Development Company. Stable lubricating composition. 2,363,013; Nov. 21.
Moss, Jacob, Plainfield, N. J. Cutting device. 2,363,258; No. 21.
Motor Wheel Corporation. (See Hunt, J. H., and Horn, assignors.)
Motor Wheel Corporation. (See Jones, D. E., and Miller, assignors.)
Motor Wheel Corporation. (See Miller, John W., assignor.)
Motor Wheel Corporation. (See Miller, J. W., and Fell, assignors.)
Multi-Sort Systems Incorporated. (See Golber, Hyman E., assignor.)
Murray, Glenn D., and G. N. Allen, Dexter, Mich. Mat. 2,363,139; Nov. 21.
Nail, Walter P., Toronto, Ontario, Canada. Tool for servicing battery terminals. 2,363,350; Nov. 21.
National Can Corporation. (See Hopkins, Arthur G., assignor.)
National Stamping & Electric Works. (See Fischer, William H., assignor.)
Neely, William H., Cleveland, Ohio, assignor to J. C. Lincoln, Scottsdale, Ariz. Wire spring for backs of seat constructions. 2,363,351; Nov. 21.
Nestle's Milk Products, Inc. (See Griffin, Harry L., assignor.)
Newton, L. H., & Co., Ltd. (See Bolland, William E., assignor.)
Nicolle, Charles A., Montrouge, France; vested in the Alien Property Custodian. Packing machine. 2,363,014; Nov. 21.
Niksch, Harold, Chicago, Ill. Cooling locomotive boilers. 2,363,432; Nov. 21.
Nirdlinger, John, assignor to Detrola Corporation, Detroit, Mich. Attaching clip for control knobs. 2,363,194; Nov. 21.
Nissim, Raoul, London, England. Electric arc furnace. 2,363,078; Nov. 21.
Nolan, Kenneth W., North Perth, Western Australia, Australia. Manufacture of machine tools. 2,363,195; Nov. 21.
Norelius, Emil F., Springfield, Ill. Track block. 2,363,015; Nov. 21.
North American Philips Company. (See Gaylord, William B., assignor.)
Northwestern National Bank of Minneapolis, administrators, et al. (See Cowin, James.)
Novocol Chemical Mfg. Co. (See Ringk, William F., assignor.)
Nye, Hugh C., assignor to Vickers Incorporated, Detroit, Mich. Power transmission. 2,363,196; Nov. 21.
Nystrom, Karl F., and V. L. Green, Milwaukee, Wis. Railroad car draft gear and buffer stem mounting. 2,363,197; Nov. 21.
O'Brien, Frank J., Pelham, assignor to Continental Can Company, Inc., New York, N. Y. Closure for paper containers. 2,363,352; Nov. 21.
Oertling, Paul, assignor to The Glidden Company, Cleveland, Ohio. Treating soybean oil. 2,363,016; Nov. 21.
Ohio Fero-Alloys Corporation. (See Vignos, James C., assignor.)
Olenik, Frank J. (See Kohlhafer, W. H., and Olenik.)
Olson, Waldemar N., Brookfield, assignor to Reynolds Electric Co., Chicago, Ill. Electric fence. 2,363,433; Nov. 21.

O'Malley, Joseph M., assignor to Morgan Construction Company, Worcester, Mass. Switching apparatus. 2,363,079; Nov. 21.

Onuska, Andrew. (See Manning, A., and Onuska.)

Osborn, Ralph C., assignor to The Hoover Company, North Canton, Ohio. Refrigeration. 2,363,434; Nov. 21.

Osborn, Ralph C., assignor to The Hoover Company, North Canton, Ohio. Refrigeration. 2,363,435; Nov. 21.

Ott, Harvey N., Buffalo, N. Y. Microscope. 2,363,080; Nov. 21.

Owens-Corning Fiberglas Corporation. (See Lannon, G. M., and Vanucci, assignors.)

Pan American Refining Corporation. (See Butler, Beryl M., assignor.)

Pancoe, George W., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Post socket latch. 2,363,436; Nov. 21.

Parker, Richard T., San Pedro, Calif., assignor to Douglas Aircraft Company, Inc. Cable guard. 2,363,353; Nov. 21.

Parker, Robert L. (See Tweeten, John B., assignor.)

Parks and Woolson Machine Company. (See Hadley, Wilfred N., assignor.)

Parsons, John L. (See Jackson, D. T., and Parsons.)

Paull, Seymour, Chicago, Ill. Turban and fabrication. 2,363,198; Nov. 21.

Peacock, William, Philadelphia, Pa., assignor, by mesne assignments, to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Making mirrors. 2,363,354; Nov. 21.

Pendleton, F. R., trustee. (See Greenleaf, R. M., and Hunt.)

Penton, Edgar W., Mifflinburg, Pa. House of prefabricated room units. 2,363,259; Nov. 21.

Persons, Lawrence M., St. Louis, Mo. Fabricated compensated capillary element. 2,363,140; Nov. 21.

Pertics, Ernest R., Lapaz, Ind. Dental hand piece. 2,363,141; Nov. 21.

Peskin, Leonard C., Shaker Heights, Ohio, assignor to The American Steel and Wire Company. Bearing for rope stranding machines. 2,363,260; Nov. 21.

Peterson, Rolland E., Gary, Ind. Centrifugal blasting machine. 2,363,437; Nov. 21.

Petrolite Corporation, Ltd. (See Allen, Gwynne, assignor.)

Petrolite Corporation, Ltd. (See De Groote, M., and Keiser, assignors.)

Petter, Noel A., Los Angeles, Calif. Box-filler construction. 2,363,199; Nov. 21.

Pew, Paul B., Garden City, and P. K. Rice, Kenmore, assignors to The Linde Air Products Company, New York, N. Y. Apparatus for dispensing gas material. 2,363,200; Nov. 21.

Pflager, Harry M., St. Louis, Mo., assignor to General Steel Castings Corporation, Granite City, Ill. Antiaircraft gun turret. 2,363,356; Nov. 21.

Pfeiffer, Albert F., West Allis, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Diaphragm core blowing apparatus. 2,363,463; Nov. 21.

Pfizer, Charles, & Company. (See Kane, J. H., and Staebner, assignors.)

Phillips Petroleum Company. (See Wolk, I. L., and Upham, assignors.)

Pitt, William P., Union, N. J. Edge binding for sheet holder covers. 2,363,355; Nov. 21.

Plastic Metals, Inc. (See Buehl, Russell C., assignor.)

Plehn, Henry M., Brooklyn, N. Y. Shoulder strap construction. 2,363,017; Nov. 21.

Pneumatical Scale Corporation, Limited. (See Magnusson, Joseph, assignor.)

Popoff, John P., Milwaukee, Wis. Variable speed epicyclic gear transmission. 2,363,201; Nov. 21.

Popper, Joseph, deceased, Brooklyn, N. Y., by R. H. Popper, administratrix. Advertising sign device. 2,363,438; Nov. 21.

Popper, Ruby H., administratrix. (See Popper, Joseph.)

Porcelain Steels, Inc. (See Bodnar, Stephen T., and Gaines, assignors.)

Porsche, Jules D., and R. H. Sifferd, assignors to Armour and Company, Chicago, Ill. Recovering bile pigments. 2,363,471; Nov. 21.

Post, Anah K., administratrix. (See Post, Claude L.)

Post, Claude L., deceased, Chicago, Ill.; A. K. Post, administratrix. Sheet feed. 2,363,357; Nov. 21.

Posture Research Corporation. (See Fields, Frank D., and Wood, assignors.)

Poulter, John W., assignor to Koehring Company, Milwaukee, Wis. Treatment of highway grade and subgrade materials. 2,363,018; Nov. 21.

Process Management Company. (See Layng, Edwin T., assignor.)

Protectoseal Company of America, Inc. (See Anschicks, Rudolph J., assignor.)

Punte, William F., Passaic, N. J., assignor to Continental Can Company, Inc., New York, N. Y. Making sheet metal can bodies. 2,363,358; Nov. 21.

Radio Corporation of America. (See Anderson, Warren A., assignor.)

Radio Corporation of America. (See Lesnick, Robert N., assignor.)

Radio Corporation of America. (See Reiskind, Hillel I., assignor.)

Radio Corporation of America. (See Spencer, James A., assignor.)

Radio Patents Corporation. (See Bell, David B., assignor.)

Ramo, Simon, Schenectady, N. Y., assignor to General Electric Company. Electron microscope. 2,363,359; Nov. 21.

Rawlins, Herbert L., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit interrupter. 2,363,360; Nov. 21.

Reed, Warren B., New Orleans, La. Hydropneumatic pumping jack. 2,363,142; Nov. 21.

Regents of the University of Minnesota. (See Smith, L. I., and Sprung, assignors.)

Reichel, Wladimir A., Hackensack, assignor to Bendix Aviation Corporation, Bendix, N. J. Air-speed indicator. 2,363,143; Nov. 21.

Reiner, Robert, Incorporated. (See Lambach, Fritz, assignor.)

Reiskind, Hillel I., Indianapolis, Ind., assignor to Radio Corporation of America. Control track stabilizing method and system. 2,363,361; Nov. 21.

Research Corporation. (See Burkholder, Paul R., assignor.)

Reynolds Electric Co. (See Olson, Waldemar N., assignor.)

Rice, Philip K. (See Pew, P. B., and Rice.)

Richter, Herman W., assignor to George O. Jenkins Company, Bridgewater, Mass. Felted water-resistant sheet fiberboard. 2,363,439; Nov. 21.

Ricketts, James R., Oakland, Calif. Smoker's pipe. 2,363,144; Nov. 21.

Rideout, Theodore R., Mount Washington, Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Trolley pole head. 2,363,362; Nov. 21.

Ringk, William F., Hollis, assignor to Novocol Chemical Mfg. Co., Inc., Brooklyn, N. Y. Anesthetic compounds, intermediates, and processes therefor. 2,363,081; Nov. 21.

Ringk, William F., Hollis, assignor to Novocol Chemical Mfg. Co., Inc., Brooklyn, N. Y. Anesthetic compounds, intermediates, and processes therefor. 2,363,082; Nov. 21.

Ringk, William F., Hollis, assignor to Novocol Chemical Mfg. Co., Inc., Brooklyn, N. Y. Anesthetic compounds. 2,363,083; Nov. 21.

Ritter, George, Millington, N. J., assignor to The Ruberoid Co., New York, N. Y. Extrusion die assembly. 2,363,261; Nov. 21.

Ritter, Louis S., Darien, Conn. Mailing cards. 2,363,472; Nov. 21.

Robbins, Delbert A., Los Angeles, Calif. Telephone electrical circuit control system. 2,363,145; Nov. 21.

Robichaud, Gustave, Glens Falls, N. Y. Scythe. 2,363,084; Nov. 21.

Robie, Norman P., assignor to The Carborundum Company, Niagara Falls, N. Y. Making ceramic bonded articles. 2,363,146; Nov. 21.

Robinson, Richard S., Syracuse, assignor to The Solvay Process Company, New York, N. Y. Dehumidifying apparatus. 2,363,262; Nov. 21.

Rogers Majestic Corporation. (See Gossling, C. E., and Smith, assignors.)

Röhm & Haas Company. (See Bauer, W., and Kautter, assignors.)

Röhm & Haas Company. (See Bock, Louis H., assignor.)

Roper, John M., Washington, D. C. Airplane landing light lamp retaining ring. 2,363,147; Nov. 21.

Rose, Bennie A. (See Hanna, R. P., and Rose.)

Rosen, Raphael, Elizabeth, N. J., assignor to Standard Oil Development Company. Producing valuable aromatic hydrocarbons from petroleum fractions. 2,363,263; Nov. 21.

Rosen, Raphael, Elizabeth, N. J., assignor to Standard Oil Development Company. Alkylation catalyst. 2,363,264; Nov. 21.

Rosen, Samuel S., New York, N. Y. Dispensing container. 2,363,148; Nov. 21.

Rosing, Theodore F. (See Lightfoot, E. N., and Rosing.)

Roswell, Charles A., Newburgh, Ind., assignor to Servel, Inc., New York, N. Y. Valve. 2,363,440; Nov. 21.

Rousso, Jacques, Chicago, Ill. Towel cabinet. 2,363,149; Nov. 21.

Roye, Richard T., Houston, Tex. Guide bushing for drills. 2,363,085; Nov. 21.

Ruberoid Co., The. (See Ritter, George, assignor.)

Rubissow, George A., New York, N. Y. Automatic system for controlling the direction of moving bodies. 2,363,363; Nov. 21.

Rugg, Harold H., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Switching apparatus. 2,363,364; Nov. 21.

Rutherford, John T. (See Miller, R. J., and Rutherford.)

Ryan, George K., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Making ball cores. 2,363,086; Nov. 21.

Ryder, John D., Pepper Pike Village, Ohio, assignor to Bailey Meter Company. Measuring and controlling system. 2,363,473; Nov. 21.

Salisbury, George F., Kenilworth, Ill. Wind course indicating means. 2,363,087; Nov. 21.

Sand, Robert T., Detroit, Mich. Utility lantern. 2,363,088; Nov. 21.

Sandford Investment Company, The. (See Cate, T. M., and Jones, assignors.)

Santon, Elliot A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Picking mechanism for looms. 2,363,441; Nov. 21.

Sargent & Company. (See Edwards, William S., assignor.)

Savell, Walter L., Forest Hills, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Chemical manufacture. 2,363,150; Nov. 21.

Schatzman, Robert C., assignor to Lovell-Dressel Co., Inc., Arlington, N. J. Socket for switch signal lamps. 2,363,265; Nov. 21.

Schauble, Otto C., Mount Kisco, assignor to The Lummus Company, New York, N. Y. Oil heater. 2,363,266; Nov. 21.

Schauble, Otto C., Mount Kisco, assignor to The Lummus Company, New York, N. Y. Diffusion baffle for oil heaters. 2,363,267; Nov. 21.

Schering Corporation. (See Fleischer, G. A., and Schwenk, assignors.)

Schering Corporation. (See Köster, Heinrich, assignor.)

Scherl, Egon B., Niagara Falls, N. Y., to The Linde Air Products Company. Welding process and apparatus. 2,363,089; Nov. 21.

Schibi, Leo, St. Charles, Mo. Shoe arch appliance. 2,363,151; Nov. 21.

Schiel, Gottlieb, A., and G. P. Beren, assignors of one-third to M. E. Anderson, Denver, Colo. Beet thinner. 2,363,268; Nov. 21.

Schlesigner, Joseph H., assignor to Eagel Chemical Co., New York, N. Y. Liquid dispenser. 2,363,474; Nov. 21.

Schlumberger, Marcel, Paris, France, assignor, by mesne assignments, to Schlumberger Well Surveying Corporation, Houston, Tex. Sealing bore hole casings. 2,363,269; Nov. 21.

Schlumberger Well Surveying Corporation. (See Doll, Henri-Georges, assignor.)

Schlumberger Well Surveying Corporation. (See Schlumberger, Marcel, assignor.)

Schmid, Otto. (See Conzetti, A., and Schmid.)

Schmitt, Joy B., assignor to The De Vilbiss Company, Toledo, Ohio. Vaporizer. 2,363,365; Nov. 21.

Schnell, Steve, Kirkwood, assignor to Wagner Electric Corporation, St. Louis, Mo. Automatic brake adjusting means. 2,363,152; Nov. 21.

Schoenfeldt, Herman R., South Euclid, Ohio, assignor to General Electric Company. Phosphor. 2,363,090; Nov. 21.

Schreiner, Ted R., Kirkwood, Mo. Weighing and handling device. 2,363,366; Nov. 21.

Schuler Engineering Company. (See Moore, Edward B., assignor.)

Schumann, Fred. (See Stehlik, F. J., and Schumann.)

Schürmann, Max-Otto, Dormagen, and J. D. Holtz, Cologne-Thelhoven, Germany; vested in the Alien Property Custodian. Artificial fibers. 2,363,019; Nov. 21.

Schwenk, Erwin. (See Fleischer, G. A., and Schwenk.)

Scott, Arthur L., assignor to Frankenberg Bros., Inc., Columbus, Ohio. Pneumatic means for stripping laminated paper stock. 2,363,442; Nov. 21.

Scott, Floyd L., assignor to Hughes Tool Company, Houston, Tex. Teeth for drill cutters. 2,363,202; Nov. 21.

Seidel, Kamill. (See Harrington, F. T., Seidel, and Shartle.)

Senkus, Murray, assignor to Commercial Solvents Corporation, Terre Haute, Ind. Beta-aminoalkyl acetals. 2,363,464; Nov. 21.

Senkus, Murray, assignor to Commercial Solvents Corporation, Terre Haute, Ind. N-substituted amino alcohols and making same. 2,363,465; Nov. 21.

Senkus, Murray, assignor to Commercial Solvents Corporation, Terre Haute, Ind. Aminoalkanediols. 2,363,466; Nov. 21.

Servel, Inc. (See Anderson, Philip P., Jr., assignor.)

Servel, Inc. (See Roswell, Charles A., assignor.)

Servel, Inc. (See Shagaloff, Harry C., assignor.)

Service Supply Corporation. (See Lawler, Frank P., assignor.)

Severance, Glen R. (See Sherrer, J. M., Severance, and Huntington.)

Seymour, George W., and B. B. White, Cumberland, Md., assignors to Celanese Corporation of America. Preparation of cellulose esters. 2,363,091; Nov. 21.

Shagaloff, Harry C., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Wick type oil burner control. 2,363,443; Nov. 21.

Shartle, Robert A. (See Harrington, F. T., Seidel, and Shartle.)

Sherrer, John M., G. R. Severance, and E. S. Huntington, assignors to Eureka Vacuum Cleaner Company, Detroit, Mich. Flare pistol. 2,363,203; Nov. 21.

Shipman, I. Kenneth, executor, et al. (See Shipman, Ralph, assignor.)

Shipman, Raldo E., executor, et al. (See Shipman, Ralph.)

Shipman, Ralph, deceased, Sunbury, Pa.; R. E. and I. K. Shipman, executors, assignors, by mesne assignments, to themselves, as joint tenants. Auxiliary carburetor. 2,363,153; Nov. 21.

Shipman, Ralph, deceased, Sunbury, Pa.; R. E. and I. K. Shipman, executors, assignors, by mesne assignments, to themselves, as joint tenants. Milling machine tool and method. 2,363,444; Nov. 21.

Shipstead, Helge, Syracuse, and A. P. Brant, Little Valley, assignors to The Borden Company, New York, N. Y. Packaging spray dried milk powders. 2,363,445; Nov. 21.

Siedle, Arnold D., Cleveland Heights, assignor to The Hoover Company, North Canton, Ohio. Refrigeration. 2,363,446; Nov. 21.

Siedle, Arnold D., Cleveland Heights, assignor to The Hoover Company, North Canton, Ohio. Refrigeration. 2,363,447; Nov. 21.

Siesel, William M., Morrisville, Pa. Apparatus for manufacturing ceramic coil forms. 2,363,448; Nov. 21.

Sifferd, Robert H. (See Porsche, Jules D., and Sifferd.)

Sinner, John B. and O. A., San Diego, Calif. Fastener for crypt fronts. 2,363,156; Nov. 21.

Sinner, Oscar A. (See Sinner, John B. and O. A.)

Smely, Vaclav, Pelton, England. Loading apparatus. 2,363,204; Nov. 21.

Smith, Charles C., Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Strand handling apparatus. 2,363,205; Nov. 21.

Smith, Dell R., Everett, Wash. Fish ladder. 2,363,154; Nov. 21.

Smith, Graydon, Concord, assignor to Electricooker, Inc., Newburyport, Mass. Dispensing apparatus. 2,363,155; Nov. 21.

Smith, John A. (See Gossling, C. E., and Smith, assignors.)

Smith, Lee I., and J. A. Sprung, assignors to Regents of the University of Minnesota, Minneapolis, Minn. Making 6,10,14-trimethyl-pentadecanone-2. 2,363,092; Nov. 21.

Smith, Leonard A., Nutley, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Facsimile telegraph system. 2,363,270; Nov. 21.

Socony-Vacuum Oil Company. (See Francis, Alfred W., assignor.)

Solomon, Nathan L. (See Kraft, G., and Solomon.)

Solvay Process Company, The. (See Robinson, Richard S., assignor.)

Southern Wood Preserving Company. (See Harvey, Jacquelin E., Jr., assignor.)

Southern Wood Preserving Company. (See Harvey, J. E., Jr., White, and Vaughan, assignors.)

Spealman, Clair R., U. S. Navy. Chemical demineralization of sea water. 2,363,020; Nov. 21.

Spencer, James A., Teaneck, N. J., assignor to Radio Corporation of America. Speed correction in telegraph circuits. 2,363,367; Nov. 21.

Sprake, Tyler W., assignor to Webster-Brinkley Co., Seattle, Wash. Planetary capstan. 2,363,093; Nov. 21.

Sprouse, Verner E., Columbus, Ind. Tie for hose clamps. 2,363,206; Nov. 21.

Sprung, Joseph A. (See Smith, L. I., and Sprung.)

Staebner, William H. (See Kane, J. H., and Staebner.)

Stampleman, Samuel C., Cohasset, and N. Testi, assignors to Gillette Safety Razor Company, Boston, Mass. Safety razor. 2,363,449; Nov. 21.

Standard Oil Company, The. (See Hughes, Everett C., assignor.)

Standard Oil Company. (See Loane, C. M., and Gaynor, assignors.)

Standard Oil Company of California. (See Miller, R. J., and Rutherford, assignors.)

Standard Oil Development Company. (See Bannon, Lewis A., assignor.)

Standard Oil Development Company. (See Beyerstedt, Fred J., assignor.)

Standard Oil Development Company. (See Connolly, Gerald C., assignor.)

Standard Oil Development Company. (See Hemminger, Charles E., assignor.)

Standard Oil Development Company. (See Holder, Clinton H., assignor.)

Standard Oil Development Company. (See Morway, A. J., and Zimmer, assignors.)

Standard Oil Development Company. (See Rosen, Raphael, assignor.)

Staples, Crawford E., and H. G. Blosser, Pittsburgh, assignors to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling system. 2,363,094; Nov. 21.

Stasse, Henry L., Hawthorne, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Purifying piperidine. 2,363,157; Nov. 21.

Stasse, Henry L., Hawthorne, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Purification of piperidine. 2,363,158; Nov. 21.

Staub, Alfred. (See Martin, H., Zaeslin, Hirt, Glatthaar, and Staub.)

Stedman, Russell F. (See Friedman, B. S., and Stedman.)

Steele, Bryant, Lexington, Ky., assignor to D. E. White, Cleveland, Ohio. Magnet release for gate doors and for other purposes. 2,363,021; Nov. 21.

Steele, Bryant, Keenland, Ky., assignor to D. E. White, Cleveland, Ohio. Magnet release for starting gates. 2,363,022; Nov. 21.

Stehlik, Frank J., Cicero, Ill., and F. Schumann, Nashville, Tenn., assignors to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone substation ringer. 2,363,095; Nov. 21.
Stein, Earl, Kutztown, Pa. Vent for cores. 2,363,450; Nov. 21.
Stein, Joseph A. (See Vayda, L. L., and Stein.)
Stewart, John S., Port Washington, N. Y., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Flow gun. 2,363,023; Nov. 21.
Stockstrom, Arthur, assignor to American Stove Company, St. Louis, Mo. Thermoresponsive device. 2,363,451; Nov. 21.
Stone, Charles, Brooklyn, N. Y. Girdle. 2,363,368; Nov. 21.
Stout, Raymond K. (See Crane, C. J., and Stout.)
Stratford, William M., assignor, by mesne assignments, to The Texas Company, New York, N. Y. Production of distillate. 2,363,207; Nov. 21.
Strobridge, William, Syracuse, assignor to United States Hoffman Machinery Corporation, New York, N. Y. Apparatus for drying. 2,363,467; Nov. 21.
Stroh, Roy E., Brookline, assignor to The Turner and Harrison Steel Pen Manufacturing Company, Philadelphia, Pa. Ink well. 2,363,369; Nov. 21.
Strom, Albert P., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit interrupter. 2,363,370; Nov. 21.
Sturgess, Inc. (See Cade, John W., assignor.)
Sugarman, Mendel, Malden, Mass. Slip cover for furniture. 2,363,271; Nov. 21.
Sullivan, George R., Cleveland, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del. Printing device. 2,363,096; Nov. 21.
Sulzer, John H., Union Beach, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Control device. 2,363,208; Nov. 21.
Sundstrom, Henry, Dearborn, Mich. Tool holder. 2,363,160; Nov. 21.
Sutter, Erwin L., Sharon, assignor to Tobe Deutschmann Corporation, Canton, Mass. Cutting mechanism. 2,363,097; Nov. 21.
Svenska Cellulosa Aktiebolaget. (See Brund, Johan A., assignor.)
Swann, Edward R., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,363,452; Nov. 21.
Swisher, Robert D., Winchester, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Isomerization of terphenyls. 2,363,209; Nov. 21.
Tack, Carl E., assignor to American Steel Foundries, Chicago, Ill. Railway brake. 2,363,453; Nov. 21.
Taeyaerts, Jan, Villa Park, and M. Toelcke, Chicago, Ill. Diamond-tipped tool and making the same. 2,363,272; Nov. 21.
Teleregister Corporation, The. (See Frischknecht, Ernest, assignor.)
Teletype Corporation. (See Larson, Edward S., assignor.)
Terrell, Edgar A., assignor to The Terrell Machine Company, Charlotte, N. C. Variable speed mechanism. 2,363,161; Nov. 21.
Terrell Machine Company, The. (See Terrell, Edgar A., assignor.)
Testi, Nicholas. (See Stampleman, S. C., and Testi.)
Texas Company, The. (See Bruner, Frank H., assignor.)
Texas Company, The. (See McCleary, Rush F., assignor.)
Texas Company, The. (See Stratford, William M., assignor.)
Thibodeau, Wilfred E., Cleveland, Ohio. Explosive projectile. 2,363,024; Nov. 21.
Thomas, Charles L., assignor to Universal Oil Products Company, Chicago, Ill. Catalytic conversion of hydrocarbons. 2,363,025; Nov. 21.
Thompson, Boyce, Institute for Plant Research, Inc. (See Hitchcock, A. E., and Zimmerman, assignors.)
Thompson Grinder Co., The. (See Baldenhofer, William G., assignor.)
Thornburgh, Luther F., et al. (See Frost, Roy H. assignor.)
Times Telephoto Equipment Inc. (See Cooley, Austin G., assignor.)
Timken-Detroit Axle Company, The. (See Alden, Herbert W., assignor.)
Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Fastening device. 2,363,210; Nov. 21.
Tinner Products, Inc. (See Tinnerman, George A., assignor.)
Tobe Deutschmann Corporation. (See Sutter, Erwin L., assignor.)
Toelcke, Magnus. (See Taeyaerts, J., and Toelcke.)
Tollstrup, Duane H., Los Angeles, Calif. Caulking compound. 2,363,468; Nov. 21.
Triggs, Kenneth F., assignor to The Majestic Company, Huntington, Ind. Fireplace damper. 2,363,026; Nov. 21.
Tripp, Benjamin A., Knoxville, Tenn. Pump. 2,363,162; Nov. 21.
Trumbull Electric Manufacturing Company, The. (See Carlson, Elmer T., assignor.)
Tullis, Boyd W., assignor to The Coleman Lamp and Stove Company, Wichita, Kans. Burner for fuels containing tetraethyl lead. 2,363,098; Nov. 21.
Tullis, Boyd W., assignor to The Colman Lamp and Stove Company, Wichita, Kans. Burner for fuels containing tetraethyl lead and other objectionable foreign matter. 2,363,099; Nov. 21.
Tunley, Allan A., assignor to Baker Perkins Limited, Peterborough, England. Feeding of biscuits or other sweetmeats to chocolate enrobing machines and the like. 2,363,211; Nov. 21.
Turner and Harrison Steel Pen Manufacturing Company, The. (See Stroh, Roy E., assignor.)
Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Bobbin can for weft replenishing looms. 2,363,100; Nov. 21.
Tweeten, John B., Los Angeles, assignor of one-half to R. L. Parker, South Pasadena, Calif. Moistening device. 2,363,163; Nov. 21.
Union Switch & Signal Company, The. (See Aylsworth, Selden B., assignor.)
Union Switch & Signal Company, The. (See Staples, C. E., and Blosser, assignors.)
United Shoe Machinery Corporation. (See Fredericksen, James P., assignor.)
United Shoe Machinery Corporation. (See Jorgensen, Bernhardt, assignor.)
United States Envelope Company. (See Haywood, Vincent E., assignor.)
United States Hoffman Machinery Corporation. (See Strobridge, William, assignor.)
United States Rubber Company. (See Dosmann, Lucian P., assignor.)
United States Rubber Company. (See Wallace, Edward H., assignor.)
Universal Oil Products Company. (See De Rosset, Armand J., assignor.)
Universal Oil Products Company. (See Friedman, B. S., and Stedman, assignors.)
Universal Oil Products Company. (See Thomas, Charles L., assignor.)
Upham, John D. (See Wolk, I. L., and Upham.)
Van der Heem, Jan, The Hague, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Device for simultaneously tuning oscillatory circuits. 2,363,101; Nov. 21.
Vanucci, Frank. (See Lannan, G. M., and Vanucci.)
Vaughan, Joseph A. (See Harvey, J. E., Jr., White, and Vaughan.)
Vayda, Louis L., and J. A. Stein, Pittsburgh, Pa. Gas analyzer. 2,363,027; Nov. 21.
Vickers Incorporated. (See Harrington, F. T., Seidel, and Shartle, assignors.)
Vickers Incorporated. (See Nye, Hugh C., assignor.)
Vierling, Frank J., assignor to M. M. Liederbach, Minneapolis, Minn. Measuring instrument. 2,363,165; Nov. 21.
Vierling, Frank J., assignor to M. M. Liederbach, Minneapolis, Minn. Layout instrument. 2,363,166; Nov. 21.
Vignos, James C., Canton, Ohio, assignor to Ohio Ferro-Alloys Corporation. Forming briquettes, bricks or solid agglomerates. 2,363,371; Nov. 21.
Vinco Corporation. (See Bennett, Racy D., assignor.)
Wachowitz, Walter J., Waukesha, Wis. Abrading tool. 2,363,102; Nov. 21.
Wachtler, Friedrich M. (See Hofmann, A., and Wachtler.)
Wagner Electric Corporation. (See Schuell, Steve, assignor.)
Wagner, Martin H., Aplington, Iowa. Stock feeder. 2,363,212; Nov. 21.
Walker, Stanley W. (See Katcher, M., and Walker.)
Wallace, Edward H., Detroit, Mich., assignor to United States Rubber Company, New York, N. Y. Mold. 2,363,213; Nov. 21.
Waller, Percy H., Chicago, Ill., assignor of one-half to C. C. Kirk. Structural joining of walls for cases, partitions, and the like. 2,363,164; Nov. 21.
Walt Disney Productions. (See Ball, Joseph A., assignor.)
Warner & Swasey Company, The. (See Allen, Joseph F., assignor.)
Warnke, Carl J., Chicago, Ill. Cathode filament. 2,363,028; Nov. 21.
Waterfill, Robert W., Montclair, N. J., assignor to Buensod-Stacey, Incorporated, New York, N. Y. Refrigeration. 2,363,273; Nov. 21.
Watson, Paul D., Alexandria, Va., assignor to United States of America as represented by Claude R. Wickard, Secretary of Agriculture, and his successors in office. Coating materials and making them. 2,363,103; Nov. 21.
Watson, Ray V. (See Hutchinson, George R., assignor.)
Webster-Brinkley Co. (See Sprake, Tyler W., assignor.)
Weinig, Arthur J., Golden, Colo., assignor to Basic Magnesium, Incorporated. Treatment of magnesite ores. 2,363,029; Nov. 21.
Weinig, Arthur J., Golden, Colo., assignor to Basic Magnesium, Incorporated, Las Vegas, Nev. Flotation of magnesite. 2,363,030; Nov. 21.
Weinig, Arthur J., Golden, Colo., assignor to Basic Magnesium, Incorporated, Las Vegas, Nev. Froth flotation treatment of low grade magnesite ore. 2,363,031; Nov. 21.
Weinig, Arthur J., Golden, Colo., assignor to Basic Magnesium, Incorporated, Las Vegas, Nev. Magnesite ore treatment. 2,363,104; Nov. 21.

Welker, William, Oberfrohna, Saxony, Germany; vested in the Alien Property Custodian. Flat knitting frame. 2,363,032; Nov. 21.
Werner, Harry C., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Shaft vibration pickup. 2,363,373; Nov. 21.
Werts, Everett W. (See Crosthwait, David N., Jr.)
Western Electric Company. (See Mitchell, Donald H., assignor.)
Western Electric Company. (See Smith, Charles C., assignor.)
Western Electric Company. (See Sulzer, John H., assignor.)
Western Union Telegraph Company, The. (See Smith, Leonard A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Arnold, Edwin E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Baker, B. P., and Bakken, assignors.)
Westinghouse Electric & Manufacturing Company. (See Barnes, Thomas D., assignor.)
Westinghouse Electric & Manufacturing Company. (See Bartholy, Frederick E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Brittain, Samuel B., assignor.)
Westinghouse Electric & Manufacturing Company. (See Cotter, James L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Eames, William F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Ehgott, K., and Hagg, assignors.)
Westinghouse Electric & Manufacturing Company. (See Faulk, Donald P., assignor.)
Westinghouse Electric & Manufacturing Company. (See Florschutz, Fritz E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Fritz, Dwain E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hagg, Arthur C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hanna, R. P., and Rose, assignors.)
Westinghouse Electric & Manufacturing Company. (See Harding, W. R., and Hanville, assignors.)
Westinghouse Electric & Manufacturing Company. (See Hill, Lawrence R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hodgkins, Charles H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hofing, Fred H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Jennings, C. H., and White, assignors.)
Westinghouse Electric & Manufacturing Company. (See Kelly, James M., assignor.)
Westinghouse Electric & Manufacturing Company. (See MacGahan, Paul, assignor.)
Westinghouse Electric & Manufacturing Company. (See Mars, Nick, assignor.)
Westinghouse Electric & Manufacturing Company. (See Rawlings, Herbert L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Rideout, Theodore R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Rugg, Harold H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Strom, Albert P., assignor.)
Westinghouse Electric & Manufacturing Company. (See Werner, Harry C., assignor.)
Westinghouse Electric & Manufacturing Company. (See White, Alfred B., assignor.)
Westinghouse Electric & Manufacturing Company. (See Woodman, Kenneth L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Wrathall, Jay R., assignor.)
Weyer, Elliott R., New York, N. Y. Lamp shade. 2,363,374; Nov. 21.
White, Alfred B. (See Jennings, C. H., and White.)
White, Alfred B., Murrysville, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Measuring system. 2,363,372; Nov. 21.
White, Blanch B. (See Seymour, George W., and White.)
White, David E. (See Steele, Bryant, assignor.)
White, Robert H., Jr. (See Harvey, J. E., Jr., White, and Vaughan.)
White, Walter L. (See White, Wiley L. and W. L.)
White, Wiley L. and W. L., Calwa, Calif.; said W. L. White assignor to Wiley L. White. Train order holding device. 2,363,214; Nov. 21.
Wiegand, Edwin L., Company. (See Horsfield, Basil, assignor.)
Wild, Albert F., Scotia, N. Y., assignor to General Electric Company. Butter conditioner. 2,363,375; Nov. 21.
Williams, Loraine L., Pulaski, Va. Holder for boring bars. 2,363,215; Nov. 21.
Williams, William H. (See Condon, R. S., and Williams.)
Willman Bronze-Aluminum Company, The. (See Brocklebank, Alfred E., assignor.)
Wine, William E., Toledo, Ohio. Demountable traction unit. 2,363,105; Nov. 21.
Wingate, James L. (See Drake, Henry G., and Wingate.)
Wingfoot Corporation. (See Clifford, Albert M., assignor.)
Witkin, Daniel W., Brooklyn, N. Y. Cabinet. 2,363,454; Nov. 21.
Wolk, I. Louis, and J. D. Upham, Bartlesville, Okla., assignors to Phillips Petroleum Company. Catalytic process and apparatus. 2,363,274; Nov. 21.
Wong, Gene B., Newcastle, Calif. Finger cot. 2,363,216; Nov. 21.
Wood, Glenn D. (See Fields, Frank D., and Wood.)
Woodling, George V., Cleveland, Ohio. Making brush elements. 2,363,217; Nov. 21.
Woodman, Kenneth L., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsfield, Pa. Thermostat. 2,363,376; Nov. 21.
Woolslayer, Homer J., E. A. Campbell, and C. Jenkins, Tulsa, Okla., assignors to Lee C. Moore & Company, Inc., Pittsburgh, Pa. Mast structure and erection. 2,363,106; Nov. 21.
Wrathall, Jay R., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Dynamometer. 2,363,377; Nov. 21.
Wright-Batchelder Corporation. (See Wright, Wallace C., assignor.)
Wright, Wallace C., Brookfield, N. H., assignor to Wright-Batchelder Corporation, Boston, Mass. Welt insole. 2,363,455; Nov. 21.
Wright, Wallace C., Brookfield, N. H., assignor to Wright-Batchelder Corporation, Boston, Mass. Sewing rib for welt insoles. 2,363,456; Nov. 21.
Young, Charles A. (See Lee, H. R., and Young.)
Young, Richard W., assignor to Morgan Construction Company, Worcester, Mass. Spindle supporting apparatus. 2,363,378; Nov. 21.
Young, Serenus H. A., Oak Park, assignor to J. B. Hawley, Geneva, Ill. Expandible plastic mold. 2,363,107; Nov. 21.
Youngstown Steel Door Company, The. (See Madland, Thorvald, assignor.)
Yuill, William M., Edinburgh, Scotland. Apparatus for canning skinless sausages. 2,363,218; Nov. 21.
Zaeslin, Hans H. (See Martin, H., Zaeslin, Hirt, Glatthaar, and Staub.)
Zimmer, John C. (See Morway, A. J., and Zimmer.)
Zimmerman, Percy W. (See Hitchcock, A. E., and Zimmerman.)

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 21ST DAY OF NOVEMBER, 1944

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Combined framing structure and bracket support. F. Kautz. Re. 22,562; Nov. 21.
Cutting or welding and heat-treating apparatus. H. H. Moss and G. W. Patch, Jr. Re. 22,568; Nov. 21.
Holder and dispenser for rolled sheet material. A. C. Gillanders and H. H. Daggett. Re. 22,565; Nov. 21.
Kerf-cutting machine. F. A. Lindgren. Re. 22,563; Nov. 21.
Mechanism for cutting and looping springs. C. G. Hicks. Re. 22,567; Nov. 21.
Rubber articles, Method and machine for treating thin. G. A. Fingado and H. Ludwig. Re. 22,561; Nov. 21.
Textile materials, Treatment of woolen. E. P. Johnstone, Jr. Re. 22,566; Nov. 21.
Wiring and the like clip device. H. J. Murphy. Re. 22,564; Nov. 21.

LIST OF DESIGN INVENTIONS

Airplane. E. H. Heinemann and L. J. Devlin. 139,507; Nov. 21.
Applique or similar article. J. Rafelman. 139,478; Nov. 21.
Applique or similar article. J. Rafelman. 139,490; Nov. 21.
Backplate for rearview mirror and reflector, Combined. H. Golden. 139,506; Nov. 21.
Bracket and guide, Combined window shade. E. A. Littman. 139,464; Nov. 21.
Cap and comb, Combination. A. E. Sierad. 139,492; Nov. 21.
Case or the like, Cigarette. J. C. Foster. 139,469; Nov. 21.
Clasp for a hand bag or similar article. J. De Pasquale and A. Westerman. 139,466; Nov. 21.
Coffee makers, Handle for. J. M. Moore. 139,489; Nov. 21.
Container, Perfume. G. Bennett. 139,495. Nov. 21.
Cover or the like, Game table. S. Edelson. 139,502; Nov. 21.
Desk unit, Combination. E. C. Gilman. 139,503; Nov. 21.
Doll. C. G. Davis. 139,458; Nov. 21.
Doll. V. E. McMahan. 139,465; Nov. 21.
Doll. C. Del Vecchio. 139,467; Nov. 21.
Drafting device. W. G. Dentzler, Jr. 139,459; Nov. 21.
Dress. B. Sheinbaum. 139,491; Nov. 21.
Foot rest. S. S. Sadler. 139,504; Nov. 21.
Frame or similar article, Picture. M. E. Gabriel. 139,470; Nov. 21.
Frame, Spectacle. V. Salierno. 139,500; Nov. 21.
Handle, Implement. M. P. Laughlin. 139,475; Nov. 21.
Head for a retinoscope or the like. C. A. Ellis. 139,497; Nov. 21.
Head for an ophthalmoscope or the like. C. A. Ellis. 139,498; Nov. 21.
Head for an otoscope or the like. C. A. Ellis. 139,496; Nov. 21.
Head, Golf club. J. J. Jakosky. 139,462–3; Nov. 21.
Heel, Rubber. R. E. Sannar. 139,501; Nov. 21.
House. G. W. Walker. 139,494; Nov. 21.
Kit, Sewing. E. E. Koch. 139,386; Nov. 21.
Lavatory. B. N. Trombley. 139,483; Nov. 21.
Medallion or the like, Embroidered. M. Fixler. 139,468; Nov. 21.
Partition or the like, Draped. M. Lange. 139,474; Nov. 21.
Picture mount or similar article. R. Hendrix. 139,471; Nov. 21.
Pin or similar article. H. A. Malinowski. 139,488; Nov. 21.
Puller, Battery terminal. W. E. Jarvis. 139,485; Nov. 21.
Rack, Towel. F. Sale. 139,479; Nov. 21.
Range. J. G. Lippincott. 139,487; Nov. 21.
Range, Combination solid and fluid fuel. A. T. Thygeson. 139,482; Nov. 21.
Range, Combination solid and fluid fuel. A. T. Thygeson. 139,493; Nov. 21.
Range, Gas. A. T. Thygeson. 139,480–1; Nov. 21.
Saw, Radial arm. B. Miller. 139,476; Nov. 21.
Shelf, Telephone supporting. R. H. Hose. 139,472; Nov. 21.
Shirt or similar article. S. Epstein. 139,484; Nov. 21.
Shoe. H. Henkel. 139,499; Nov. 21.
Shrinker, Angle. C. L. Beard. 139,505; Nov. 21.
Stand, Smoke. U. B. Kronenwetter. 139,473; Nov. 21.
Stocking. L. Oseroff. 139,477; Nov. 21.
Threader, Needle. S. A. de Waltoff. 139,509; Nov. 21.
Tumbling apparatus. G. E. Huenerfauth. 139,460; Nov. 21.
Tumbling machine. G. E. Huenerfauth. 139,461; Nov. 21.
Wheel, Automobile steering. W. H. Snow. 139,508; Nov. 21.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 21ST DAY OF NOVEMBER, 1944

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrading tool. W. J. Wachowitz. 2,363,102; Nov. 21.
Abrasive band. W. T. Anderson. 2,362,979; Nov. 21.
Acetonyl thioethers. G. H. Morey. 2,363,462; Nov. 21.
Actuator control. W. H. Green and S. L. Adelson. 2,363,174; Nov. 21.
Air circulator. J. W. Miller. 2,363,191; Nov. 21.
Air conditioning system. W. H. Carrier. 2,363,294; Nov. 21.
Airplane. J. Heitmann. 2,363,129; Nov. 21.
Airplane lift dolly. C. P. Baum. 2,362,981; Nov. 21.
Air-speed indicator. W. A. Reichel. 2,363,143; Nov. 21.
Alcohols and making same, N-substituted amino. M. Senkus. 2,363,465; Nov. 21.
Alkylation, Catalytic. F. J. Beyerstedt. 2,363,222; Nov. 21.
Aminoalkanediols. M. Senkus. 2,363,466; Nov. 21.
Anesthetic compounds. W. F. Ringk. 2,363,083; Nov. 21.
Anesthetic compounds, intermediates, and processes therefor. W. F. Ringk. 2,363,081–2; Nov. 21.
Anthraquinone dyes for animal and related fibers. H. R. Lee and C. A. Young. 2,363,069; Nov. 21.
Apparatus and method for treating pneumatically borne materials. G. D. Arnold. 2,363,281; Nov. 21.
Apparatus for canning skinless sausages. W. M. Yuill. 2,363,218; Nov. 21.
Apparatus for dispensing gas material. P. B. Pew and P. K. Rice. 2,363,200; Nov. 21.
Apparatus for drying. W. Strobridge. 2,363,467; Nov. 21.
Apparatus for filling gas balloons and airships with light gases. J. A. Bertsch. 2,362,966; Nov. 21.
Apparatus for fractionating natural gas. J. L. Hall. 2,363,317; Nov. 21.
Apparatus for heating fluids. J. W. Chamberlain. 2,363,118; Nov. 21.
Apparatus for manufacturing ceramic coil forms. W. M. Siesel. 2,363,448; Nov. 21.
Apparatus for molding plywood. B. Moorhouse. 2,363,431; Nov. 21.
Arc-stabilizing circuits. C. H. Jennings and A. B. White. 2,363,332; Nov. 21.
Article carrier. C. J. Anchor. 2,363,276; Nov. 21.
Attachment for tractors, Crane. F. P. Lawler. 2,363,341; Nov. 21.
Automatic system for controlling the direction of moving bodies. G. A. Rubissow. 2,363,363; Nov. 21.
Axle housings, Forming. W. J. S. Ekins. 2,363,304; Nov. 21.
Axle, Steering drive. H. W. Alden. 2,362,978; Nov. 21.
Baffle for oil heaters, Diffusion. O. C. Schauble. 2,363,267; Nov. 21.
Ball cores, Making. G. Ryan. 2,363,086; Nov. 21.
Barrel hoop fastener. E. A. Johnson. 2,363,423; Nov. 21.
Bearing: *See*—
Thrust and journal bearing
Bearing for rope stranding machines. L. C. Peskin. 2,363,260; Nov. 21.
Beet thinner. G. A. Schiel and G. P. Beren. 2,363,268; Nov. 21.
Bellows type pump. E. R. Gill, Sr. 2,363,410; Nov. 21.
Beta-aminoalkyl acetals. M. Senkus. 2,363,464; Nov. 21.
Bile pigments, Recovering. J. D. Porsche and R. H. Sifferd. 2,363,471; Nov. 21.
Biscuits or other sweetmeats to chocolate enrobing machines and the like, Feeding of. A. A. Tunley. 2,363,211; Nov. 21.
Blasting cap. R. W. Lawrence. 2,363,254; Nov. 21.
Blasting machine, Centrifugal. R. E. Peterson. 2,363,437; Nov. 21.
Block: *See*—
Track block.
Board: *See*—
Electric panel board.
Boat hull. C. A. Huard. 2,363,421; Nov. 21.
Bobbin can for weft replenishing looms. R. G. Turner. 2,363,100; Nov. 21.
Bolster center filler, Welded. J. Christiansen. 2,363,397; Nov. 21.
Bonded articles, Making ceramic. N. P. Robie. 2,363,146; Nov. 21.
Bottle carrier. W. Haugner. 2,363,180; Nov. 21.
Bottle carrier. One-piece, handled. C. L. Gilbert. 2,362,995; Nov. 21.
Bottle holder. W. B. Crane. 2,362,990; Nov. 21.
Box-filler construction. N. A. Petter. 2,363,199; Nov. 21.
Brake: *See*—
Railroad car hand brake. Railway brake.
Brake adjusting means, Automatic. S. Schnell. 2,363,152; Nov. 21.
Brassière. D. I. Cohen. 2,362,974; Nov. 21.
Briquettes, bricks or solid agglomerates, Forming. J. C. Vignos. 2,363,371; Nov. 21.
Brush elements, Making. G. V. Woodling. 2,363,217; Nov. 21.
Buckle. F. A. Best. 2,362,982; Nov. 21.
Building construction. J. K. Eichelberger. 2,363,405; Nov. 21.
Burner: *See*—
Gas burner.
Burner control, Wick type oil. H. C. Shagaloff. 2,363,443; Nov. 21.
Burner for fuels containing tetraethyl lead. B. W. Tullis. 2,363,098; Nov. 21.
Burner for fuels containing tetraethyl lead and other objectionable foreign matter. B. W. Tullis. 2,363,099; Nov. 21.
Butter conditioner. A. F. Wild. 2,363,375; Nov. 21.
Cabinet: *See*—
Towel cabinet.
Cabinet. D. W. Witkin. 2,363,454; Nov. 21.
Cable tension regulator. J. W. Cade. 2,363,228–9; Nov. 21.
Calibrating tool. N. Mars. 2,363,347; Nov. 21.
Can bodies, Making sheet metal. W. F. Punte. 2,363,358; Nov. 21.
Can seamer, Vacuum. A. G. Hopkins. 2,363,248; Nov. 21.
Cap: *See*—
Blasting cap.
Capillary element, Fabricated compensated. L. M. Persons. 2,363,140; Nov. 21.
Capstan, Planetary. T. W. Sprake. 2,363,093; Nov. 21.
Carburetor. C. E. Bonnier. 2,363,223; Nov. 21.
Carburetor. M. Mallory. 2,363,346; Nov. 21.
Carburetor, Auxiliary. R. Shipman. 2,363,153; Nov. 21.
Card, Mailing. L. S. Ritter. 2,363,472; Nov. 21.
Carrier: *See*—
Article carrier. Bottle carrier.
Cartoon cell and making same. J. A. Ball. 2,362,980; Nov. 21.
Casings, Sealing bore hole. M. Schlumberger. 2,363,269; Nov. 21.
Catalyst, Alkylation. R. Rosen. 2,363,264; Nov. 21.
Catalysts, Using cracking. G. C. Connolly. 2,363,231; Nov. 21.
Catalytic demuriation. J. C. Michalek and E. R. Erickson. 2,363,011; Nov. 21.
Catalytic process and apparatus. I. L. Wolk and J. D. Upham. 2,363,274; Nov. 21.
Cathode filament. C. J. Warnke. 2,363,028; Nov. 21.
Caulking compound. D. H. Tollstrup. 2,363,468; Nov. 21.
Cellulose esters, Preparation of. G. W. Seymour and B. B. White. 2,363,091; Nov. 21.
Ceramic materials. J. R. Lait. 2,363,067; Nov. 21.
Chair. F. D. Fields and G. D. Wood. 2,363,054; Nov. 21.
Chemical manufacture. W. L. Savell. 2,363,150; Nov. 21.
Chemistry. W. P. McDorman. 2,363,188; Nov. 21.
Chuck, Quick-acting or speed. R. W. Goodwin. 2,363,411; Nov. 21.
Chute. Ammunition. H. Adamson. 2,363,219; Nov. 21.
Circuit: *See*—
Electron discharge circuit. Television signal translating circuit.
Circuit controller. E. E. Arnold. 2,363,280; Nov. 21.
Circuit interrupter. B. P. Baker and A. H. Bakken. 2,363,283; Nov. 21.
Circuit interrupter. J. L. Cotter. 2,363,295; Nov. 21.
Circuit interrupter. F. E. Florschutz. 2,363,307; Nov. 21.
Circuit interrupter. H. L. Rawlins. 2,363,360; Nov. 21.
Circuit interrupter. A. P. Strom. 2,363,370; Nov. 21.
Clamp: *See*—
Work-holding clamp.
Clamping device. A. P. Buquor. 2,363,392; Nov. 21.
Cleaner: *See*—
Suction cleaner.
Cleaning pad. D. P. Israel. 2,363,064; Nov. 21.
Clip for control knobs, Attaching. J. Nirdlinger. 2,363,194; Nov. 21.
Closure for paper containers. F. J. O'Brien. 2,363,352; Nov. 21.
Clutch: *See*—
Helix clutch.
Clutch tap and die holder. J. F. Allen. 2,363,379; Nov. 21.
Coating apparatus. J. Flaws, Jr. 2,363,055; Nov. 21.
Coating materials and making them. P. D. Watson. 2,363,103; Nov. 21.

Cold forging machine. W. E. Bolland. 2,362,970; Nov. 21.
Combustion apparatus. J. W. Miller. 2,363,192; Nov. 21.
Composition of matter. G. Allen. 2,363,034; Nov. 21.
Composition of matter. G. Allen. 2,363,035; Nov. 21.
Compositions produced by acetalizing and/or ketalizing hydrolyzed copolymers of vinyl organic esters and polyvinyl aryl compounds, Synthetic. G. F. D'Alelio. 2,363,297; Nov. 21.
Conduit connection for enameled tanks. S. Bodnar and W. S. Gaines. 2,362,983; Nov. 21.
Container: *See*—
Dispensing container.
Container separating apparatus. J. Magnusson. 2,363,189; Nov. 21.
Containers, Making paperboard. C. F. Klein. 2,363,425; Nov. 21.
Containers, Testing filled. H. L. Griffin. 2,362,997; Nov. 21.
Control device. J. H. Sulzer. 2,363,208; Nov. 21.
Control system, Motor. W. R. Harding and S. H. Hanville, Jr. 2,363,321; Nov. 21.
Control valve. H. R. Ellinwood. 2,363,235; Nov. 21.
Controlling mechanism for agricultural implements. T. Brown. 2,363,292; Nov. 21.
Cooling locomotive boilers. H. Niksch. 2,363,432; Nov. 21.
Core for golf balls or the like and making. C. W. Greene and R. A. Habermaier. 2,363,059; Nov. 21.
Cot, Finger. G. B. Wong. 2,363,216; Nov. 21.
Coupling: *See*—
Yieldable coupling.
Coupling, flexible mounting, and the like, Flexible. M. Goldschmidt. 2,363,469; Nov. 21.
Cover for furniture, Slip. M. Sugarman. 2,363,271; Nov. 21.
Curler, Hair. R. Krasberg. 2,363,131; Nov. 21.
Cutting device. J. Moss. 2,363,258; Nov. 21.
Cutting mechanism. E. L. Satter. 2,363,097; Nov. 21.
Damper, Fireplace. K. F. Triggs. 2,363,026; Nov. 21.
Dehumidifying apparatus. R. S. Robinson. 2,363,262; Nov. 21.
Delayed-start connection for electric motors. D. E. Fritz. 2,363,310; Nov. 21.
Dental hand piece. E. R. Pertics. 2,363,141; Nov. 21.
Derivatives of hydrogenated rosin. W. J. Kirkpatrick. 2,363,252; Nov. 21.
Device for simultaneously tuning oscillatory circuits. J. van der Heem. 2,363,101; Nov. 21.
Diaphragm core blowing apparatus. A. F. Pfeiffer. 2,363,463; Nov. 21.
Die assembly, Extrusion. G. Ritter. 2,363,261; Nov. 21.
Dirt scraping apparatus. G. E. Daniels. 2,363,402; Nov. 21.
Dispenser: *See*—
Liquid dispenser.
Dispenser and applier, Adhesive tape. A. A. Anderson. 2,363,277; Nov. 21.
Dispensing apparatus. A. J. Lau and R. Donath. 2,363,340; Nov. 21.
Dispensing apparatus. G. Smith. 2,363,155; Nov. 21.
Dispensing container. S. S. Rosen. 2,363,148; Nov. 21.
Dispensing machine. J. P. Koehler, Jr. 2,363,426; Nov. 21.
Display device. D. H. King. 2,363,186; Nov. 21.
Display device and holder for price tags and advertising cards. G. H. Hosmer. 2,363,418; Nov. 21.
Distillate, Production of. W. M. Stratford. 2,363,207; Nov. 21.
Distillation apparatus. C. E. Hemminger. 2,363,246; Nov. 21.
Domestic appliance. J. W. Jacobs. 2,363,184; Nov. 21.
Door construction. T. Madland. 2,363,135; Nov. 21.
Draft and power take-off unit, Combined. R. G. Le Tourneau. 2,363,071; Nov. 21.
Drafting device. W. G. Dentzler, Jr. 2,362,992; Nov. 21.
Drag-out mechanism for furnaces. S. B. Brittain. 2,363,291; Nov. 21.
Dressing mechanism. L. O. Carlsen. 2,363,293; Nov. 21.
Drilling machine. R. B. Mentzer. 2,363,136; Nov. 21.
Drive for landing gear wheels of airplanes. A. C. Gibson. 2,363,126; Nov. 21.
Dump valve. R. J. Anschicks. 2,363,279; Nov. 21.
Dyes of the anthraquinone series. E. C. Buxbaum. 2,363,042; Nov. 21.
Dyestuffs and making the same, Mordant triazole. A. Conzetti and O. Schmid. 2,362,988; Nov. 21.
Dynamometer. J. R. Wrathall. 2,363,377; Nov. 21.
Edge binding for sheet holder covers. W. P. Pitt. 2,363,355; Nov. 21.
Electric arc furnace. R. Nissim. 2,363,078; Nov. 21.
Electric discharge device. E. Lemmers. 2,363,070; Nov. 21.
Electric heating apparatus. C. H. Hodgkins. 2,363,326; Nov. 21.
Electric panel board. R. L. Hodgkins and F. W. Lewis. 2,363,327; Nov. 21.
Electric switch. C. H. Bayer. 2,363,287; Nov. 21.
Electrical apparatus. D. A. Bell. 2,363,288; Nov. 21.
Electrical distribution system. E. T. Carlson. 2,363,396; Nov. 21.
Electrical heating element. B. Horsfield. 2,363,130; Nov. 21.
Electrical measuring device. W. B. Gaylord. 2,363,057; Nov. 21.
Electrical relay. S. B. Aylsworth. 2,363,038; Nov. 21.
Electrolytic preparation of capillary-active quaternary ammonium hydroxides. L. H. Bock. 2,363,386; Nov. 21.
Electrolytic process of preparing quaternary ammonium hydroxide. L. H. Bock. 2,363,387; Nov. 21.
Electron discharge circuit. W. W. Moe. 2,363,349; Nov. 21.
Electronic control system. D. P. Faulk. 2,363,305; Nov. 21.
Elevator control system. W. F. Eames. 2,363,302; Nov. 21.
Encasement for wire drawing dies. O. G. Ferrier. 2,363,406; Nov. 21.
Engine starting device. C. E. Gossling and J. A. Smith. 2,363,412; Nov. 21.
Enol ethers of α,β-unsaturated steroid ketones, Manufacture of. H. Köster. 2,363,338; Nov. 21.
Envelopes, Method of and apparatus for making zigzag or fan-folded assemblies of series connected. V. E. Heywood. 2,363,417; Nov. 21.
Equipment for cutting circles in metal sheets or plates. W. H. Kohlhafer and F. J. Olenik. 2,363,007; Nov. 21.
Esters of acrylic acid. A. M. Clifford. 2,363,044; Nov. 21.
Expandible plastic mold. S. H. A. Young. 2,363,107; Nov. 21.
Explosive projectile. W. E. Thibodeau. 2,363,024; Nov. 21.
Fabric onto prefabricated fabric blanks, Knitting. F. Lambach. 2,363,008; Nov. 21.
Facsimile machine. A. G. Cooley. 2,363,398; Nov. 21.
Fastener: *See*—
Barrel hoop fastener.
Fastener. F. Headon. 2,363,322; Nov. 21.
Fasterner for crypt fronts. J. B. and O. A. Sinner. 2,363,156; Nov. 21.
Fastening device. G. A. Tinnerman. 2,363,210; Nov. 21.
Fastening, Nut and bolt socket. F. A. Klaus. 2,363,006; Nov. 21.
Feed, Sheet. C. L. Post. 2,363,357; Nov. 21.
Feeder: *See*—
Stock feeder.
Fence, Electric. W. N. Olson. 2,363,433; Nov. 21.
Fermentation process for the production of riboflavin (vitamin B_2). P. R. Burkholder. 2,363,227; Nov. 21.
Fiberboard, Felted water-resistant sheet. H. W. Richter. 2,363,439; Nov. 21.
Fibers, Artificial. M.-O. Schürmann and J. D. Holtz. 2,363,019; Nov. 21.
Film magazine, Continuous. A. C. De Napoli, Jr. 2,363,403; Nov. 21.
Fine adjustment mechanism. H. L. Gibson. 2,363,409; Nov. 21.
Fixture for gas cylinders of rifles, Plating. G. Kalista. 2,363,005; Nov. 21.
Flame coloring sticks, Making. J. P. B. Fiske. 2,363,306; Nov. 21.
Flat knitting frame. W. Welker. 2,363,032; Nov. 21.
Frame: *See*—
Flat knitting frame.
Froth flotation treatment of low grade magnesite ore. A. J. Weinig. 2,363,031; Nov. 21.
Fruits or vegetables, Processes of and compositions for protectively coating fresh. C. D. Cothran. 2,363,232; Nov. 21.
Fuel control for combustion apparatus. J. W. Miller and R. E. Fell. 2,363,190; Nov. 21.
Fuel, Production of motor. A. E. Dunstan and S. F. Birch. 2,363,300; Nov. 21.
Furnace: *See*—
Electric arc furnace.
Fuse. J. H. Church and G. J. Kessenich. 2,362,987; Nov. 21.
Fuse, Delayed action. H.-G. Doll. 2,363,234; Nov. 21.
Garment folding machine. H. G. Cooper. 2,362,976; Nov. 21.
Gas analyzer. L. L. Vayda and J. A. Stein. 2,363,027; Nov. 21.
Gas burner. H. L. Brownback. 2,362,972; Nov. 21.
Gas eliminator. R. M. Lindgren. 2,363,343; Nov. 21.
Gas into vapor, System for converting a liquefied. L. A. Bliss and O. A. Hansen. 2,362,968; Nov. 21.
Gas material, Method and apparatus for dispensing and conserving. G. J. Boshkoff. 2,362,984; Nov. 21.
Gauge: *See*—
Strain gauge. Work gauge.
Gauge. R. M. Greenleaf and J. L. Hunt. 2,363,060; Nov. 21.
Gear and buffer stem mounting, Railroad car draft. K. F. Nystrom and V. L. Green. 2,363,197; Nov. 21.
Gear transmission, Variable speed epicyclic. J. P. Popoff. 2,363,201; Nov. 21.
Girdle. C. Stone. 2,363,368; Nov. 21.
Grading device. S. C. Maurice. 2,363,348; Nov. 21.
Grapple. D. H. Mitchell. 2,363,076; Nov. 21.
Grate, Filling fork. Q. M. Hancock. 2,363,460; Nov. 21.
Grinding machine. R. D. Heffelfinger. 2,363,128; Nov. 21.
Guard, Cable. R. T. Parker. 2,363,353; Nov. 21.
Guide bushing for drills. R. T. Roye. 2,363,085; Nov. 21.
Gun, Flow. J. S. Stewart. 2,363,023; Nov. 21.

Gun turret. Antiaircraft. H. M. Pflager. 2,363,356; Nov. 21.
Hanger: *See*—
Insulated hanger. Sliding door hanger.
Hardware and screen cloth machine. N. S. Harter. 2,363,415; Nov. 21.
Hasp for padlocks. E. D. Livenick. 2,363,344; Nov. 21.
Hearing aid, Electrically and acoustically excited. F. M. Grossman. 2,363,175; Nov. 21.
Heat exchanger. J. W. Brown, Jr. 2,362,985; Nov. 21.
Heat treatment of magnesium alloys. R. S. Busk. 2,363,394; Nov. 21.
Heater: *See*—
Oil heater.
Heater. H. J. Findley. 2,363,168; Nov. 21.
Heating apparatus. D. F. Jones and J. W. Miller. 2,363,185; Nov. 21.
Heating apparatus, Electric. C. H. Hodgkins. 2,363,326; Nov. 21.
Heating elements, Making electrical. B. Horsfield. 2,363,329; Nov. 21.
Helix, clutch. E. S. Larson. 2,363,253; Nov. 21.
Highway grade and subgrade materials, Treatment of. J. W. Poulter. 2,363,018; Nov. 21.
Holder: *See*—
Bottle holder. Tool holder.
Surgical needle holder.
Holder for boring bars. L. L. Williams. 2,363,215; Nov. 21.
Holder for containers. A. Manning and A. Onuska. 2,363,256; Nov. 21.
Hook: *See*—
Utility hook.
Hormone and hormonelike components of the pituitary gland, Separation of the. G. A. Fleischer and E. S. Montclair. 2,362,993; Nov. 21.
Hosiery inspecting machine. E. R. Ammon. 2,363,380; Nov. 21.
House of prefabricated room units. E. W. Penton. 2,363,259; Nov. 21.
Hydraulic valve. R. D. Bennett. 2,363,111; Nov. 21.
Hydrocarbon from a mixture containing the same, Separation of an unsaturated. B. S. Friedman and R. F. Stedman. 2,363,309; Nov. 21.
Hydrocarbon products, Nonvolatile. E. C. Hughes. 2,363,001; Nov. 21.
Hydrocarbons, Alkylation of. F. H. Bruner. 2,363,116; Nov. 21.
Hydrocarbons, Catalytic conversion of. C. L. Thomas. 2,363,025; Nov. 21.
Hydrocarbons from petroleum fractions, Producing valuable aromatic. R. Rosen. 2,363,263; Nov. 21.
Hydrocarbons, Polymerization of. L. A. Bannon. 2,363,221; Nov. 21.
Hydrocarbons, Treatment of. E. T. Layng. 2,363,187; Nov. 21.
Hydropneumatic, pumping jack. W. B. Reed. 2,363,142; Nov. 21.
Improved bleeder valve. C. E. Bridwell. 2,363,290; Nov. 21.
Indicating device. E. Frischknecht. 2,363,056; Nov. 21.
Indicating means, Wind course. G. F. Salisbury. 2,363,087; Nov. 21.
Indicator: *See*—
Air-speed indicator.
Ink well. R. E. Stroh. 2,363,369; Nov. 21.
Insole, Welt. W. C. Wright. 2,363,455; Nov. 21.
Instrument, Detachable. P. MacGahan. 2,363,345; Nov. 21.
Instrument for computing firing data. N. L. Fuller. 2,363,173; Nov. 21.
Insulated hanger. R. P. Hanna and B. A. Rose. 2,363,318; Nov. 21.
Insulating panels, Securing means for. J. Cowin. 2,363,296; Nov. 21.
Insulation, Electrical. L. R. Hill. 2,363,324; Nov. 21.
Iron from tin, Removal of. R. H. Graves. 2,363,127; Nov. 21.
Jack: *See*—
Hydropneumatic pumping jack.
Kiln, Rotary. R. C. Buehl. 2,363,390; Nov. 21.
Knee protector. F. B. Gill. 2,363,058; Nov. 21.
Ladder, Fish. D. R. Smith. 2,363,154; Nov. 21.
Laminated material, High-pressure. L. R. Hill. 2,363,323; Nov. 21.
Lamp jacket, Vapor. L. R. Keiffer. 2,363,109; Nov. 21.
Lamp retaining ring, Airplane landing light. J. M. Roper. 2,363,147; Nov. 21.
Lantern, Utility. R. T. Sand. 2,363,088; Nov. 21.
Latch: *See*—
Post socket latch.
Lathe, Automatic. W. Facks. 2,363,053; Nov. 21.
Laxatives. J. H. Kane and W. H. Staebner. 2,363,108; Nov. 21.
Layout instrument. F. J. Vierling. 2,363,166; Nov. 21.
Light transmitting elements, Protecting. C. F. Hutchings. 2,363,422; Nov. 21.
Liquid dispenser. J. H. Schlesinger. 2,363,474; Nov. 21.
Liquid shutoff valve. G. E. Franck. 2,363,123; Nov. 21.
Liquids, Degassing of. C. H. Holder. 2,363,247; Nov. 21.
Loading apparatus. V. Smely. 2,363,204; Nov. 21.
Lock washer. D. H. Hanson. 2,363,319; Nov. 21.
Lubricants, Addition agent for. C. M. Loane and J. W. Gaynor. 2,363,133; Nov. 21.
Lubricating composition, Stable. A. J. Morway and J. C. Zimmer. 2,363,013; Nov. 21.
Machine for making double loop hook and tie bands. H. G. Drake and J. L. Wingate. 2,363,404; Nov. 21.
Magnesite, Flotation of. A. J. Weinig. 2,363,030; Nov. 21.
Magnet release for gate doors and for other purposes. B. Steele. 2,363,021; Nov. 21.
Magnet release for starting gates. B. Steele. 2,363,022; Nov. 21.
Mask, Welder's. F. D. Huntsman. 2,363,461; Nov. 21.
Mast structure and method of erection. H. J. Woolslayer, E. A. Campbell, and C. Jenkins. 2,363,106; Nov. 21.
Mat. G. D. Murray and G. N. Allen. 2,363,139; Nov. 21.
Materials and product thereof, Method for reforming. J. E. Harvey, Jr., R. H. White, Jr., and J. A. Vaughan. 2,363,240; Nov. 21.
Materials, Conversion of. J. E. Harvey, Jr., R. H. White, Jr., and J. A. Vaughan. 2,363,245; Nov. 21.
Materials, Producing valuable. J. E. Harvey, Jr., R. H. White, Jr., and J. A. Vaughan. 2,363,239; Nov. 21.
Materials, Production of useful. J. E. Harvey, Jr. 2,363,237; Nov. 21.
Measuring and control apparatus. E. A. Keeler. 2,363,336; Nov. 21.
Measuring and controlling system. J. D. Ryder. 2,363,473; Nov. 21.
Measuring instrument. F. J. Vierling. 2,363,165; Nov. 21.
Measuring system. A. B. White. 2,363,372; Nov. 21.
Meter: *See*—
Watthour meter.
Metering pump. K. W. Crossman. 2,363,119; Nov. 21.
Microscope. H. N. Ott. 2,363,080; Nov. 21.
Microscope, Electron. S. Ramo. 2,363,359; Nov. 21.
Milk powders, Packaging spray dried. H. Shipstead and A. P. Brant. 2,363,445; Nov. 21.
Milkweed, Method of ginning. B. Berkman. 2,362,965; Nov. 21.
Mine car, Drop-bottom. T. M. Cate and R. E. Jones. 2,362,986; Nov. 21.
Mirrors, Making. W. Peacock. 2,363,354; Nov. 21.
Moistening device. J. B. Tweeten. 2,363,163; Nov. 21.
Moistureproofing cellulosic sheets. F. D. Bergstein. 2,363,289; Nov. 21.
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Mold and making it. J. M. Kelly. 2,363,337; Nov. 21.
Motor fuel, Making. J. H. James. 2,363,331; Nov. 21.
Motor fuel, Production of. A. E. Dunstan and S. F. Birch. 2,363,301; Nov. 21.
Motor vehicle. H. C. Harbers and H. F. Cook. 2,363,178; Nov. 21.
Mount, Truck body. J. M. Franks. 2,363,172; Nov. 21.
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Muffler, Air-cooled. P. E. Fluor. 2,363,236; Nov. 21.
Nail or the like, Expansion. R. G. Boelter. 2,362,969; Nov. 21.
Navigational control means. C. J. Crane and R. K. Stout. 2,363,401; Nov. 21.
New product, Providing a. J. E. Harvey, Jr., R. H. White, Jr., and J. A. Vaughan. 2,363,242; Nov. 21.
Oil, Compounded mineral. R. J. Miller and J. T. Rutherford. 2,363,012; Nov. 21.
Oil heater. O. C. Schauble. 2,363,266; Nov. 21.
Oil, Lubricating. R. F. McCleary. 2,363,134; Nov. 21.
Oil, Treating soybean. P. Oertling. 2,363,016; Nov. 21.
Oiling device and oil gauge stick, Combined. T. J. Keenan. 2,363,424; Nov. 21.
Optical device for viewing photographic images. C. Langberg. 2,363,427; Nov. 21.
Optical instrument. O. W. Boughton and H. F. Kurtz. 2,363,388; Nov. 21.
Ore treatment, Magnesite. A. J. Weinig. 2,363,104; Nov. 21.
Ores, Treating lateritic. J. D. Grothe. 2,363,315; Nov. 21.
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Organic compounds, Alkylation and aralkylation of. D. M. Jones. 2,363,003; Nov. 21.
Organic materials in dry storage, Preserving valuable elements of. G. D. Arnold. 2,363,037; Nov. 21.
Oven. W. F. Drew. 2,363,120; Nov. 21.
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Oxyalkylated esters and making same, Certain water-soluble high molal. M. DeGroote and B. Keiser. 2,363,049; Nov. 21.
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Oyster harvesting apparatus. J. M. Jurisich. 2,363,251; Nov. 21.
Packing machine. C. A. Nicolle. 2,363,014; Nov. 21.

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Paper boring and slotting machine. J. W. Lee and F. Barney. 2,363,255; Nov. 21.
Paper stock, Pneumatic means for stripping laminated. A. L. Scott. 2,363,442; Nov. 21.
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Picker stick checking mechanism. W. J. Budzyna. 2,363,459; Nov. 21.
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Recoil check and barrel accelerator for automatic weapons. S. G. Green. 2,362,996; Nov. 21.
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Scaffolding. C. W. Attwood. 2,363,382; Nov. 21.
Scissors holder for aprons. A. G. Johnson. 2,363,065; Nov. 21.
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Shoe arch appliance. L. Schibi. 2,363,151; Nov. 21.
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Shutoff device, Safety. C. V. Hildebrecht. 2,363,063; Nov. 21.
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Signaling system. R. V. L. Hartley. 2,363,062; Nov. 21.
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6,10,14-trimethyl-pentadecanone-2, Making. L. I. Smith and J. A. Sprung. 2,363,092; Nov. 21.
Size and making the same, Noncrystallizing rosin. J. T. Cassaday. 2,362,973; Nov. 21.
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Solvent extraction. A. J. De Rosset. 2,363,298; Nov. 21.
Speed correction in telegraph circuits. J. A. Spencer. 2,363,367; Nov. 21.
Speed mechanism, Variable. E. A. Terrell. 2,363,161; Nov. 21.
Speed responsive device, Vehicular. L. L. Bosch. 2,362,971; Nov. 21.
Spindle supporting apparatus. R. W. Young. 2,363,378; Nov. 21.
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Submersible pump. G. P. E. Howard. 2,363,419–20; Nov. 21.
Suction cleaner. E. R. Swann. 2,363,452; Nov. 21.
Sulphonic acids of the aromatic series and their manufacture, Halogen substituted acylamino. H. Martin, H. H. Zaeslin, R. Hirt, C. Glatthaar, and A. Staub. 2,363,074; Nov. 21.
Supervisory control system. J. R. Harrington. 2,363,061; Nov. 21.
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Surface grinder with auxiliary spindle. W. G. Baldenhofer. 2,363,039; Nov. 21.
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Surgical needle holder. W. O. Jones. 2,363,334; Nov. 21.
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Teeth for drill cutters. F. L. Scott. 2,363,202; Nov. 21.
Telegraph system, Facsimile. L. A. Smith. 2,363,270; Nov. 21.
Telephone dial system, Automatic. J. Lobel. 2,363,428; Nov. 21.
Telephone electrical circuit control system. D. A. Robbins. 2,363,145; Nov. 21.
Telephone substation ringer. F. J. Stehlik and F. Schumann. 2,363,095; Nov. 21.
Television signal translating circuit. R. B. Dome. 2,363,299; Nov. 21.
Temperature changing device. G. D. Arnold. 2,363,282; Nov. 21.
Temperature controlling and indicating system, Resistance type. D. N. Crosthwait and E. W. Werts. 2,362,977; Nov. 21.
Temperature responsive device. R. P. Mattern. 2,363,075; Nov. 21.

Terphenyls, Isomerization of. R. D. Swisher. 2,363,209; Nov. 21.
Thermocouple and pilot burner. H. A. Mantz. 2,363,072; Nov. 21.
Thermoresponsive device. A. Stockstrom. 2,363,451; Nov. 21.
Thermostat. K. L. Woodman. 2,363,376; Nov. 21.
Thread, Making. S. W. Alderfer. 2,363,457; Nov. 21.
Thrust and journal bearing. A. Meldahl. 2,363,430; Nov. 21.
Tie for hose clamps. V. E. Sprouse. 2,363,206; Nov. 21.
Time current interrupter for control of furnaces, Variable. E. G. Guenzel and M. S. Kiss. 2,363,413; Nov. 21.
Tire grooving apparatus. E. L. Bivans. 2,362,967; Nov. 21.
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Tomatoes and the juices thereof, Dehydrating. H. J. Moore. 2,363,193; Nov. 21.
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Tooling mechanism and attachment, Double end. C. H. Adams. 2,363,033; Nov. 21.
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Torch support. J. L. Anderson. 2,363,036; Nov. 21.
Torch tip. A. F. Jenkins. 2,363,250; Nov. 21.
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Toxic material. J. E. Harvey, Jr., R. H. White, Jr., and J. A. Vaughn. 2,363,244; Nov. 21.
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Track stabilizing method and system, Control. H. I. Reiskind. 2,363,361; Nov. 21.
Traction unit, Demountable. W. E. Wine. 2,363,105; Nov. 21.
Tractor. H. S. Eberhard. 2,363,052; Nov. 21.
Trailer body and floor construction. R. A. Fontaine. 2,363,170; Nov. 21.
Train order holding device. W. L. White and W. L. White. 2,363,214; Nov. 21.
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Truck, Self-loading dump. R. H. Frost. 2,362,994; Nov. 21.
Tubular members, Forming and applying cooling fins to. W. B. Bronander. 2,363,224; Nov. 21.
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Useful products and producing them. J. E. Harvey, Jr., R. H. White, Jr., and J. A. Vaughan. 2,363,241; Nov. 21.
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Utility hook. A. Landau. 2,363,275; Nov. 21.
V-belt and fastener. V. R. Clark. 2,363,043; Nov. 21.
Vacuum cleaner construction. G. D. Jaquith and K. N. Elliott. 2,363,002; Nov. 21.
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Valve seats and similar areas, Grinding. R. S. Beverlin. 2,363,384; Nov. 21.
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Vaporizer. J. B. Schmitt. 2,363,365; Nov. 21.
Variable speed drive, Series. W. R. Harding and S. H. Hanville, Jr. 2,363,320; Nov. 21.
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Vehicle position indicating means. F. C. P. Henroteau. 2,363,416; Nov. 21.
Vehicle wheel. J. H. Hunt and H. J. Horn. 2,363,182–3; Nov. 21.
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Vibration pickup. K. Ehrgott and A. C. Hagg. 2,363,303; Nov. 21.
Vinyl esters of unsaturated acids. W. Bauer and C. T. Kautter. 2,363,286; Nov. 21.
Vise. R. S. Condon and W. H. Williams. 2,363,230; Nov. 21.
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CLASSIFICATION OF PATENTS

ISSUED NOVEMBER 21, 1944

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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CLASSIFICATION OF DESIGNS

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THE

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Total	819		

Classification Bulletin No. 88

Classification Bulletin No. 88 is now available and may be purchased from the Commissioner of Patents for ten cents.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective parties were not the first inventors with respect to the claims listed:

Pat. 2,294,013, F. C. Wallace, Clamping tool, decided November 2, 1944, claim 5.

Pat. 2,304,186, C. V. Litton, Velocity modulated tube, decided October 30, 1944, claim 3.

Pat. 2,309,966, C. V. Litton, Velocity modulated electrical discharge tube, decided October 30, 1944, claim 12.

Disclaimer

2,233,144.—*Roderick D. Pinkerton*, Chicago, Ill., and *William Mendius*, Munster, Ind. MANUFACTURE OF GASOLINE. Patent dated February 25, 1941. Disclaimer filed October 31, 1944, by the assignee, *Sinclair Refining Company*.

Hereby enters this disclaimer to claim 3 of said patent.

Notices of Cancellation

U. S. PATENT OFFICE, *Richmond, Va., Oct. 27, 1944.*

Truly Warner Stores Corporation, its assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Craddock-Terry Shoe Corporation, Lynchburg, Va., to effect the cancellation of trade-mark registration of Truly Warner Stores Corporation, 24 East 42nd St., New York, N. Y., No. 314,181, dated June 19, 1934, and counsel for said Truly Warner Stores Corporation having stated that they are unable to locate said Truly Warner Stores Corporation, notice is hereby given that unless said Truly Warner Stores Corporation, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Richmond, Va., Oct. 27, 1944.*

Weinman & Oelbaum, Inc., its assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Wembley, Inc., 910 Poeyfarre Street, New Orleans, La., to effect the cancellation of trade-mark registration of Weinman & Oelbaum, Inc., 28–30 East 10th Street, New York, N. Y., No. 220,383, dated November 9, 1926, and the notice of such proceeding sent by registered mail to the said Weinman & Oelbaum, Inc. at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Weinman & Oelbaum, Inc., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER.
First Assistant Commissioner.

U. S. PATENT OFFICE, *Richmond, Va., Oct. 31, 1944.*

Augustine J. Long, his assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Standard Milling Company, 88 Lexington Ave., New York, N. Y., to effect the cancellation of trade-mark registration of Augustine J. Long, 407 Fifth St., Macon, Georgia, No. 118,422, dated September 4, 1917, renewed September 4, 1937, and the notice of such proceeding sent by registered mail to the said Augustine J. Long at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Augustine J. Long, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Condition of Applications Under Examination at Close of Business November 11, 1944

(Total number of applications awaiting action, excluding Trade-Mark Division, 52,468; Trade-Mark Division, 1,766. Oldest new case, Nov. 8, 1943; oldest amended, Nov. 1, 1943.)
(The dates given are 1944 except where † indicates 1943)

Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
1. TUCKER, M. W., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	May 1	June 17	593
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	Feb. 24	Mar. 13	744
3. WOLFFE, S., Metal Founding; Metallurgy; Metal Treatment; Compositions (part)	Apr. 6	Apr. 3	1,136
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Pneumatic Dispatch; Store Service; Mining, Quarrying and Ice Harvesting.	Apr. 26	June 21	527
5. ROBINSON, C. W., Glass; Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps.	Jan. 11	Jan. 11	1,401
6. GENIESSE, E. W., Carbon Chemistry (part)	Mar. 30	Apr. 27	1,190
7. JARBOE, C. G., Optics, Photography	June 28	July 8	773
8. IMUS, A. E., Furniture; Kitchen and Table Articles; Locks and Cabinets	June 21	June 20	682
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	Apr. 25	Apr. 29	854
10. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	July 3	June 16	344
11. SPINTMAN, S., Machine Elements (part); Engine Starters; Clutches and Power Stop Control	Jan. 15	Jan. 13	1,176
12. BEALL, T. E., Gear Cutting, Milling, Planing; Metal Working (part); Needle and Pin Making; Turning.	June 7	May 19	528
13. HANLIN, GEORGE, Metal Working (part); Farriery; Wire Fabrics	May 11	May 18	758
14. HENKIN, BENJ., Natural Resins, Rubber (part); Proteins, Carbohydrates and Derivatives; Plastics	May 24	May 2	709
15. SPENCER, C. J., Telegraphy; Telephony	May 10	May 6	541
16. HABECKER, LEON B., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Jan. 19	Feb. 5	562
17. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	†Dec. 31	†Dec. 16	931
18. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	Apr. 12	Mar. 16	668
19. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part); Bank Protection; Safes.	June 5	June 16	540
20. THOMPSON, T. J., Textiles	Apr. 25	May 6	457
21. CARPENTER, B. H., Aeronautics; Firearms; Ordnance	Mar. 30	Apr. 1	1,229
22. BARROWS, B., Cash Registers; Calculators (part)	Feb. 22	Feb. 3	149
23. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines	Aug. 1	July 17	468
24. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	Apr. 12	Apr. 21	774
25. YOUNG, R. R., Electricity—Generation and Motive Power	Jan. 31	Feb. 1	926
26. CLARK, W. N., Brush, Broom, and Mop Making; Brushing, Scrubbing and General Cleaning; Cleaning and Liquid Contact with Solids; Textiles, Fluid Treating Apparatus; Ironing; Washing Apparatus.	May 19	Feb. 29	611
27. SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders, Pistons.	Mar. 9	Feb. 19	856
28. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Package and Article Carriers; Woodworking; Tools; Metal Working, Assembling.	Apr. 26	Apr. 13	947
29. McCANN, LEO P., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	Feb. 25	Mar. 1	1,036
30. DUNCOMBE, C. S., Hydrocarbons; Mineral Oils	June 10	June 9	1,004
31. LESH, K., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	June 9	May 22	783
32. HULL, J. S., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements; Plastic Block and Earthenware Apparatus.	July 13	July 8	717
33. SAPERSTEIN, S., Electricity—Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators.	Apr. 18	May 15	474
34. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	May 6	May 6	713
35. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	Mar. 25	Apr. 4	552
36. WEAVER, M. E., Electricity, Circuit Makers and Breakers	†Dec. 24	Feb. 29	839
37. KRAFFT, C. F., Coating Processes; Coating or Plastic Compositions (part); Rubber (part)	Mar. 22	Mar. 31	682
38. WHITNEY, F. L., Fluid-Pressure Regulators; Valves; Water Distribution	Apr. 28	Apr. 29	798
39. DRUMMOND, E. J., Receptacles (part); Packages	June 3	June 12	798
40. HERTZ, M., Coin Handling; Recorders; Deposit Receptacles; Counters and Calculators (part); Typewriting Machines; Check-Controlled Apparatus.	Feb. 14	Feb. 11	393
41. MARANS, H., Electric Signaling; Electricity, Galvanometers and Meters	May 27	May 23	576
42. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	Apr. 14	Apr. 24	746
43. HARVEY, L. P., Refrigeration; Preserving	†Dec. 29	Jan. 5	499
44. HILL, H. D., Shafting and Flexible Shaft Couplings; Wheels, Tires, Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part), Spring, Weight and Horsepower Motors.	Mar. 8	Apr. 11	1,205
45. BLEECKER, V. E., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Coating Apparatus.	Jan. 26	Jan. 26	570
46. KANOF, WM. J., Brakes; Boring and Drilling; Motor Vehicles; Land Vehicles (part)	June 10	May 29	857
47. ROEPKE, O. B., Electricity, General Applications; Electric Igniters	Apr. 12	Apr. 12	837
48. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	May 6	Apr. 28	586
49. LEVIN, SAMUEL, Synthetic Resins	Apr. 12	Apr. 19	1,400
50. CROCKER, A. W., Radiant Energy, Multiplex Telephony, Modulators	Mar. 29	Mar. 29	1,485
51. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits; Ornamentation.	Apr. 12	Apr. 1	1,088
52. PECK, M. E., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	May 18	Apr. 22	670
53. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	Nov. 8	Nov. 1	1,007
54. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Laminated Fabrics (part)	Apr. 20	Mar. 24	551
55. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making	Mar. 23	Mar. 30	879
56. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	†Dec. 31	Mar. 30	868
57. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements	May 11	May 5	684
58. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds	Feb. 22	Feb. 17	1,486
59. GLASS, R. L., Electricity-Heating; Welding; Furnaces; Batteries and Their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	Jan. 26	Jan. 26	971
60. YUNG KWAI, B., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Boats, Buoys and Ships.	May 13	June 14	713
61. PUGH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors	Apr. 17	Apr. 17	1,218
62. WINKELSTEIN, A. H., Poisons; Fermentation; Foods and Beverages; Oils and Fats	Mar. 25	Mar. 22	1,023
63. NASH, P. M., Acetylene; Gas Mixers; Compositions (part); Fuel	June 24	June 19	846
64. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays (e. g., Amplifiers).	Feb. 9	Feb. 18	1,055
TRADE-MARKS: RICHMOND, F. A.	Aug. 25	Oct. 6	1,766
DESIGNS: KALUPY, H. H.	Sept. 25	Oct. 15	785

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE FROST ET AL.

No. 4,918. Decided June 26, 1944

[143 F.(2d) 980; 62 U. S. P. Q. 296]

APPLICATION—DISCLOSURE—RIGHT OF APPLICANT TO MAKE CLAIM COPIED FROM PATENT.

A claim to a method of coating a sheet, copied by appellants from a patent granted to another *Held* not supported by the disclosure of appellants' reissue application.

APPEAL from the Patent Office. Affirmed.

Messrs. Pierce & Scheffler (*Mr. Ralph E. Parker* of counsel) for Frost et al.

Mr. W. W. Cochran (*Mr. E. L. Reynolds* of counsel) for the Commissioner of Patents.

HATFIELD, *J.:*

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting claim 10 in appellants' reissue application No. 454,832, filed August 13, 1942, for the reissue of their Patent No. 2,229,921, issued January 28, 1941.

The claim, which was copied from a patent to J. R. Fanselow (No. 2,257,373, issued September 30, 1941) for interference purposes, is for a method and apparatus for coating sheet material.

It will be observed that appellants' reissue application was filed more than one and one-half years after their patent issued, and approximately ten months after the issuance of the Fanselow patent.

The claim reads:

10. The method of coating a sheet which comprises maintaining a difference of pressure on opposite sides of a barrier having a slot therein, propelling a web, having less thickness than the width of the slot, through said slot from the zone of inferior pressure into the zone of superior pressure, maintaining one surface of said web in contact with said barrier at one side of said slot so as to prevent transverse vibratory movement of said web as it passes through said slot, and applying liquid coating material to the other surface of said web prior to its passage through said slot.

The references are: Lebel, 1,980,923, November 13, 1934; MacDonald, 2,135,406, November 1, 1938; Terry, 2,139,628, December 6, 1938; Fanselow, 2,257,373, September 30, 1941.

Appellants disclose in their reissue application a process and an apparatus for coating a moving web of sheet material. In their process, the web of sheet material is first passed between two rollers, one of which applies a coating composition to one side of the material. The web of sheet material passes from those two rollers between two other rollers which are spaced apart and around one of the two latter rollers, which is referred to as a "supporting roller," with the uncoated side of the web contacting the supporting roller. The roller opposite the supporting roller moves in a direction counter to that of the moving web. The roller opposite the supporting roller is a substantial part of a housing which forms an air chamber in which air is maintained under pressure. Forming a portion of the top of the housing is a "convexly curved lip portion * * * [or shield] which is spaced from the surface of the roller" which forms a part of the housing "to provide an air outlet [or slot] from" the air chamber. The air from the air chamber is forced downwardly through the slot into the space between the two rollers and onto the composition coating on the web of sheet material in a direction counter to that of the moving web of sheet material. The purpose of bringing the coated side of the web into contact with air moving in a direction counter to that in which the web is moving is to smooth the freshly applied layer of composition coating.

It was the contention of counsel for appellants before the tribunals of the Patent Office, and it is their contention here, that the space between the rollers last referred to is the slot called for in the claim, and that as the air is forced downwardly over the coating material, the process defined in appellants' reissue application conforms to the first part of the rejected claim, that is, "maintaining a difference of pressure on opposite sides of a barrier having a slot therein."

In other words, as we understand counsel for appellants, it is their contention that the barrier referred to in appellants' application consists not only of the air chamber, but also the supporting roller.

The patent to Fanselow, in which the appealed claim originated, discloses a sheet-coating process and an apparatus therefor. In the patentee's process a web of sheet material is also coated on one side. The coated material, with the coated side exposed, passes around a roller which forms a part of the wall of a vacuum chamber. The top of the vacuum chamber includes a shoe member which is spaced from the roller to form a slot through which the coated sheet of material passes. As the web of sheet material passes through the slot, the air from the zone of superior pressure (atmospheric pressure) immediately above the shoe of the vacuum chamber rushes into the zone of inferior pressure (the vacuum chamber) and passes over the coating on the web of sheet material in a direction counter to that in which the material is moving, thereby smoothing the coating material.

The tribunals of the Patent Office concurred in holding that appellants could not make claim 10 because they did not disclose in their application a method of coating a web of sheet material by "maintaining a difference of pressure on opposite sides of a barrier having a slot therein."

It is obvious from appellants' disclosure that the only slot in a barrier which conforms to the slot in the Fanselow patent is the space between the curved shield portion which forms a part of the top portion of the pressure chamber and the roller which also forms a part of the chamber. Obviously, appellants' method would not be operative if that

slot was to be considered as the one referred to in the claim. The space between the supporting roller and the roller which forms a part of the pressure chamber in appellants' disclosure is not a slot in a barrier as that term is used in claim 10.

Counsel for appellants take exception to the statement in the Board's original decision that

"the only element of applicants' apparatus that could be called a 'barrier' is element C [the air pressure chamber] in which case the paper web obviously does not go through the slot in the barrier,"

and state that just the opposite is true.

We quote from appellants' application where it is stated that

"the web is conducted past an air-stream directed through a narrow path or channel *bounded on one side by the moving web* [which is carried by the supporting roller] *and on the other side by a confining member*"

which obviously is the air pressure chamber. [Italics not quoted.]

We are of opinion that appellants do not disclose in their application a barrier having a slot therein through which a web of sheet material is passed, as called for by claim 10, and that appellants are not entitled to make that claim.

For the reasons stated, it is unnecessary that we consider the other references of record.

The decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE BOYCE

No. 4,914. Decided June 26, 1944. Petition for rehearing denied October 2, 1944

[— F.(2d) —; 63 U. S. P. Q. 80]

1. APPEAL—EFFECT OF GENERAL AFFIRMANCE BELOW.
   Where the Board of Appeals affirmed the final rejection by the Examiner of claims of appellant's application, and in its decision the Board, while listing all six of the patents cited by the Examiner referred only to one, but did not reverse the Examiner's findings as to any of the others, *Held* that since none had been expressly overruled by the Board, all six patents must be treated as valid references.

2. SAME—REASONS OF APPEAL.
   Where appellant in his reasons of appeal did not challenge the correctness of the Examiner's findings of fact concerning references cited by the Examiner and not expressly overruled by the Board of Appeals, *Held* that their correctness must be assumed.

3. SAME—SAME.
   Where the Board of Appeals, in affirming the final rejection of the Examiner, referred only to one of the six patents cited by the Examiner, but did not expressly overrule the others, and appellant assigned error only with respect to the applicability of that one patent, *Held* that there was no necessity to discuss its applicability, since even if it were not an applicable reference, the decision of the Board could not be reversed upon the reasons of appeal which appellant advanced.

APPEAL from the Patent Office. Affirmed.

Mr. Martin J. Finnegan (*Mr. Charles M. Funkhouser* and *Mr. Stephen Cerstvik* of counsel) for Boyce.

Mr. W. W. Cochran (*Mr. R. F. Whitehead* of counsel) for the Commissioner of Patents.

GARRETT, *P. J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Examiner rejecting three claims numbered 9, 10, and 11, embraced in a divisional application for patent for "Armature Assembling Machines."

Claim 9 reads as follows:

9. In a coil positioning machine for an armature assembly including a slotted core to receive the side portions of the armature coils, rotatable means for exerting a preliminary inserting pressure upon groups of adjacent coil sides, prior to application of full inserting pressure thereto, said means including a roller (21) having a concave surface of a curvature corresponding to that of the armature core.

Claims 10 and 11 cover the same features with additional limitations. Claim 10 recites means for mounting the roller "with its axis transverse to the axis of the armature core" and claim 11 recites means "for rolling said rotatable means longitudinally of the core."

The Examiner cited as references the following six patents: Holden, 1,168,885, January 18, 1916; Cullin, 1,443,526, January 30, 1923; Lynch 1,496,239, June 3, 1924; Schade, 1,544,601, July 7, 1925; Barr, 1,665,522, April 10, 1928; McCaffrey 2,111,457, March 15, 1938.

In its decision the Board, while listing all the references so cited by the Examiner referred only to the Holden patent, but it did not reverse the Examiner's findings as to any of the others. Appellant, apparently, regarded the Board's decision as being based solely on Holden and did not in his reasons of appeal to us assign error as to the application of any other of the references.

The situation thus presented leads us to make certain observations at this place in our decision.

In the case of *In re Wagenhorst*, 20 C. C. P. A. (Patents) 991, 64 F.(2d) 780, 17 U. S. Pat. Q. 330, 433 O. G. 223, decided April 24, 1933, we announced a rule which is epitomized in our second headnote of the case as follows:

The Board of Appeals having affirmed the decision of the Examiner in rejecting the claims of appellant on certain grounds and upon certain named references, *held* that such affirmance has the legal effect of a rejection upon the grounds and references cited by Examiner, and not expressly reversed by the Board. [Italics quoted.]

The rule thus announced was not deemed to be revolutionary in character but was thought to be based upon sound reason in the light of the statute defining the court's jurisdiction in patent appeals. Its reasonableness has never been challenged before us by the patent bar, but, repeatedly, we have been confronted with appeals in cases where the Board made no mention of some of the references cited by Examiners and appellants failed (as appellant here failed) to challenge their application in the reasons of appeal so as to require or admit of their consideration by us. Such situations have frequently caused embarrassment to counsel, and, in some measure, to the court, since it is our desire to give full consideration to every element involved in cases brought before us. This we do when the reasons of appeal conform to the statute and the rules.

It is our hope that all the attorneys engaged in the practice of patent law may become familiar with the rule announced in the Wagenhorst case, supra, and appreciate the necessity of observing it, and, with the thought in mind that it may aid in emphasizing its importance, we have collated an extensive list of cases in which it has been applied since its original announcement more than eleven years ago, from which time it has been consistently followed by us. They are as follows:

In re Dreyfus, 20 C. C. P. A. (Patents) 1204, 1207, 65 F.(2d) 472, 18 U. S. Pat. Q. 63, 437 O. G. 7.

In re Emanueli, 21 C. C. P. A. (Patents) 701, 704, 67 F.(2d) 445, 19 U. S. Pat. Q. 241, 439 O. G. 3.

In re Lilienfeld, 21 C. C. P. A. (Patents) 792, 793, 67 F.(2d) 920, 20 U. S. Pat. Q. 53, 442 O. G. 542.

In re Ross, 21 C. C. P. A. (Patents) 798, 802, 68 F.(2d) 164, 20 U. S. Pat. Q. 168, 441 O. G. 512.

In re Sponable, 21 C. C. P. A. (Patents) 958, 961, 69 F.(2d) 544, 21 U. S. Pat. Q. 35, 445 O. G. 276.

In re Schoenky, 21 C. C. P. A. (Patents) 1052, 1055, 69 F.(2d) 982, 21 U. S. Pat. Q. 236, 447 O. G. 222.

In re Heintz, 21 C. C. P. A. (Patents) 1169, 1172, 71 F.(2d) 172, 21 U. S. Pat. Q. 628, 448 O. G. 762.

In re Bowles, 21 C. C. P. A. (Patents) 1212, 1214, 71 F.(2d) 202, 22 U. S. P. Q. 39, 449 O. G. 271.

In re Laursen, 22 C. C. P. A. (Patents) 774, 778, 73 F.(2d) 642, 24 U. S. Pat. Q. 11, 453 O. G. 4.

In re Ball, 23 C. C. P. A. (Patents) 830, 833, 81 F.(2d) 242, 28 U. S. P. Q. 279, 466 O. G. 244.

In re Curtis, 23 C. C. P. A. (Patents) 869, 874, 81 F.(2d) 236, 28 U. S. P. Q. 231, 466 O. G. 5.

In re Thomas and Hochwalt, 23 C. C. P. A. (Patents) 1238, 1240, 83 F.(2d) 902, 30 U. S. P. Q. 22, 470 O. G. 944.

In re Wheeler, 23 C. C. P. A. (Patents) 1241, 1243, 83 F.(2d) 904, 30 U. S. P. Q. 20, 470 O. G. 945.

In re Ellis, 24 C. C. P. A. (Patents) 759, 761, 86 F.(2d) 412, 31 U. S. P. Q. 380, 478 O. G. 478.

In re Deems, 25 C. C. P. A. (Patents) 785, 788, 93 F.(2d) 47, 36 U. S. P. Q. 71, 489 O. G. 4.

In re Ringel, 25 C. C. P. A. (Patents) 879, 886, 94 F.(2d) 225, 36 U. S. P. Q. 351, 492 O. G. 479.

In re Adrian, 25 C. C. P. A. (Patents) 921, 924, 94 F.(2d) 808, 36 U. S. P. Q. 539, 492 O. G. 695.

In re Schmidt, 26 C. C. P. A. (Patents) 773, 775, 100 F.(2d) 673, 40 U. S. P. Q. 186, 501 O. G. 868.

In re Widmer, 26 C. C. P. A. (Patents) 963, 970, 102 F.(2d) 409, 41 U. S. P. Q. 27, 505 O. G. 762.

Bourdon v. *Kraft*, 27 C. C. P. A. (Patents) 1408, 1409, 113 F.(2d) 115, 46 U. S. P. Q. 207, 521 O. G. 1108.

Crane et al. v. *Carlson*, 29 C. C. P. A. (Patents) 879, 881, 125 F.(2d) 709, 52 U. S. P. Q. 495, 540 O. G. 707.

In re Lincoln et al., 29 C. C. P. A. (Patents) 942, 948, 126 F.(2d) 477, 53 U. S. P. Q. 40, 541 O. G. 668.

Foss v. *Oglesby*, 29 C. C. P. A. (Patents) 1005, 1008, 127 F.(2d) 312, 53 U. S. P. Q. 356, 542 O. G. 392.

In re Wahl, 30 C. C. P. A. (Patents) 719, 721, 132 F.(2d) 323, 56 U. S. P. Q. 158, 549 O. G. 3.

In re Rice, 30 C. C. P. A. (Patents) 730, 731, 132 F.(2d) 140, 56 U. S. P. Q. 173, 547 O. G. 399.

Jones v. *Winsor*, 30 C. C. P. A. (Patents) 824, 829, 133 F.(2d) 931, 56 U. S. P. Q. 519, 550 O. G. 186.

In re Nelson, 30 C. C. P. A. (Patents) 864, 869, 134 F.(2d) 187, 56 U. S. P. Q. 548, 552 O. G. 371.

The applicability of the rule in the instant case is hereinafter stated.

Appellant's claimed invention relates to armature winding "particularly" (as stated in appellant's brief before us)

"to * * * means for inserting the copper current conductors in the peripheral slots or grooves that are common to all armatures or rotors of dynamo-electric machines."

In his brief appellant describes his apparatus and the functions performed by its different parts in great detail.

The Examiner also gave a very complete description in his statement following the appeal to the Board from which statement we quote the following pertinent excerpts (in some instances omitting the numerals):

* * * claims 9, 10 and 11 cover either a concave roller, a concave roller and its mount, or a rotatable means and means for rolling it.

The remainder of the claim is descriptive only of function and use. The preamble states that the roller is in a coil positioning machine for an armature having slotted cores for coil sides, a matter previously considered supra. The roller is stated to exert pressure on the coil sides prior to application of full pressure, a mere statement of the degree to which the roller is used rather than setting forth any further structure of the roller, the machine nor the roller operating mechanism. It is noted * * * that the roller pushes the coils flush with the armature surface and is inoperative for any further pressure. Whether teeth * * * are later used is immaterial to the function, operation or construction of the only element under consideration in these claims, namely the roller 21. The claim further states that the concavity is of a curvature corresponding to that of the armature core an essentially obvious condition if the roller is going to engage the armature other than with a line contact. *In re Goessling*, 515 O. G. 559; *ex parte Stone*, U. S. Dailey No. 4, page 468; *Peters* v. *Active Mfg. Co.*, 470 O. G. 1219. *Ex parte Stone* holds that no invention is involved in shaping a mold to the form of the article to be produced, whereas, *In re Goessling* states that no invention is involved in shaping a roll pass to the shape of the cross-section desired, nor to put a high part to produce a recess for to obtain a patent it must not only be novel and useful but must be the result of inventive genius. The claims further reflect the idea of rotating the roll longitudinally of the axes on an axis transverse of the axis of the armature.

Thus the sole question for consideration is the use of a concave roll for pressing coil sides of an armature, said roll rotating on an axis transverse of the armature axis. Broadly, and the claims are broad, applicant is using a roller to roll elements into a groove. Particular attention is called to Barr who states as the object of his invention * * * that the "efficiency and long service of an induction motor having a rotor—require the conductors to be accurately positioned in the rotor slots and firmly seated on the bottom thereof". For this purpose, Barr provides in *a single machine* a roller * * * for pressing and forcing the conductors into the slots * * * and a roller * * * that has teeth that are successively brought into engagement with the conductors and further drive the same in the slot. Therefore Barr discloses a roller * * * that meets all the function and uses prescribed in claims 9, 10 and 11, namely, it drives the conductors by providing a preliminary inserting pressure upon the same prior to the application of full inserting pressure by [another] roller * * *. The only distinction is that the roller is cylindrical and not concave and, as a corollary thereto, the cylindrical roll is on a longitudinal axis and the concave roll is on a transverse axis. Cullin, Lynch, Schade and McCoffrey are cumulative in their disclosure of the similar use of a cylindrical roll disclosing rolls 13, C, 13 and 59 respectively. Thus the only corporeal essence of the claims is the use of a *concave* roller on a *transverse* axis. This merely denotes a desire to roll the armature longitudinally rather than at right angles thereto and essentially reflects

no more than a mere mechanical variation in the sole desire to have a different rolling direction. It is so common in the many arts to roll either way that no invention is seen in the mere selection of the one over the other in a particular art. In this respect Schade and Lynch disclose cylindrical rollers for a similar purpose movable longitudinally of the work, the rollers being cylindrical because the work is flat, if the work is round it is obvious to make the roll concave. As one instance of such a roll attention is called to Holden. Therefore, where it is old to roll conductors in slots by a cylindrical roll rolling side by side, is it invention to so roll the conductors by a roll having a longitudinal rolling effect in view of this advanced age of mechanics and the obvious construction of a concave roll for the purpose. A "longitudinal rolling effect" is used because the claims do not differentiate between a roll rolling and moving longitudinally along the armature and a roll on a stationary axis and the armature moving through the same. Such a change in the rolling axis, with the obvious and notoriously old change in the shape of the roller occasioned thereby, is considered no more than the exercise of ordinary mechanical choice and not such a flash of genius that would warrant the grant of a patent monopoly, nor such a change that produces a new and unobvious result, nor supplies a long felt want in the industry for creating success out of failure. [Italics quoted.]

[1][2][3] From the foregoing it will be seen that the Examiner relied on the patent to Barr as the principal reference. In the reasons of appeal to the Board appellant did not allege error with respect to the applicability of any one of the patents cited by the Examiner, and the Board, as has been stated, made no mention of any except the patent to Holden. In the reasons of appeal before us error is assigned only with reference to the applicability of the Holden patent.

Under such circumstances we, of course, must treat all the patents cited by the Examiner as valid references, they not having been expressly overruled by the Board. Furthermore, since the correctness of the Examiner's findings of fact concerning them has not been challenged in the reasons of appeal we must assume their correctness. See cases cited above.

Such being the situation, there is no necessity to discuss the applicability of the Holden patent as a reference. Even if we should be of opinion that it is not an applicable reference, we nevertheless could not reverse the decision of the Board upon the reasons of appeal before us.

The decision of the Board is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE REESE

No. 4,904. Decided June 26, 1944

[143 F.(2d) 1021; 62 U. S. P. Q. 294]

PATENTABILITY—PRESERVATION OF FATS AND OILS.

Claims of appellant's application on a method of preserving fats and oils *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Messrs. Pennie, Davis, Marvin & Edmonds (*Mr. Clarence M. Fisher* and *Mr. W. B. Morton* of counsel) for Reese.

Mr. W. W. Cochran for the Commissioner of Patents.

JACKSON, *J.*:

The Board of Appeals of the United States Patent Office affirmed a decision of the Primary Examiner rejecting all of the claims, 2, 3, 4, 8 and 10, of an application for a patent for a "Method of Preserving Fats and Oils" as unpatentable over either a patent to Conquest et al., 2,225,553, December 17, 1940, or a British patent to Ekhard, 465,111, April 26, 1937. From the decision of the Board this appeal was taken.

The rejected claims read as follows:

2. The method of preventing rancidity of organic oils and fats which consists in subjecting the fat-containing substance to the action of diastatic and other enzymes.

3. The method of preventing rancidity of organic oils and fats which consists in subjecting the fat-containing substance to the action of a product containing diastatic enzymes and thereafter checking the action of the enzymes.

4. The method of preventing rancidity of organic oils and fats which consists in subjecting the fat-containing substance to the action of a product containing diastatic enzymes and thereafter heating the substance to a temperature in the order of 160° F.

8. The method of preventing rancidity in lard which consists in incorporating in the lard an enzyme concentrate containing diastatic enzymes.

10. As a new article of manufacture, lard having incorporated therein an amount of enzyme concentrate diastatic enzymes less than .5% of the weight of the lard.

The application relates to a method of preventing rancidity in organic oils and greases, and has for its object the treatment of foodstuffs and other products containing organic oils and greases by means of diastase or other enzymes. An enzyme is any one of a series of catalytic agents, animal or vegetable, produced by living cells, effecting chemical change in absorbed or surrounding substances so as to render them fit for the requirements of the cells. Diastase is a white, amorphous compound which acts as a ferment converting starch and glycogen into dextrin and sugar, and is found in germinating grain and various parts of plants, and in animal fluids, as saliva, pancreatic juice, etc. It is known only by its effects since the substance itself has never been isolated.

The Conquest et al. patent relates to processes of treating dairy products such as milk or cream with a very small amount of pancreatic enzyme material to prevent the development of off-odor and flavor, in such small amount as not to change the curd tension of the milk. It discloses the addition of enzymes to sweet cream before churning butter to prevent the after undesirable flavor or odor.

The patent to Ekhard relates to a process for improving the odor, taste, stability and consistency of vegetable and animal oils, fats and other glycerides of the fatty acids, by treating those substances with structureless ferments, among which is diastase. Such ferments can be used in pre-treating or after-treating the oils and fats.

The Examiner stated that the off-flavor and odor referred to in the Conquest et al. patent are due in part to oxidation, which is prevented by the process of the patent. He held that whether the preservation of the substance is due to a reaction with the fat therein is immaterial, since the claims do not include a reaction.

According to the Examiner appellant admitted that it "may be . . . that pancreatic enzyme material in its crude form may contain a small amount of diastase," but that appellant seemed to take the position that in the patent to Conquest et al. there would be no diastase in the enzyme product used in that patent. He held that, on the authority of "Enzymes," by Waksman and Davison, 1926, pages 156 and 157, pancreatic diastase may be obtained from dried pancreas glands by extraction with water as well as by extraction with alcohol.

With regard to the Ekhard patent the Examiner stated that appellant contended the process was really directed to the treatment of garbage, which is already rancid. He held this contention was not sound because the patent discloses the treatment of such fats and oils as shortening, margarine, soya oil, peanut oil, linseed oil, turnip oil, cotton oil, corn oil, beef-tallow and lard, and that none of the examples of the patent relates to garbage.

The Board of Appeals pointed out that the statement of the Examiner that the off-color and odor referred to in the patent to Conquest et al. was due in part to oxidation had not been traversed by appellant, and further that appellant did not question the publication by Waksman and Davison referred to by the Examiner. It said that appellant apparently conceded that pancreatic enzyme contains a diastatic principle, but contended that the diastase in the enzyme material of the Conquest et al. patent is so small as to be inadequate to perform any useful function. The Board held that the involved claims fail to define invention over the prior art, stating that claims 2, 3 and 8 are broad and clearly not patentable, and that the proportion of enzyme to lard in claim 10 was not regarded as critical. The heating step in claim 4 the Board held to be well-known.

Appellant contends here that the alleged invention is based on a discovery that commercial preparations of diastase extensively used for the conversion of starch into sugar also have the property of preventing rancidity in animal or vegetable fats. Appellant concedes that she does not know just what chemical and biological action takes place in applying such preparations, and states that it is not important whether the result obtained is due to some action of the diastatic enzymes themselves or some component of the commercial product containing such enzymes.

Appellant also contends that the prior art contains no disclosure of her discovery and makes no suggestion of the processes described in the application. It is stated in her brief that neither of the cited patents relates to preservation of fats, and that both seem totally irrelevant.

It will be noted in each of the claims that the process consists in subjecting fat-containing substances to the action of diastatic and other enzymes, or products containing diastatic enzymes. Therefore the claims do not limit the process to the action of diastase alone. Any enzyme substance containing diastase in any quantity would clearly be embraced within them.

In the Conquest et al. patent appears the following disclosure:

By pancreatic enzyme material we mean to include pancreatin alone as well as mixtures of pancreatin and other enzymes associated therewith when aqueous or alcoholic extracts of the pancreas are prepared or the dried pancreas is processed to remove substantially all of the fat and lipase.

From that statement it is clear that the patentee proposed to use pancreatic enzymes and other enzymes which are associated with them. It was pointed out below that diastase is obtained when a water or alcoholic extract is made from dried pancreas. The Examiner cited authority for such statement, as herein noted, and such statement has not been questioned by appellant. Therefore it must be concluded that diastase is contained in the enzyme materials of the Conquest et al. process. We cannot agree with the contention of appellant that the prior art does not relate to the preservation of fats, because the patent to Conquest et al. relates to the prevention of the spoiling of butter and keeping it from having an undesirable odor.

The process of the patent to Ekhard may employ diastase in pre-treatment as well as after-treatment of the oils and fats, and one of its stated objects is to improve the stability of the product. Lard is one of the materials to be treated, and rancidity is one of the undesirable conditions to be avoided. It is obvious that the pre-treatment of lard in the process of that patent prevents rancidity from occurring.

The claims were properly rejected in view of the prior art and the decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

ADAM HAT STORES, INC., *v.* MONROE SHIRT CO.

No. 4,919. Decided June 26, 1944

[143 F.(2d) 993; 62 U. S. P. Q. 314]

1. TRADE-MARKS—ASSIGNMENT.

Where the registrant assigned to appellee a trade-mark registered by him for use on shirts, and concurrently signed, on behalf of the vendors, a bill of sale purporting to transfer the right, title, and interest in and to a business for the manufacture and sale of shirts "formerly owned and operated" *Held* that the bill of sale could not be construed to show "a present ownership in the vendors;" and that the sale and assignment was merely of a naked title to the mark, and hence invalid.

2. SAME—OPPOSITION—DUTY TO DETERMINE EX PARTE RIGHT TO REGISTRATION.

"In opposition proceedings it is the duty of the Patent Office tribunals to decide the registrability of a mark."

3. APPEAL—REMAND.

Where the Commissioner reversed the decision of the Examiner of Interferences and sustained the opposition by appellee to appellant's application for registration of a trade-mark, but did not adjudge whether appellant was entitled to registration of that mark, although the matter was presented to him *Held*, upon reversal of the decision of the Commissioner, that the case would be remanded for the purpose of considering the registrability of appellant's mark.

APPEAL from the Patent Office. Reversed and remanded.

Messrs. Briesen & Schrenk (*Mr. Karl Pohl* and *Mr. Charles R. Allen* of counsel) for Adam Hat Stores, Inc.

Mr. Herbert J. Jacobi for Monroe Shirt Co.

JACKSON, *J.*:

Appellant herein filed its application, Serial No. 426,592, December 15, 1939, under the act of February 20, 1905, as amended, for the registration of the trade-mark "ADAM" as applied to men's hats, shirts, men's and boys' clothes, neckties, and shoes made of leather, fabric, rubber, and combinations thereof. Use of the mark was claimed since June 13, 1924.

Upon publication of the mark appellee filed a notice of opposition alleging use in its business of manufacturing and selling shirts of the trade-mark "John Adams," by itself and its predecessors from long prior to June 13, 1924. It claimed use of its mark by itself since 1923, and also priority by reason of its ownership of registration No. 174,498, October 16, 1923, of the mark "John Adams" by one Sidney James Koblenzer. The registration alleges use of that mark since August 15, 1921, on shirts and similar goods. It further alleged that Koblenzer on February 27, 1936, sold, transferred and assigned his trade-mark and certificate of registration to appellee, as evidenced by an assignment recorded in the United States Patent Office February 28, 1936. Damage was alleged by reason of likelihood of confusion, the goods of the respective parties being claimed to be of the same descriptive properties, and the marks confusingly similar.

Appellant in its answer admitted that the registration of Koblenzer issued and that the goods of the parties are of the same descriptive properties. All other allegations were traversed.

Both parties took testimony.

The Examiner of Interferences based his decision upon the question of ownership and use of the marks as between the parties.

He summarized the record of appellant and held the evidence was satisfactory to prove that it had used the mark "ADAM" for hats continuously since the inception of its business in 1924, and the dates upon which use of the mark had been extended to shirts and other items set out in its application were not of importance.

Answering the contention of appellant that the claim of use by appellee and its claim of priority by derivation were inconsistent, the Examiner stated that he believed such allegations were sufficient to raise the issue of ownership on both claims, citing by analogy Federal Equity Rule 30, which provides that a defendant may plead

"as many defenses, in the alternative, regardless of consistency, as the defendant deems essential to his defense."

He believed that a plaintiff possessed a corresponding right, and considered all of the testimony given with respect to both claims of appellee.

The Examiner analyzed in considerable detail the testimony of five of the many witnesses for appellee for the reason that they were the only ones who testified to any dates of the use of its mark by appellee prior to 1924, the date established by appellant. That testimony was given many years after the events concerned, and with prior notice that the appellant claimed a date of use in the middle of 1924. It was pointed out by the Examiner that their testimony was not supported by any competent documentary evidence nor were any dates fixed by events or matters which would support their testimony as to what they recalled, citing the case of *Brewster-Ideal Chocolate Co.* v. *Dairy Maid Confectionary Co.*, 20 C. C. P. A. (Patents) 848, 62 F.(2d) 844, 16 U. S. P. Q. 310, 430 O. G. 1275. Accordingly, the Examiner held that any use of the mark by appellee was insufficient to establish a date as early as that awarded to appellant.

With respect to the ownership by appellee of the Koblenzer registration, the Examiner stated that appellant did not deny appellee to be the assignee of record and agreed with appellant's contention that the execution of the assignment was not accompanied by the transfer of any business associated with the mark and therefore passed no title to the mark.

He accordingly dismissed the notice of opposition and adjudged that appellant was entitled to the registration for which it made application.

Upon appeal to the Commissioner of Patents one of the errors alleged was the failure of the Examiner to adjudge that appellant was not entitled to the registration for which it made application.

The Commissioner in his decision, 56 U. S. P. Q. 416, made no reference to the alleged error of the Examiner above set out, held the assignment to be valid and therefore concluded that the notice of opposition should have been sustained, and reversed the decision appealed from. From that decision this appeal was taken.

In our opinion the testimony on behalf of appellee with respect to its own use of the mark "John Adams" is of such an uncertain and contradictory nature, without any kind of competent evidence in support thereof, that it is clearly insufficient to establish a use by appellee of its mark prior to the beginning of 1933, as was held by the tribunals below. Therefore the decision here must be based on the validity of said assignment.

[1] There can be no valid assignment of a trade-mark apart from an existing business and the good-will attached thereto. *Corr, etc.*, v. *Oldetyme Distillers, Inc.*, 28 C. C. P. A. (Patents) 1057, 118 F.(2d) 919, 49 U. S. P. Q. 187, 529 O. G. 795, and the cases therein cited.

Appellant contends that on February 27, 1936, the date of the assignment, Sidney James Koblenzer had been out of the shirt business for many years and that the trade-mark "John Adams" had then been long abandoned. Appellee relies upon the testimony of Koblenzer together with the assignment of February 27, 1936, and a bill of sale of the same date. The assignment was signed by Sidney James Koblenzer and the bill of sale by M. Koblenzer & Son, John Adams Shirt Co., and John Adams Shirt Co., Inc., all by Sidney James Koblenzer.

It appears that that mark had been used originally on shirts sold by Koblenzer in the business he conducted under the name of M. Koblenzer & Son.

On February 20, 1923, Koblenzer and others formed the John Adams Corporation, which name was changed to John Adams Shirt Co., Inc., on October 30 of that year.

The witness Koblenzer did not remember the incorporation of that company and could not recall whether shirts were sold by it under the trade-mark "John Adams." That that corporation must have sometime used the trade-mark "John Adams" seems to us to be likely by reason of a recitation in the bill of sale that the vendors stated that such trade-mark was used in their business, and certainly it seems reasonable to conclude that the trade-mark which was the distinctive portion of the corporate name would have been used upon the articles dealt in by that corporation. The corporation ceased doing business in October 1925 and was dissolved by proclamation of the Secretary of State of the State of New York on December 15, 1931, and such dissolution has not been annulled.

We think it is clear that when the assignment of February 27, 1936, and the bill of sale of that date were made, none of the parties purporting to sell the alleged business and the goodwill thereunto attached were in the shirt business.

Koblenzer had been in the insurance business since 1929, and testified that he took time for the shirt business "in between." He could not remember the name of a single customer to whom he had sold "John Adams" shirts; did not know what became of the records of M. Koblenzer & Son; did not remember what became of the minute books of the John Adams Shirt Co., Inc.; did not know how many customers he had sold; when asked where he last had a store for the sale of shirts, he answered "I do not think it necessary to have a store"; he did not remember who made the shirts; and he did not know how many shirts he sold, stating it made no difference whether he sold 2 dozen or 20 dozen.

With respect to the sale of the trade-mark Koblenzer testified that he turned over a box of labels and hangers. Nothing else was turned over.

The bill of sale covers

all their right, title and interest in and to the business for the manufacture and sale of shirts, etc., *formerly* owned and operated by the said parties of the first part at No. 359 Broadway, in the Borough of Manhattan, city of New York, or other place, including therewith the good-will of said business and a trade-mark, designated and described as "John Adams," used therein and controlled by said parties of the first part, more particularly known as Trade-Mark 174,498 and registered in the United States Patent Office on or about the 16th day of October, 1923, and issued originally to the above-named Sidney James Koblenzer (doing business under the assumed name of M. Koblenzer & Son) and used in connection with work, negligee and dress shirts, pyjamas, men's, women's and children's textile underwear, women's, men's and boys' hats, hose, shoes of leather, fabric or combinations thereof, collars, cravats, etc., in Class 39, Clothing. [Italics added.]

It is significant to note in the above quotation that the document purports to transfer the right, title and interest in and to the business for the manufacture and sale of shirts formerly owned and operated by the said parties of the first part. Under no construction can it be said that such language purported to show a present ownership in the vendors. It may be further stated that the consideration for the bill of sale and assignment was the sum of only $150 and it was testified to by one of the partners of appellee that it endeavored to buy the name "John Adams" to avoid litigation.

If we were to agree with the Commissioner of Patents in his holding that there was a business in existence in connection with which the trade-mark was used on February 27, 1936, we would be compelled to ignore the disclosure in the bill of sale that the vendors had formerly owned the business, and base our conclusion upon a record which to our way of thinking is utterly incredible. There was no shirt business in existence on that date operated by Koblenzer, or M. Koblenzer & Son, or John Adams Corporation, or John Adams Shirt Co., Inc. Therefore it follows that the sale and assignment herein was merely of a naked title to the mark, and hence invalid. See *Corr, etc.*, v. *Oldetyme Distillers, Inc.*, supra.

[2][3] Appellee contends that the mark "ADAM" should have been rejected on the prior registration of the mark "John Adams" by Koblenzer. That contention may or may not be sound. It was before the Commissioner of Patents but no ruling was made thereon. This court has held many times that in opposition proceedings it is the duty of the Patent Office tribunals to decide the registrability of a mark. *Sparklets Corporation* v. *Walter Kidde Sales Company*, 26 C. C. P. A. (Patents) 1342, 104 F.(2d) 396, 42 U. S. P. Q. 73, 509 O. G. 533. Clearly the Patent Office must have considered appellant's mark registrable, otherwise it would not have been passed for publication. The Examiner of Interferences specifically held in his decision that the mark was registrable and the Commissioner, although the matter was presented to him, did not act thereon. Therefore we do not deem it proper for this court to decide that question in the absence of a decision by the Commissioner.

For the reasons hereinbefore stated the decision of the Commissioner of Patents is reversed and the case remanded for the purpose of considering the registrability of appellant's mark.

Reversed and remanded.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,158,096. (See 1,160,338 (*b*).)

1,160,338 (*a*), W. A. Stellmacher, Embroidering machine, D. C. N. J., Doc. E 4363, *Vogtlandische Maschinen-Fabrik* v. *L. D. Beiser*. "Decree adjudging plaintiffs have no recovery of any profits Sept. 27, 1944."

1,160,338 (*b*), W. A. Stellmacher, Embroidering machine; 1,158,096, R. Zahn, Pressure finger operating mechanism for embroidering machines; 1,191,131, G. Sieber, Motion transmitting device, D. C. N. J., Doc. E 4362, *Vogtlandische Maschinen-Fabrik* v. *N. Kosminsky*. "Decree adjudging plaintiffs have no recovery of any profits Sept. 27, 1944." Doc. 4364, *Vogtlandische Maschinen-Fabrik* v. *D. Paradis*. Judgment favor plaintiffs Sept. 27, 1944.

1,191,131. (See 1,160,338 (*b*).)

1,266,747, R. Zahn, Automatic embroidering machine, D. C. N. J., Doc. 4533, *R. Zahn* v. *D. Paradis et al.* "Judgment favor plaintiff and against D. Paradis and that plaintiffs have no recovery of profits against N. Kosminsky and L. D. Beiser Sept. 27, 1944."

1,773,887, L. F. Stirling, Method of producing printing plates; 2,155,458, W. J. Wilkinson, Method of and apparatus for printing, filed Aug. 3, 1944, D. C., N. D. Ill., E. Div., Doc. 44c887, *Miehle Printing Press & Mfg. Co. et al.* v. *Publication Corp.*

1,944,930, H. C. Drake, Flaw detector, D. C., S. D. N. Y., Doc. 15/60, *Sperry Products, Inc.*, v. *Association of American Railroads et al.* Judgment dismissing complaint for want of venue Aug. 31, 1944.

1,959,264, J. Dugan, Radio direction and position indicating system, filed Sept. 26, 1944, D. C., N. D. Ill., E. Div., Doc. 44c1148, *J. Dugan* v. *Lear Avia, Inc.*

2,001,726, L. S. Henwood, Writing pen; 2,121,541, same, Method for manufacturing pen points D. C., S. D. N. Y., Doc. 9/1, *C. Howard Hunt Pen Co.* v. *Radiant Point Pen Corp. et al.* Consent judgment holding infringement of both claims of 2,001,726 and claim 1 of 2,121,541, and that J. A. Shea has not infringed; complaint dismissed as to him Sept. 23, 1944.

2,013,785, M. S. Merrill, Frame straightening apparatus for automobiles; 2,042,856, same, Apparatus for straightening axles and truing the wheels of automobiles, D. C., S. D. Ill., N. Div., Doc P–312, *M. S. Merrill* v. *Bear Mfg. Co.* Stipulation for dismissal with prejudice Sept. 16, 1944.

2,042,856. (See 2,013,785.)

2,044,933. (See Re. 20,996.)

2,052,671, Schultz & Steinmayer, Repeating fuse construction; Re. 22,412, same, Combined switch and fuse, D. C., N. D. Ill., E. Div., Doc. 44c719, *Line Material Co.* v. *Schweitzer & Conrad, Inc.* Dismissed Aug. 31, 1944.

2,107,347, Sloane & Sloane, Reversible handbag cover, D. C., S. D. N. Y., Doc. 26/264, *Sloane Bros.* v. *Floret Purses.* Discontinued (notice Sept. 29, 1944).

2,121,541. (See 2,001,726.)

2,125,481. (See Re. 21,447.)

2,146,677, L. A. Johnson, Fluid seal, filed Sept. 18, 1944, D. C., N. D. Calif., S. Div., Doc. 23697–G, *National Motor Bearing Co., Inc., et al.* v. *Chanslor & Lyon Co.*

2,155,458. (See 1,773,887.)

2,168,735, Gildstrap & Baurmann, Method of cementing wells; 2,177,172, E. V. Crowell, Apparatus for cementing wells; 2,223,442, same, Apparatus and method for cementing wells; 2,187,483, 2,187,480, R. C. Baker, Well cementing apparatus, D. C. Calif. (Los Angeles), Doc. 2243–B, *Baker Oil Tools, Inc.*, v. *E. V. Crowell.* Claims 1 to 15 inclusive, and claims 17 to 23 inclusive of 2,168,735, claims 19 and 20, and 9 to 16 inclusive of 2,177,172, and claims 13 and 14 of 2,223,442 held invalid; counterclaim dismissed Sept. 27, 1944.

2,177,172. (See 2,168,735.)

2,185,359, N. H. Swanson, Coin purse, appeal filed Aug. 23, 1944, C. C. A. 2d Cir., Doc. —, *Swanson Mfg. Co. et al.* v. *Feinberg-Henry Mfg. Co., Inc., et al.*

2,187,480. (See 2,168,735.) 2,187,483. (See 2,168,735.)

2,199,687, E. W. Blankenship, Combination cooking vessel, D. C., N. D. Ala. (Birmingham), Doc. 5557, *The Kay Co.* v. *E. C. Blankenship.* Dismissed Sept. 19, 1944. Doc. 5559, *E. C. Blankenship* v. *The Kay Co.* Dismissed Sept. 19, 1944.

2,223,442. (See 2,168,735.)

2,239,514, W. F. Astley, Machine and method of weaving insulation, D. C., E. D. Pa., Doc. 1492, *Union Asbestos & Rubber Corp.* v. *Raybestos Manhattan Inc.* Dismissed Sept. 22, 1944.

2,252,732, Bodenschatz & Ridgway, Method of treating cellulose textile material, D. C., N. D. Ill., E. Div., Doc. 4591, *Ridbo Laboratories, Inc.*, v. *Sears, Roebuck & Co. et al.* Dismissed with prejudice Sept. 11, 1944.

2,256,645, F. Kuhlman, Decorative material, filed Sept. 20, 1944, D. C., S. D. N. Y., Doc. 27/359, *R. Appel* v. *A. H. Lilling.*

2,298,543, K. Schmidt, Combination purse and billfold, D. C., S. D. N. Y., Doc. 26/206, *Marioness & Co., Inc.*, v. *J. Hardy et al.* Consent judgment adjudging infringement (notice Sept. 11, 1944).

2,300,157, G. R. Hunt, Feather-picking apparatus for fowls, filed Sept. 29, 1944, D. C., N. D. Iowa (Cedar Rapids), Doc. 105, *C. B. Mueller et al.* v. *Pickwick Corp. et al.*

2,309,359, H. C. Schlicker, Hair winder, filed Sept. 14, 1944, D. C., N. D. Ill., E. Div., Doc. 44c1083, *Clairol, Inc.*, v. *The National Mineral Co.*

2,322,045, A. Miller, Lamp shade, filed Sept. 28, 1944, D. C., N. D. Ill., E. Div., Doc. 44c1154, *A. Miller* v. *B. F. Kral Co.*

2,336,291, I. L. Phillips, Method of packing perishables and package, filed Sept. 14, 1944, D. C. Calif. (San Francisco), Doc. 23694–G, *Seal-Pack Corp.* v. *A. T. Arena et al.*

2,343,985, J. M. Lamoureux, Air separator, D. C., E. D. Wash. (Yakima), Doc. 174, *Yakima Chief Ranches, Inc.*, v. *A. Brulotte.* Dismissed (rule 41(a)) Sept. 20, 1944.

Re. 20,996 (of 2,044,933), H. C. Buffington, Scraper or grader, filed May 22, 1944, D. C., S. D. Ill. (Springfield), Doc. 373, *The Baker Mfg. Co.* v. *Central Illinois Tractor & Equipment Co.*

Re. 21,313, G. Desagnat, Decorative wall covering, filed Sept. 11, 1944, D. C., S. D. N. Y., Doc. 27/292, *G. Desagnat et al.* v. *Regal Novelty Co.*

Re. 21,447 (of 2,125,481), G. S. Allin, Bulldozer, filed May 22, 1944, D. C., S. D. Ill., E. Div., Doc. 374, *Gar Wood Industries, Inc.*, v. *Central Illinois Tractor & Equipment Co.*

Re. 22412. (See 2,052,671.)

Des. 129,915, A. Blum, Spectacle frame, filed Sept. 15, 1944, D. C., S. D. N. Y., Doc. 27/331, *K. Stenzel & Sons et al.* v. *Vogue Optical Mfg. Co.*

Des. 135,889, L. E. Bauer, Cookie jar, D. C., N. D. Ohio, E. Div., Doc. 22404, *The A. E. Hull Pottery Co., Inc.*, v. *Spaulding China Co., Inc.* Dismissed without prejudice Sept. 15, 1944. Same, filed Sept. 15, 1944, Doc. 22441, *The A. E. Hull Pottery Co., Inc.*, v. *Gem Clay Forming Co. et al.*

T. M. 195,360, Chanel, Inc., Certain toilet preparations; T. M. 215,556, same, Perfume and toilet water, filed Sept. 15, 1944, D. C., N. D. Ill., E. Div., Doc. 44c1091, *Chanel, Inc.*, v. *F. Blazek.*

T. M. 215,556. (See T. M. 195,360.)

T. M. 380,575, Brody Mfg. Co., Stockinette sheet made rubber insert, etc., filed Aug. 16, 1944, D. C., N. D., Ill., E. Div., Doc. 44c952, *Lockwood Products* v. *Brody Mfg. Co.*

T. M. 314,493, J. L. Younghusband, Lipstick and rouge; T. M. 343,897, Associated Distributors, Inc., Antiperspirant, lipstick, rouge, etc., filed Aug. 22, 1944, D. C., N. D. Ill., E. Div., Doc. 44c974, *Consolidated Cosmetics* v. *F. Blazek.*

T. M. 343,897. (See T. M. 314,493.)

BULLETIN OF DECISIONS OF PATENT OFFICE ON TRADE-MARKS

RENDERED DURING OCTOBER, 1944

WINTHROP CHEMICAL COMPANY, INC., *v.* THYMO BORINE LABORATORY, Opposition No. 22,564.

In a decision rendered October 12, 1944 (166 Ms. Dec. 610, — U. S. P. Q. —), *Assistant Commissioner Van Arsdale* affirmed the action of the Examiner of Interferences sustaining the notice of opposition filed by Winthrop Chemical Company, Inc., of New York, N. Y., to the granting of registration to Thymo Borine Laboratory, of Milwaukee, Wis., of the mark "Thy-Rin" for antiseptic mouth wash. Opposer relied on its prior registration of the mark "Thyractin" for a thyroid extract preparation in tablet form for the treatment of goiter, obesity and kindred ailments, and on ownership and prior use of this mark on such goods.

It was held that the goods here involved are clearly goods of the same descriptive properties.

It was further held that the specific differences between the goods and their trade aspects must be considered when comparing the marks applied thereto in regard to the question of confusion in trade, and while the differences between the marks "Thy-Rin" and "Thyractin" in appearance and in sound are obvious, as are their similarities in these respects, nevertheless, on the whole the marks are so similar in sound and in appearance that their concurrent use on the goods to which they are applied would be likely to cause confusion and mistake in the mind of the public, and to deceive purchasers.

THE SCHIFF COMPANY *v.* THE SCHOLL MANUFACTURING COMPANY, INC., Cancelation No. 4184.

In a decision rendered October 19, 1944 (166 Ms. Dec. 612, — U. S. P. Q. —), *First Assistant Commissioner Frazer* denied a petition from the action of the Examiner of Interferences refusing to reopen for the purpose of introducing into the cancelation proceeding a notice of opposition in Opposition No. 21,629, after the Examiner's decision dismissing the petition of The Schiff Company, of Columbus, Ohio, to cancel certain trade-mark registrations owned by The Scholl Manufacturing Company, Inc., of Chicago, Ill.

It was held that a motion by petitioner that the record in Opposition No. 21,629 be used in this cancelation proceeding was manifestly brought under rule 157; and that rule makes no provision for the use in a subsequent proceeding of any part of a previous record save the testimony taken.

It was further held that, assuming that a notice of opposition is an "official record" within the meaning of rule 154(*e*), there was no notice to respondent, as required by the rule, that the notice of opposition would be used as evidence in the instant proceeding.

HILL MANUFACTURING COMPANY *v.* EARL PRODUCTS COMPANY, Interference No. 3528.

In a decision rendered October 21, 1944 (166 Ms. Dec. 615, — U. S. P. Q. —), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Mark Interferences denying the motion of Hill Manufacturing Company, of Atlanta, Ga., to dissolve the interference on the ground that the mark sought to be registered by the party Earl Products Company, of Chappaqua, N. Y., namely, "Silverfleece," is merely descriptive of the goods to which it is appropriated, namely, silverware cleaner.

It was held that while highly suggestive, this mark is sufficiently incongruous and fanciful to constitute a valid trade-mark, and that its alleged descriptiveness affords no ground for dissolving the interference.

SWEETS LABORATORIES, INC., *v.* LENEY B. ELLIS, JR. (THE PROCTER & GAMBLE COMPANY, RENEWANT, SUBSTITUTED), Cancelation No. 4298.

In a decision rendered October 21, 1944 (166 Ms. Dec. 613, — U. S. P. Q. —), *First Assistant Commissioner Frazer* denied a petition from the action of the Examiner of Interferences sustaining the objections of The Procter & Gamble Company, of Memphis, Tenn., to certain interrogatories propounded by Sweets Laboratories, Inc., of New York, N. Y., under rule 33 of the Rules of Civil Procedure.

It was held that interrogatories calling for a yes or no answer concerning subject matter that may or may not be within respondent's knowledge are objectionable without inquiry first having been made as to whether respondent had any knowledge on the subject.

It was held that interrogatories calling for the physical delivery to petitioner's counsel of certain specimens, if in existence, were objectionable since rule 33 makes no provision for the delivery of specimens.

As to petitioner's offer to waive the delivery of specimens, it was held that this would be tantamount to the amendment of the original interrogatories, and that such amendments should not usually be permitted.

THE STANLEY CHEMICAL COMPANY *v.* STANLEY LEJKOWSKI, Cancelation No. 4312.

In a decision rendered October 23, 1944 (166 Ms. Dec. 616, — U. S. P. Q. —), *First Assistant Commissioner Frazer* dismissed a petition requesting that the delay in filing a motion for an extension of time for respondent's limit of appeal from the decision of the Examiner of Interferences sustain-

ing the petition of The Stanley Chemical Company, of East Berlin, Conn., to cancel a trade-mark registration issued to Stanley Lejkowski, of New Britain, Conn., be held to have been unavoidable.

It was held that, assuming such delay to have been unavoidable, that circumstance did not alter the status of the case, nor the finality of the Examiner's decision, and that respondent's remedy was to bring a petition for an extension of time within which to appeal promptly after the dismissal of his motion.

EX PARTE TOLEDO SCALE COMPANY, Serial No. 458,165.

In a decision rendered October 23, 1944 (166 Ms. Dec. 617, — U. S. P. Q. —), *First Assistant Commissioner Frazer* denied a petition by Toledo Scale Company, of Toledo, Ohio, that the Examiner's requirement that the drawing be amended to conform with the specimens be withdrawn.

It was held that the mark shown on the specimens is an integral whole, no part of which may be altered or omitted without mutilation; and that applicant's mark may be registered only in the precise form in which it is used, including style of type and embellishments.

RESISTOFLEX CORPORATION *v.* THE B. F. GOODRICH COMPANY, Opposition No. 22,464.

In a decision rendered October 24, 1944 (166 Ms. Dec. 620, — U. S. P. Q. —), *First Assistant Commissioner Frazer* reversed the action of the Examiner of Interferences who had sustained the opposition, and thereby dismissed the opposition, of Resistoflex Corporation, of Belleville, New Jersey, to the application of The B. F. Goodrich Company, of Akron, Ohio, for registration of the notation "Restex" as a trade-mark for tanks made of fabric and rubber and/or synthetic rubberlike materials for storage of gasoline, oil, water, and other liquids. Opposer relied upon its prior use and ownership of the trade-mark "Resistoflex," which is separately registered for flexible tubes, hose, pipes, sheets, and films made in whole or in part of polyvinyl alcohol for use in the conveying, storing, and handling of oils, gasoline, and organic solvents, and for gloves and aprons made in whole or in part of polyvinyl alcohol, for shop, industrial, laboratory, and household use, in the handling of and for protection of the person against oils, hydrocarbon fuels and organic solvents.

It was held that opposer's gloves and aprons do not possess the same descriptive properties as applicant's tanks.

It was further held that the Examiner was right in holding that opposer's tubes, hose and pipes, and applicant's tanks, do have the same descriptive properties, since such articles might well be associated in use.

It was held, however, that, as applied to such goods, the marks of the parties are not confusingly similar, considering the differences in the goods and the fact that the nature of the merchandise here involved would indicate that there is likely to be some degree of care in its purchase, since the marks do not sound alike nor suggest the same idea; and while it is true that all the letters of applicant's mark are found in opposer's mark in the same order, nevertheless the marks as a whole differ greatly in appearance.

NOSTANE PRODUCTS CORPORATION *v.* HECKER PRODUCTS CORPORATION (BY CHANGE OF NAME, THE BEST FOODS, INC.), Cancelation Nos. 4170 and 4207.

In a decision rendered October 24, 1944 (166 Ms. Dec. 618, — U. S. P. Q. —), *First Assistant Commissioner Frazer* affirmed, in each case, the action of the Examiner of Interferences dismissing the petition to cancel where the cases were submitted on the same record and argued together.

Nostane Products Corporation, of Brooklyn, N. Y., petitioned to cancel trade-mark registration No. 398,853, issued November 24, 1942, to Hecker Products Corporation (by change of name, The Best Foods, Inc.), of New York, N. Y. In that proceeding Nostane relied upon its own registration No. 321,859, issued February 19, 1935. Following the institution of that proceeding The Best Foods, Inc. petitioned to cancel the said Nostane registration, relying upon registration No. 398,853. Nostane's mark is essentially the word "Dabon," and is appropriated to brushless shaving cream. The mark of Best Foods is the word "Daubon," appropriated to shoe and leather dressings. It was held that manifestly these marks are substantially identical, but it is equally clear that the goods upon which they are used have different descriptive properties, notwithstanding that both are classified in class 4 and that they are sold side by side in the same stores; for while these are factors to be considered, neither is of controlling importance.

In response to the argument of Nostane that the mark of Best Foods is used only as a grade mark, and the argument of Best Foods that Nostane's mark is descriptive, and that Nostane is illegally doing business under an assumed name, it was held that as neither party is injured by the other's registration, these are contentions that need not be considered.

THE DAVIDSON BROTHERS CORP. *v.* LAROS TEXTILES COMPANY, Cancelation No. 4023.

In a decision rendered October 26, 1944 (166 Ms. Dec. 623, — U. S. P. Q. —), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences dismissing the petition of The Davidson Brothers Corp., of New York, N. Y., to cancel trade-mark registration No. 394,526, issued April 7, 1942, under the provisions of the act of March 19, 1920, to Laros Textiles Company, of Bethlehem, Pa. The registered mark is the notation "No-Ride," and the goods to which it is appropriated are ladies' slips. It has been in use since September 30, 1940. The slips to which this mark is applied are of a patented construction designed to prevent the riding up of the garment when the wearer is seated. Since March, 1938, petitioner has manufactured slips having this same desirable characteristic, which have been sold under the trade-marks "Mary Barron" and "Biastrait." In advertising these slips it has used such phrases as "won't ride up," "never rides up," and "does not ride up."

It was held that although respondent's mark is descriptive, under the act of 1920 descriptive marks are registrable, provided only that they are capable of trade-mark significance; and respondent's mark meets this test.

It was held that the notation "No-Ride" is not one that would necessarily or normally be used in describing slips; and petitioner is still free to use the descriptive expressions that it has heretofore found adequate in the conduct of its business, so that petitioner has failed to prove itself injured by the registration sought to be canceled.

EX PARTE WESTGATE SEA PRODUCTS CO., Serial No. 459,971.

In a decision rendered October 26, 1944 (166 Ms. Dec. 621, — U. S. P. Q. —), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks refusing to register the word "Westgate," under the provisions of the act of February 20, 1905, as a trade-mark for canned fish. Registration was refused on three grounds: first, that the mark is a geographical name or term; second, that it is the name of an individual, not distinctively displayed; and third, that it is confusingly similar to the mark of an old registration for wheat flour.

The Examiner's refusal to register in view of the reference was disapproved, since not only has the owner of the registration expressly consented to the registration of applicant's mark, but it is doubtful that wheat flour and canned fish may properly be said to have the same descriptive properties. At least their specific differences are so great that very slight differences between the marks under which they are sold would serve to obviate any reasonable likelihood of confusion. The marks in question differ only slightly, but sufficiently.

It was held that the Examiner's refusal to register on the grounds that applicant's mark is geographical, and that it is the name of an individual not distinctively displayed, was proper.

GROCERS' BISCUIT COMPANY, INCORPORATED, *v.* JOHN H. WILKINS COMPANY *v.* ELMER A. HUBBS *v.* MCGOVERN & MCGOVERN *v.* ROBERT E. CHANDLER *v.* TEXAS BREAD COMPANY, Interference No. 3513.

In a decision rendered October 27, 1944 (166 Ms. Dec. 625, — U. S. P. Q. —), *First Assistant Commissioner Frazer* denied a petition by Hubbs from the action of the Examiner of Trade-Marks denying his motion that the interference be dissolved as to him; or, in the alternative, that it be reformed so as to include all registrants of similar marks, especially those marks having the word "Dixie" as a part thereof. The interference proceeding involved the application of Grocers' Biscuit Company, Incorporated, of Louisville, Ky., for registration of the notation "Dixie Belle" as a trade-mark for certain bakery products; the registration of John H. Wilkins Company, of Washington, D. C., of the trade-mark "Dixie Bell" for coffee; the registration of Elmer A. Hubbs, of Dallas, Texas, of the trade-mark "Dixie Cream" for doughnuts and doughnut flour; the registration of McGovern & McGovern, of Seattle, Wash., of the trade-mark "Dixie Belle" for canned fish; the registration of Robert E. Chandler, of Arcadia, Fla., of a trade-mark for bread, which is dominated by the notation "Dixie Gem"; and the registration of Texas Bread Company, of Houston, Texas, of the trade-mark "Dixie Maid" for bread.

It was held that no appeal lies from the refusal of the Examiner of Trade-Marks to dissolve an interference, and his ruling may be reversed upon petition only if he is plainly chargeable with an abuse of discretion not found to exist on the facts of this case.

It was held that a party to a trade-mark interference may not move to add thereto registrations which he does not own, and for this reason, the Examiner of Interferences should have dismissed the motion to reform. But even were petitioner entitled to be heard, there would be no occasion to reverse the Examiner's ruling, since the declaration of an interference is a matter peculiarly within the discretion of that official, and his action in declining to add further registrations to a pending proceeding will not be disturbed in the absence of a showing that he has abused such discretion, and petitioner has made no such showing.

UNITED DRUG COMPANY *v.* CARTER PRODUCTS, INC., Opposition No. 22,529.

In a decision rendered October 28, 1944 (166 Ms. Dec. 627, — U. S. P. Q. —), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences sustaining the opposition of United Drug Company, of Boston, Mass., to the application of Carter Products, Inc., of New York, N. Y., for the registration of the word "Cartrex" as a trade-mark for a laxative.

The Examiner of Interferences sustained the opposition on the ground that applicant's mark is confusingly similar to opposer's trade-mark "Agarex," registered June 19, 1928, for an emulsion of mineral oil for lubricating the bowels.

It was held that, assuming the dictionaries to be correct, opposer's product falls within the broad description of merchandise in the application; and for the purpose of this proceeding the goods of the parties must be treated as substantially identical.

It was held that regardless of a possible signifi-

cance of the two marks, and the way they are likely to be pronounced, there is at least sufficient similarity between them to create a doubt as to the probability that confusion would result from their concurrent use on identical merchandise, and such doubt must be resolved in opposer's favor.

It was held that the opposition must be sustained in view of the registration relied upon by opposer of the word "Rex" for a dyspepsia cure, issued in 1900 and renewed in 1930, since applicant's mark includes the entire mark of opposer; and there can be no question but that a laxative and a dyspepsia remedy have the same descriptive properties.

EX PARTE MONTRES HENEX S. A., Informal application for registration of a trade-mark for watches, watch movements, casings, etc.

In a decision rendered October 28, 1944 (166 Ms. Dec. 629, — U. S. P. Q. —), *First Assistant Commissioner Frazer*, on a petition of Montres Henex S. A., of Tavannes, Switzerland, that a filing date be granted its informal application for registration of a trade-mark where the papers were executed by the corporation's self-styled attorney-in-fact, held that the Commissioner of Patents is without authority to waive the mandatory statutory requirement of section 2 of the act of February 20, 1905, under which act the application purports to have been filed, for a written declaration verified by the applicant, or by a member of the firm or an officer of the corporation or associate applying.

CELANESE CORPORATION OF AMERICA *v.* EASTMAN KODAK COMPANY, Opposition No. 22,140.

In a decision rendered October 28, 1944 (166 Ms. Dec. 630, — U. S. P. Q. —), *First Assistant Commissioner Frazer* dismissed opposer's appeal from the action of the Examiner of Interferences, who had dismissed the opposition of Celanese Corporation of America, of New York, N. Y., to the application of Eastman Kodak Company, of Rochester, N. Y., for registration of a trade-mark, but on an ex parte ground held applicant's mark nonregistrable where applicant took no appeal; and the ex parte refusal to register has become final.

TRADE-MARKS

OFFICIAL GAZETTE, NOVEMBER 28, 1944

[VOL. 568. No. 4]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 462,438. CONTINENTAL CARBON COMPANY, New York, N. Y. Filed Aug. 2, 1943.

CONTINEX

FOR CARBON BLACK.
Claims use since April 1939.

Ser. No. 462,441. CONTINENTAL CARBON COMPANY, New York, N. Y. Filed Aug. 2, 1943.

KNIGHT

FOR CARBON BLACK.
Claims use since April 1939.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 469,725. ENGER-KRESS COMPANY, West Bend, Wis. Filed Apr. 27, 1944.

Jackfold

FOR MEN'S BILL FOLDS MADE OF LEATHER AND LEATHER-LIKE MATERIALS.
Claims use since Apr. 11, 1944.

Ser. No. 470,103. CHARACTER LEATHER PRODUCTS CO., Boston, Mass. Filed May 10, 1944.

"CHARACTER"

FOR PERSONAL LEATHER WARES—NAMELY, MEN'S AND LADIES' WALLETS, BILLFOLDS, KEY CASES, COIN PURSES, CARD CASES, POCKET SECRETARIES COMPRISING LEATHER-COVERED HOLDERS WITH OR WITHOUT WRITING TABLETS, LEATHER POCKET UTILITY CASES, PORTFOLIOS, HANDBAGS, AND DRESSING CASES FITTED AND UNFITTED.
Claims use since Aug. 2, 1943.

Ser. No. 474,919. PARISIAN HANDBAG CO., INC., New York, N. Y. Filed Oct. 4, 1944.



FOR LADIES' HANDBAGS.
Claims use since Mar. 9, 1943.

Ser. No. 475,243. ALBERT M. BROUDY, Pittsburgh, Pa. Filed Oct. 12, 1944.

BRELLA

FOR HAND BAGS WHICH EMBODY A SEPARATE COMPARTMENT ADAPTED FOR RECEIVING AN UMBRELLA.
Claims use since Mar. 9, 1944.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 432,034. THE KROGER GROCERY & BAKING COMPANY, Cincinnati, Ohio. Filed May 17, 1940. Under section 5b of the act of 1905 as amended in 1920 as to "Krogers."

KROGER'S AVALON Chlorite

The drawing is lined for blue. The word "Chlorite" is disclaimed apart from the mark.
FOR WASHING AND CLEANING COMPOUND.
Claims use since Aug. 1, 1937.

Ser. No. 467,792. J. ROTH & SON CO., New York, N. Y. Filed Feb. 26, 1944.

Clean-O-lizing

No claim is made to the word "Clean" apart from the mark.
FOR CLEANING FLUID PREPARATION FOR ANIMAL FURS.
Claims use since 1931.

Ser. No. 468,051. VILLA LABORATORIES LIMITED, Liverpool, England. Filed Mar. 7, 1944.

DARRY

FOR METAL POLISH AND GRATE POLISH.
Claims use since Dec. 1, 1938.

Ser. No. 468,052. VILLA LABORATORIES LIMITED, Liverpool, England. Filed Mar. 7, 1944.

DRIM

FOR DETERGENT IN CAKE FORM FOR HAND CLEANING CARPETS AND LINOLEUM.
Claims use since Feb. 11, 1939.

Ser. No. 469,365. HARRY F. REES, doing business as Celiroc Insulation Company, Birmingham, Ala. Filed Apr. 15, 1944.

CELIROC

FOR SWEEPING COMPOUND.
Claims use since November 1942.

Ser. No. 469,915. NATHAN ROSENTHAL, doing business as Speed Mfg. Co., Roxbury, Mass. Filed May 3, 1944.

SPEED
Shoe Polish
SPEED MFG. CO., BOSTON MASS.

No claim is made to the words "Shoe Polish" and "Mfg. Co., Boston, Mass.," except as shown.
FOR SHOE POLISHES.
Claims use since Mar. 7, 1944.

Ser. No. 474,445. H. D. DUNAWAY, doing business as H. D. Dunaway Company, Atlanta, Ga. Filed Sept. 21, 1944.

Relief

FOR PREPARATION FOR REMOVING SPOTS AND STAINS SUCH AS PAINT, GREASE, LIPSTICK, ROUGE, OIL, SHOE POLISH, BLOOD, SWEET STAINS, YELLOW STAINS, AND THE LIKE FROM CLOTHING, CELANESE, RAYON, SILK, AND WOOLENS, AND FOR REMOVING PERSPIRATION ODOR FROM CLOTHING, AND USED AS A DRY-CLEANING SOAP.
Claims use since 1935.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 468,074. GERTRUDE FRAZIER, Santa Cruz, Calif. Filed Mar. 8, 1944.

FRAZ-O-LENE

FOR MEDICINAL PREPARATION IN SALVE FORM FOR THE TREATMENT OF ATHLETE'S FOOT.
Claims use since July 12, 1943.

Ser. No. 472,623. SARA COOLEY COSMETICS, doing business as Empress Theodora Distributor, Los Angeles, Calif. Filed July 25, 1944.

Cantata

FOR COLOGNE.
Claims use since July 17, 1944.

Ser. No. 472,765. THE L. D. CAULK COMPANY, Milford, Del. Filed July 31, 1944.

MERCITAN

FOR ANTISEPTIC AND GERMICIDAL PREPARATION FOR USE AS A MOUTH WASH, AS A GARGLE FOR THE THROAT, AND FOR APPLICATION TO THE NASAL PASSAGES.
Claims use since Dec. 8, 1921.

Ser. No. 472,924. ANABOLIC FOOD PRODUCTS, INC., Glendale, Calif. Filed Aug. 4, 1944.

Benatron

FOR VITAMIN AND MINERAL PREPARATION USED AS A DIETARY SUPPLEMENT.
Claims use since Apr. 27, 1944.

Ser. No. 472,925. ANABOLIC FOOD PRODUCTS, INC., Glendale, Calif. Filed Aug. 4, 1944.

Calpadon

FOR VITAMIN AND MINERAL PREPARATION USED AS A DIETARY SUPPLEMENT.
Claims use since Dec. 6, 1943.

Ser. No. 473,042. WARREN F. WILHELM, doing business as Minterals Company, Chicago, Ill. Filed Aug. 7, 1944.

MINTERALS

FOR TABLETS CONTAINING CALCIUM, PHOSPHORUS, SUGAR, AND AROMATICS FOR USE AS A FOOD SUPPLEMENT.
Claims use since April 1943.

Ser. No. 473,169. WILLIAM R. WARNER & CO., INC., Wilmington, Del., and New York, N. Y. Filed Aug. 10, 1944.

SILLEX

FOR EXPECTORANT.
Claims use since October 1932.

Ser. No. 473,218. MARSHALL ENGINEERING COMPANY, Milwaukee, Wis. Filed Aug. 12, 1944.

PENGRIS

FOR CHEMICAL PREPARATION IN THE FORM OF A POWDER OR LIQUID FOR REMOVING OIL OR GREASE FROM ALL TYPES OF METAL PARTS AND HAVING A RUST INHIBITING EFFECT.
Claims use since July 17, 1944.

Ser. No. 473,323. MCKESSON & ROBBINS, INCORPORATED, New York, N. Y. Filed Aug. 16, 1944.

MAGNEX

FOR ANTACID POWDER.
Claims use since Oct. 22, 1942.

Ser. No. 473,352. VITA-VAR CORPORATION, Newark, N. J. Filed Aug. 16, 1944.

VITA-VAR

FOR LINOLEATES AND INSECTICIDE.
Claims use since March 1932.

Ser. No. 473,397. ROXALIN FLEXIBLE FINISHES, INC., Elizabeth, N. J. Filed Aug. 17, 1944.

EMYCEL

FOR CHEMICAL COMPOSITIONS FOR FLAMEPROOFING, FIREPROOFING, MILDEWPROOFING, AND MOISTURE PROOFING FABRICS, WOOD, AND OTHER MATERIALS; CHEMICAL COMPOSITIONS FOR PRESERVING WOOD, FABRIC AND OTHER MATERIALS AGAINST ROTTING OR DETERIORATION CAUSED BY MOISTURE, DRY ROT OR OTHER ORGANISMS; CHEMICAL SLUSHING COMPOUNDS USED TO RENDER METAL CASTINGS AND OTHER MATERIALS NON-POROUS; CHEMICAL INSULATING COMPOUNDS; CHEMICAL COMPOSITIONS FOR PROTECTING METAL AGAINST TARNISH AND CORROSION; CHEMICAL CATALYTIC AGENTS TO ACCELERATE CHEMICAL REACTIONS; ANTIFOULING CHEMICAL AGENTS WHICH PREVENT OR TEND TO PREVENT THE GROWTH OF MOLDS AND FOULING ORGANISMS, SUCH AS BARNACLES ON SHIPS' BOTTOMS, ETC., AND WHICH ARE ALSO USED IN BAKING OVENS TO PROTECT THE COATINGS THEREOF AGAINST FLATTENING OR WRINKLING.
Claims use since 1941.

Ser. No. 473,437. THE UPJOHN COMPANY, Kalamazoo, Mich. Filed Aug. 18, 1944.

ERGALOID

FOR MEDICINAL PREPARATIONS FOR THE TREATMENT OF UTERINE HEMORRHAGE.
Claims use since July 16, 1943.

Ser. No. 473,477. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio. Filed Aug. 21, 1944.

BUTEX

FOR COMPOUNDING INGREDIENT FOR RUBBER, SYNTHETIC RUBBER AND THE LIKE, SPECIFICALLY ACCELERATOR OF VULCANIZATION.
Claims use since July 5, 1938.

Ser. No. 473,511. THE NEW JERSEY ZINC COMPANY, New York, N. Y. Filed Aug. 22, 1944.



FOR LUMINESCENT CHEMICAL COMPOUNDS OF PIGMENT-LIKE NATURE COMPRISING ZINC SULPHIDE; ZINC SULPHIDE PLUS CADMIUM SULPHIDE; AND CALCIUM SULPHIDE PLUS STRONTIUM SULPHIDE.
Claims use since July 31, 1944.

Ser. No. 473,527. ERNST BISCHOFF COMPANY, INCORPORATED, Ivoryton, Conn. Filed Aug. 23, 1944.

Aquakay

FOR VITAMIN PREPARATIONS.
Claims use since July 13, 1944.

Ser. No. 473,528. ERNST BISCHOFF COMPANY, INCORPORATED, Ivoryton, Conn. Filed Aug. 23, 1944.

Aquinone

FOR VITAMIN PREPARATIONS.
Claims use since June 7, 1944.

Ser. No. 473,603. HOFFMANN-LA ROCHE, INC., Nutley N. J. Filed Aug. 25, 1944.

REDOCAL

FOR MEDICINAL PREPARATION RECOMMENDED FOR USE IN PROPHYLAXIS AND TREATMENT OF CONDITIONS WHERE CALCIUM AND VITAMINS ARE INDICATED.
Claims use since Aug. 11, 1944.

Ser. No. 473,862. LENTHERIC, INCORPORATED, New York, N. Y. Filed Sept. 2, 1944.

Lenthéric

FOR PERFUMES AND PERFUME PREPARATIONS; TOILET WATERS, FACE, BATH, TALCUM, SACHET, AND AFTER-SHAVE POWDERS, SHAMPOO PREPARATION; ROUGES; LIPSTICKS; LIP POMADE; COSMETIC CREAMS; FACIAL, SUN-TAN, AND AFTER-SHAVE LOTIONS; COMPLEXION MILK; MAKE-UP BASE; LEG MAKE-UP; BATH AND SUN-TAN OILS; BATH AND BUBBLE-BATH SALTS; SACHETS; DEODORANTS; MASCARA; BRILLIANTINES; SCALP STIMULANT; AND HAIR DRESSING.
Claims use since 1873.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 474,235. FOSTER GRANT CO. INC., Leominster, Mass. Filed Sept. 15, 1944.

FOSTA

Applicant is the owner of Reg. No. 363,365.
FOR CIGARETTE CASES.
Claims use since Aug. 15, 1944.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 474,418. FRED'K H. LEVEY CO. INC., New York, N. Y. Filed Sept. 20, 1944.

LEVECOL

FOR PRINTING INKS.
Claims use since Feb. 21, 1944.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 465,329. WESTBERG COMPANY, Los Angeles, Calif. Filed Nov. 26, 1943.

WESTCRETE

FOR PRE-CAST CONCRETE BUILDING UNITS, PRE-CAST CONCRETE WALL SECTIONS, AND PRE-CAST CONCRETE FLOOR SECTIONS.
Claims use since Sept. 1, 1943.

Ser. No. 466,305. JOHNS-MANVILLE CORPORATION, New York, N. Y. Filed Jan. 4, 1944.

TRANSITOP

FOR BUILDING MATERIAL CONSISTING OF A THERMAL INSULATING BOARD CORE AND AN ASBESTOS-CEMENT SHEET ON ONE OR BOTH FACES OF THE CORE.
Claims use since Dec. 21, 1943.

Ser. No. 468,711. FOSTER AND KLEISER COMPANY, San Francisco, Calif. Filed Mar. 27, 1944.

CALADOBE

FOR STABILIZED ADOBE BRICK.
Claims use since Nov. 1, 1942.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 465,652. THE EDWARD VALVE & MANUFACTURING CO., INC., East Chicago, Ind. Filed Dec. 9, 1943.

EVALIZED

FOR VALVES AND PARTS OF VALVES—NAMELY, GLOBE STOP VALVES, ANGLE STOP VALVES, NON-RETURN VALVES, CHECK VALVES, BLOW-OFF VALVES, GATE VALVES, VALVES FOR CONTROLLING FLUID FLOW AT HIGH PRESSURES, VALVES FOR CONTROLLING FLUID FLOW AT HIGH TEMPERATURES, AND IN GENERAL, VALVES FOR CONTROLLING THE FLOW OF FLUIDS UNDER PRESSURE.
Claims use since Oct. 12, 1943.

Ser. No. 465,653. THE EDWARD VALVE & MANUFACTURING CO., INC., East Chicago, Ind. Filed Dec. 9, 1943.

EVINLAY

FOR VALVES AND PARTS OF VALVES—NAMELY, GLOBE STOP VALVES, ANGLE STOP VALVES, NON-RETURN VALVES, CHECK VALVES, BLOW-OFF VALVES, GATE VALVES, VALVES FOR CONTROLLING FLUID FLOW AT HIGH PRESSURES, VALVES FOR CONTROLLING FLUID FLOW AT HIGH TEMPERATURES, AND IN GENERAL, VALVES FOR CONTROLLING THE FLOW OF FLUIDS UNDER PRESSURE.
Claims use since Oct. 12, 1943.

Ser. No. 472,978. THE IMPERIAL BRASS MANUFACTURING COMPANY, Chicago, Ill. Filed Aug. 5, 1944.

NAUTA

FOR FLUSH VALVES.
Claims use since June 23, 1944.

Ser. No. 473,536. GLAZIERS' TOOL MFG. CORP., Chicago, Ill. Filed Aug. 23, 1944.

TROJAN

FOR GLAZIERS' POINTS.
Claims use since July 1924.

Ser. No. 473,758. ADEL PRECISION PRODUCTS CORP., Burbank, Calif. Filed Aug. 31, 1944.

S*porty

FOR CONDUIT SUPPORTING BLOCKS AND CONDUIT SUPPORTING CLIPS, ESPECIALLY DESIGNED FOR USE IN THE CONSTRUCTION OF AIRCRAFT.
Claims use since July 28, 1944.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 464,339. HAL W. HARMAN, doing business as Harman Process Company, El Paso, Tex. Filed Oct. 22, 1943.

SAVE-A-WELD

No claim is made to the word "Weld" apart from the mark.
FOR METALLIC LOCKING FASTENING SLUGS.
Claims use since July 1, 1937.

Ser. No. 464,482. HAL W. HARMAN, doing business as Harman Process Company, El Paso, Tex. Filed Oct. 28, 1943.

VEL-O-WELD

No claim is made to the word "Weld" apart from the mark.
FOR METALLIC LOCKING FASTENING SLUGS.
Claims use since Jan. 1, 1941.

Ser. No. 467,179. AMPCO METAL, INC., Milwaukee, Wis. Filed Feb. 5, 1944.

AMPCO-TRODE

FOR METALLIC WELDING RODS AND ARC WELDING ELECTRODES.
Claims use since Mar. 15, 1941.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 464,297. THE AMERICAN CRAYON COMPANY, Sandusky, Ohio. Filed Oct. 21, 1943. Under section 5b of the act of 1905 as amended in 1920.

Prang

FOR WATER COLORS, COLORING MATERIALS FOR USE IN PAINTING, TEXTILES, FABRICS, AND SHEET MATERIALS, EXTENDERS FOR STENCILLING, SLOW DRYING EXTENDERS FOR SILK SCREEN AND HAND BLOCKING, THINNER EXTENDERS FOR HAND PAINTING AND AIR BRUSH WORK, SETS OF COLORING MATERIALS FOR PAINTING FABRICS AND SHEET MATERIALS WHICH INCLUDE A CLEANER FOR CLEANING PAINTED OR COLORED SURFACES.
Claims use since 1870 on water colors; and since Oct. 28, 1940, on remaining products.

Ser. No. 474,265. ALUMATONE CORPORATION, Los Angeles, Calif. Filed Sept. 16, 1944.



FOR READY MIXED ALUMINUM PAINTS.
Claims use since Aug. 1, 1939.

Ser. No. 474,348. OROLINE PRODUCTS CO., Chicago, Ill. Filed Sept. 18, 1944.

OROLINE

FOR METALLIC PIGMENTS, VEHICLES FOR METALLIC PIGMENTS, AND MIXED METALLIC PIGMENT PAINTS.
Claims use since May 1926.

Ser. No. 474,410. GUIGNON & GREEN, INC., New York, N. Y. Filed Sept. 20, 1944.

G & G SOLVENT

Applicant disclaims sole use of the word "Solvent" apart from the mark.
FOR TURPENTINE TYPE OF SOLVENT OR THINNER.
Claims use since Sept. 5, 1944.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 457,178. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa. Filed Dec. 2, 1942.

QUICKLAG

FOR ELECTRIC CIRCUIT BREAKERS.
Claims use since October 1940.

Ser. No. 467,093. ELECTRIC FIXTURE MFG. CO., Newark, N. J. Filed Feb. 2, 1944.

"DUALUME"

FOR FLUORESCENT LAMP FIXTURES AND LUMINAIRES.
Claims use since Nov. 15, 1939.

Ser. No. 473,296. TITEFLEX, INC., Newark, N. J. Filed Aug. 15, 1944.

WAVEFLEX

FOR FLEXIBLE METAL CONDUIT AND FITTINGS, JUNCTION BOXES, MECHANICAL ELEMENTS FOR HIGH FREQUENCY TRANSMISSION LINES, AS WAVE GUIDES, FLANGES, CHOKES, HORN SECTIONS, ELBOWS, AND ASSEMBLIES OF WAVE GUIDES AND FITTINGS.
Claims use since Aug. 9, 1944.

Ser. No. 474,468. ADMIRAL CORPORATION, Chicago, Ill. Filed Sept. 22, 1944.

Admiral

FOR ELECTRIC STOVES.
Claims use since August 1944.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 469,813. WALTER A. HARTWIG, doing business as Tots Toys, Milwaukee, Wis. Filed Apr. 29, 1944.

MIDNITE

FOR TOY HORSES.
Claims use since December 1941.

Ser. No. 469,814. WALTER A. HARTWIG, doing business as Tots Toys, Milwaukee, Wis. Filed Apr. 29, 1944.

PEPPY

FOR TOY HORSES.
Claims use since December 1941.

Ser. No. 475,092. GEORGE F. WEBER, Akron, Ohio. Filed Oct. 7, 1944.

Jerry

FOR DOLLS AND DRESSED DOLLS.
Claims use since Oct. 4, 1944.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 463,149. HUB INDUSTRIES, INC., Long Island City, N. Y., assignor to Dowty Equipment Limited, Cheltenham, England, a British corporation. Filed Sept. 1, 1943.

LIVE LINE

FOR HYDRAULIC PUMPS.
Claims use since March 1940.

Ser. No. 471,574. SERVICE SUPPLY CORPORATION, Philadelphia, Pa. Filed June 23, 1944.

S&L

FOR POWER ACTUATED HOISTS.
Claims use since Sept. 2, 1943.

Ser. No. 471,575. SERVICE SUPPLY CORPORATION, Philadelphia, Pa. Filed June 23, 1944.

S-R-L

FOR POWER ACTUATED HOISTS.
Claims use since Sept. 2, 1943.

Ser. No. 472,913. THE UNION FORK & HOE COMPANY, Columbus, Ohio. Filed Aug. 3, 1944.

E Z DUZ IT

FOR HAND OPERATED TOOLS—NAMELY, AXES, CULTIVATORS, CUTTERS, LETTUCE CUTTERS, THISTLE, DOCK, AND WEED CUTTERS, D-HANDLES FOR TOOLS, MANURE DRAGS, POTATO DRAGS, PHOSPHATE DRAGS, STONE DRAGS, LAWN EDGERS, TURF EDGERS, LIGHT AND HEAVY FORKS, ALFALFA FORKS, ASPHALT FORKS, BALING FORKS, BALLAST FORKS, BARLEY FORKS, BEET FORKS, CLOVER FORKS, COAL FORKS, COAL SCOOP FORKS, COKE FORKS, COTTON SEED FORKS, ENGLISH DIGGING FORKS, ENSILAGE FORKS, FISH FORKS, FLORAL SPADING FORKS, GRAIN FORKS, HAY FORKS, HEADER FORKS, MANURE FORKS, MILL FORKS, PHOSPHATE FORKS, POTATO DIGGING FORKS, PULP FORKS, SHAVING FORKS, SPADING FORKS, STREET FORKS, STONE FORKS, STONE PICKER FORKS, TANNERS' FORKS, TAR FORKS, VEGETABLE SCOOP FORKS, FLORAL GARDEN TOOLS, ICE CHISELS, HOES, BEET HOES, BLACKLAND HOES, BOYS' HOES, CORN HOES, COTTON HOES, COTTON CHOPPER HOES, CULTIVATOR HOES, EYE HOES, FIELD HOES, FLORAL HOES, GARDEN HOES, GRADING HOES, GRAPE HOES, GRUB HOES, HANDLED SPROUTING HOES, HANDLED SQUARE EYE HOES, LADIES' HOES, MATTOCK HOES, MEADOW HOES, MORTAR HOES, MORTAR MIXER HOES, NURSERY HOES, NURSERYMEN'S HOES, ONION HOES, PLANTER HOES, RHODE ISLAND HOES, RIVETED HOES, SCUFFLE HOES, SPROUTING HOES, STRAWBERRY HOES, STREET HOES, SUGAR BEET HOES, THINNING HOES, TOBACCO HOES, WARREN HOES, WEEDING HOES, WHIRLWIND HOES, CLAM HOOKS, GARBAGE HOOKS, MANURE HOOKS, NURSERYMEN'S HOOKS, PHOSPHATE HOOKS, POTATO HOOKS, REFUSE HOOKS, STONE HOOKS, LAWN COMBS, RAKES, ASPHALT RAKES, BRUME RAKES, CLAM RAKES, CURVED TOOTH RAKES, DANDELION RAKES, FLAT BOW RAKES, FLORAL RAKES, GARDEN RAKES, GRAVEL RAKES, LAWN RAKES, LEVEL HEAD RAKES, MALLEABLE RAKES, PINE NEEDLE RAKES, ROAD RAKES, ROUND BOW RAKES, SINGLE SHANK RAKES, STEEL RAKES, STONE RAKES, TAR RAKES, TWO-MAN RAKES, WIRE LAWN RAKES, SEEDLING SETTERS, BARN FLOOR SCRAPERS, CHICKEN HOUSE SCRAPERS, DECK SCRAPERS, FLOOR SCRAPERS, SHIP SCRAPERS, SHOVELS, FIRE SHOVELS, FLORAL SHOVELS, SIDE WALK CLEANERS, SOD LIFTERS, SPADES, CONCRETE SPADES, HAND SPADES, TOOL HANDLES AND PARTS THEREOF, TROWELS, GARDEN TROWELS, NURSERYMEN'S TROWELS, TRANSPLANTING TROWELS, WEEDERS, DANDELION WEEDERS, HAND WEEDERS, ONION WEEDERS.
Claims use since June 1, 1944.

Ser. No. 473,073. P. M. PAYNE & COMPANY, Denver, Colo. Filed Aug. 8, 1944.



FOR GRINDING BALLS FOR BALL MILLS.
Claims use since Feb. 15, 1935.

Ser. No. 473,108. NEW JERSEY MACHINE CORPORATION, Hoboken, N. J. Filed Aug. 9, 1944.

CODE-O-MATIC

The word "Code" is disclaimed apart from the mark.
FOR PRINTING MACHINES FOR APPLYING CODE INDICATIONS TO LABELS.
Claims use since May 15, 1940.

Ser. No. 473,214. GENEVA FORGE, INC., Geneva, N. Y. Filed Aug. 12, 1944.

FLINT

FOR CULINARY TOOLS—NAMELY, PEELING AND PARING KNIVES, BUTCHER KNIVES, SLICING KNIVES, CARVING KNIVES, FORKS, SPOONS, SPATULAS, LADLES, VEGETABLE MASHERS, CAKE TURNERS, AND PASTRY SERVERS (NOT INCLUDING SILVER OR SILVER PLATED TOOLS).
Claims use since Mar. 15, 1942.

Ser. No. 473,215. GENEVA FORGE, INC., Geneva, N. Y. Filed Aug. 12, 1944.



FOR CULINARY TOOLS—NAMELY, PEELING AND PARING KNIVES, BUTCHER KNIVES, SLICING KNIVES, CARVING KNIVES, FORKS, SPOONS, SPATULAS, LADLES, VEGETABLE MASHERS, CAKE TURNERS, AND PASTRY SERVERS (NOT INCLUDING SILVER OR SILVER PLATED TOOLS).
Claims use since Mar. 15, 1942.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 473,260. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Aug. 14, 1944.

CROSS COUNTRY

FOR ALCOHOLOMETERS AND BATTERY HYDROMETERS.
Claims use since July 1940.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 468,304. NIVADA WATCH CORPORATION, New York, N. Y. Filed Mar. 14, 1944.

Nivada

FOR WATCHES.
Claims use since April 26, 1940.

Ser. No. 473,932. ABRAHAM BLUMSTEIN, New York, N. Y. Filed Sept. 7, 1944.



FOR WATCHES AND MOVEMENTS THEREFOR.
Claims use since Aug. 15, 1944.

Ser. No. 474,454. WALTER KOCHER, New York, N. Y. Filed Sept. 21, 1944.

FRENCA

FOR WATCHES.
Claims use since Aug. 28, 1941.

Ser. No. 474,456. WALTER KOCHER, New York, N. Y. Filed Sept. 21, 1944.

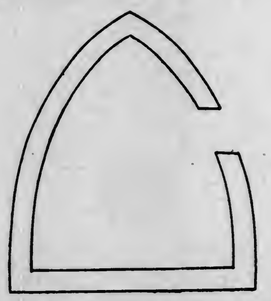
Renova

FOR CLOCKS.
Claims use since Mar. 16, 1939.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 453,258. MAURICE J. STEIN, New York, N. Y. Filed May 28, 1942.



FOR JEWELRY FOR PERSONAL WEAR—NAMELY, RINGS, BRACELETS, AND PINS, NOT INCLUDING WATCHES.
Claims use since Apr. 1, 1939.

CLASS 30

CROCKERY, EARTHENWARE, AND PORCELAIN

Ser. No. 470,800. ALBERT LEFCOURTE, doing business as Lefcourte Cosmetics Co., New York, N. Y. Filed May 30, 1944.

"COVER GIRL"

FOR EMPTY PORCELAIN COSMETIC BOXES.
Claims use since July 3, 1943.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 474,361. REMBRANDT LAMP CORPORATION, Chicago, Ill. Filed Sept. 18, 1944.



No claim is made to the word "Masterpieces" apart from the mark. The portrait is that of Rembrandt Harmanszoon van Rijn, deceased. The drawing is lined for shading.
FOR TABLES SUITABLE FOR USE AS OCCASIONAL FURNITURE.
Claims use since Nov. 18, 1942.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 468,200. LOUIS D. HOULIS, Dallas, Tex. Filed Mar. 11, 1944. Under the act of February 20, 1905, as amended June 10, 1938.

ATMOSTATIC

FOR BAKERS' OVENS, MACHINERY AND EQUIPMENT—NAMELY, REVOLVING TRAY OVENS, TRAY TRAVELING OVENS, ROTARY HEARTH DECK AND BRICK OVENS, FERMENTATION ROOMS, PROOF BOXES, BREAD COOLERS, STEAM BOILERS, GAS AND OIL BURNERS THEREFOR, MECHANICALLY AND ELECTRICALLY OPERATED CONTROL MECHANISMS FOR CONTROLLING THE TEMPERATURE AND HUMIDITY OF SUCH EQUIPMENT, SAID MECHANISMS FORMING PART OF SAID EQUIPMENT AND INCLUDING SAFETY PILOTS, THROTTLING DEVICES, AUTOMATIC SHUT-OFF VALVES AND REGULATORS.
Claims use since Jan. 1, 1930.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 472,812. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio. Filed Aug. 1, 1944.

RAYOCABLE

FOR TIRES COMPOSED WHOLLY OR PRINCIPALLY OF RUBBER.
Claims use since July 18, 1944.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 473,582. RICHMOND-WALKER MANUFACTURING CO., Oakland, Calif. Filed Aug. 24, 1944.

suPerForm

FOR GUITAR STEELS.
Claims use since June 24, 1944.

Ser. No. 473,689. W. H. BAGSHAW CO., Lowell, Mass. Filed Aug. 29, 1944.



The word "Steel" is disclaimed apart from the mark.
FOR TALKING MACHINE NEEDLES.
Claims use since Dec. 1, 1920.

Ser. No. 473,744. DUDE MARTIN'S WESTERN RADIO FEATURES, San Francisco, Calif. Filed Aug. 30, 1944.

ROUNDUP
RECORDINGS

The word "Recordings" is disclaimed apart from the mark.
FOR PHONOGRAPH RECORDS.
Claims use since Aug. 1, 1942.

Ser. No. 474,957. GAMBLE STORES, INCORPORATED, Minneapolis, Minn. Filed Oct. 5, 1944.

CORONADO

The drawing is lined for silver.
FOR PIANOS.
Claims use since September 1941.

Ser. No. 475,187. JACK H. BERGMAN, Brooklyn, N. Y. Filed Oct. 11, 1944.

GEM

FOR PHONOGRAPH NEEDLES.
Claims use since Sept. 9, 1944.

CLASS 37

PAPER AND STATIONERY

Ser. No. 471,424. LIBARDO RODRIGUEZ, New York, N. Y. Filed June 19, 1944.

PapeTex

FOR CLEANSING AND TOILET TISSUES.
Claims use since 1942.

Ser. No. 474,234. THE ESTERBROOK STEEL PEN MANUFACTURING COMPANY, Camden, N. J. Filed Sept. 15, 1944.

"POINTMASTER"

FOR WRITING PENS OF ALL KINDS, FOUNTAIN PENS, MECHANICAL PENCILS, AND DESK SETS.
Claims use since Sept. 1, 1944.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 461,025. PLANET, INC., Boston, Mass. Filed May 29, 1943.

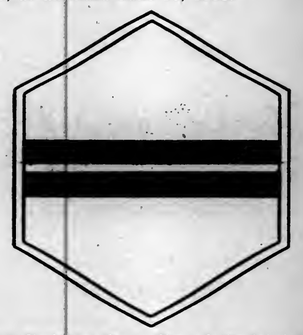
THE PEOPLE'S
PLANET

The drawing is lined for red and green.
FOR MONTHLY PUBLICATION DEALING WITH SUBJECTS OF INTERNATIONAL INTEREST INCLUDING PHOTOGRAPHIC MATTER AND PICTORIAL ARTICLES AND NEWS SUMMARIES.
Claims use since May 10, 1943.

CLASS 39

CLOTHING

Ser. No. 466,870. TEXAGON MILLS, INC., North Bergen, N. J. Filed Jan. 25, 1944. Under the act of February 20, 1905, as amended June 10, 1938.



Applicant disclaims the outline of the label per se.
FOR DRESSES INTENDED FOR WEAR BY WOMEN OR CHILDREN.
Claims use since Feb. 15, 1943.

Ser. No. 470,832. MAX H. FELDMAN, Brooklyn, N. Y. Filed June 1, 1944.

Babyland

FOR INFANTS' WEAR—NAMELY, DIAPERS, PANTIES, BELLY BANDS, BIBS, SWEATERS, HATS, BATH ROBES, SUNSUITS, PLAY SUITS, AND PAJAMAS.
Claims use since Feb. 1, 1925.

Ser. No. 471,425. SALLE ANN SHOPS, INC., St. Louis, Mo. Filed June 19, 1944.

Salle Ann

FOR CORSETS, GIRDLES, BRASSIÈRES, UNDERWEAR, SLIPS, PANTIES, NIGHTGOWNS, BED JACKETS, SLEEPING PAJAMAS, LOUNGING PAJAMAS, HOUSECOATS, NEGLIGEE AND LOUNGING ROBES, HOSIERY, DRESSES, COATS, BLOUSES, SKIRTS FOR OUTER WEAR, SWEATERS, PLAY SUITS, SHORTS FOR OUTER WEAR, SLACKS AND SWIMMING SUITS.
Claims use since Oct. 10, 1936.

Ser. No. 472,729. ARTHUR CAMING, doing business as Art Mor Togs, New York, N. Y. Filed July 29, 1944.
The word "Togs" is disclaimed apart from the mark.

ART-MOR TOGS

FOR LADIES', MISSES', JUNIOR MISSES' AND GIRLS' OUTER SHORTS, SLACKS, OVERALLS, COVERALLS, SUNSUITS, PLAYSUITS, PINAFORES, HALTERS, BLOUSES, OUTER SKIRTS, JUMPERS, SHORT OVERALLS, SUITS, SLACK SUITS, AND CAPES.
Claims use since January 1933.

Ser. No. 472,846. FOURELS, INC., Brooklyn, N. Y. Filed Aug. 2, 1944.

FOURELS
BROOKLYN SHOE MAKERS

The words "Brooklyn" and "Shoe Makers" are disclaimed apart from the mark.
FOR LADIES', MISSES', CHILDREN'S, MEN'S AND BOYS' SLIPPERS, SHOES, AND PLAYSHOES MADE OF LEATHER, CANVAS, FABRIC, OR COMPOSITIONS AND COMBINATIONS THEREOF.
Claims use since 1941.

Ser. No. 472,879. LEWIS MESSINGER, New York, N. Y. Filed Aug. 2, 1944.

DEAREE

FOR HAIR NETS.
Claims use since June 15, 1944.

Ser. No. 473,191. OLDIN-DENNIS, New York, N. Y. Filed Aug. 11, 1944.

PEE WEE

FOR WEARING APPAREL FOR CHILDREN—NAMELY, LINED COTTON POPLIN SNOW JACKETS AND LINED COTTON POPLIN SNOW SUITS, CONSISTING OF PANTS AND PARKAS.
Claims use since November 1943.

Ser. No. 474,255. WILMINGTON HOSIERY MILLS, INC., Wilmington, Del. Filed Sept. 15, 1944.

LAZEESTRETCH

FOR HOSIERY.
Claims use since Aug. 1, 1944.

Ser. No. 474,402. IRVING FINKER CO., New York, N. Y. Filed Sept. 20, 1944.

VELURO

FOR WOMEN'S COATS AND SUITS.
Claims use since Sept. 12, 1944.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 470,857. MANCO WATCH STRAP CO., New York, N. Y. Filed June 2, 1944.

TOP-NOTCH

FOR LEATHER AND FABRIC WRIST WATCH STRAPS.
Claims use since July 25, 1936.

Ser. No. 473,460. E. C. SCHERER, INC., New York, N. Y. Filed Aug. 19, 1944.

PERIDO

FOR HAT BRAIDS OF VARIOUS SYNTHETIC FIBRES.
Claims use since July 12, 1944.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 462,995. A. D. JUILLIARD & CO., INC., New York, N. Y. Filed Aug. 25, 1943.

CREPE JULIA

No claim is made to the word "Crepe" apart from the mark.
FOR PIECE GOODS OF WOOL, SILK, COTTON RAYON OR MIXTURES THEREOF.
Claims use since Nov. 1, 1921.

Ser. No. 464,362. MARK A. SWARTZ, doing business as Atlantic Rubber Products Co., Boston, Mass. Filed Oct. 22, 1943.

GLOS-TEX

Applicant disclaims the word "Glos" except as shown.
FOR SHOE FABRICS MADE OF A RAYON AND COTTON KNIT COMBINED WITH SYNTHETIC RUBBER.
Claims use since Sept. 16, 1943.

Ser. No. 466,798. THE KENDALL COMPANY, Walpole, Mass. Filed Jan. 22, 1944.

HERCULOX

FOR SEED BED COVERS MADE OF COTTON GAUZE, CHEESE-CLOTH, OR OTHER LIGHT WEIGHT COTTON TEXTILES, AND FITTED WITH GROMMETS.
Claims use since Jan. 11, 1944.

Ser. No. 469,711. E. F. TIMME & SON, New York, N. Y. Filed Apr. 26, 1944.

WUL-MO

The word "Wul" is disclaimed apart from the mark.
FOR PILE FABRICS IN THE PIECE OF COMBINATION WOOL AND MOHAIR.
Claims use since Oct. 28, 1943.

Ser. No. 469,935. MARVLO FABRICS, INC., New York, N. Y. Filed May 4, 1944.

MARVLO

FOR PIECE GOODS OF COTTON, LINEN, SILK, AND RAYON.
Claims use since 1905.

Ser. No. 472,797. ALSON TEXTILE CORPORATION, New York, N. Y. Filed Aug. 1, 1944.

Chevronspun

FOR RAYON PIECE GOODS.
Claims use since Sept. 25, 1941.

Ser. No. 473,013. AMERICAN WOOLEN COMPANY, New York, N. Y. Filed Aug. 7, 1944.

VELBLOOM

FOR PIECE GOODS COMPOSED WHOLLY OR IN PART OF WOOL OR WORSTED.
Claims use since July 27, 1944.

Ser. No. 473,598. FORSTMANN WOOLEN CO., Passaic, N. J. Filed Aug. 25, 1944.

Triton Shades

Applicant disclaims the word "Shades" except as shown.
FOR WOOLEN PIECE GOODS.
Claims use since Aug. 8, 1944.

CLASS 43

THREAD AND YARN

Ser. No. 474,422. PATONS & BALDWINS, INC., Newark, N. J. Filed Sept. 20, 1944.

TAM O'SHANTER

FOR WOOLEN YARN.
Claims use since July 6, 1944.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 474,606. ROBERT T. PLATE, doing business as Curly Lox Products, Detroit, Mich. Filed Sept. 25, 1944.

2-IN-1

FOR EYEBROW TWEEZERS.
Claims use since Mar. 29, 1943.

CLASS 45

BEVERAGES, NONALCOHOLIC

Ser. No. 462,702. DAGGETT CHOCOLATE COMPANY, doing business as Master Chocolate Makers, Cambridge, Mass. Filed Aug. 13, 1943.

Ambrosia Punch

Applicant is the owner of T. M. Reg. No. 163,363 for the mark "Ambrosia Punch." No claim is made for the word "Punch" apart from the mark.
FOR FRUIT SYRUPS FOR MAKING SOFT DRINKS.
Claims use since 1905.

Ser. No. 474,721. CASCELLA SPRINGS CO., Three Rivers, Mass. Filed Sept. 29, 1944.

GreeTings

FOR NONALCOHOLIC, MALTLESS BEVERAGES.
Claims use since Sept. 19, 1944.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 460,613. FRUEN MILLING COMPANY, Minneapolis, Minn. Filed May 14, 1943. Under 10-year proviso.

Fruen's

FOR ROLLED WHEAT BREAKFAST FOODS.
Claims use since Sept. 1, 1894.

Ser. No. 467,995. CHARLES G. CARROLL, doing business as Charles Carroll Company, Kansas City, Mo. Filed Mar. 6, 1944.

Here's Elmer's



The picture is fanciful.
FOR FRENCH DRESSING, MEAT SAUCES, MAYONNAISE, SALAD DRESSING, LUNCHEON MEATS, CHEESE, CATSUP, CHILI SAUCE, MUSTARD, PICKLES, SPICES, VINEGAR, AND HORSE RADISH.
Claims use since Feb. 9, 1944.

Ser. No. 468,763. NATIONAL HOSPITAL ASSOCIATION, doing business as Beaver Island Fruit Acres, Portland, Oreg.

WILLOPAC

Filed Mar. 28, 1944.
FOR NUTS BOTH SHELLED AND IN THE SHELL.
Claims use since Nov. 19, 1943.

Ser. No. 470,711. EASTERN CONNECTICUT POULTRY PRODUCERS, INC., Willimantic, Conn. Filed May 27, 1944. Under the act of February 20, 1905, as amended June 10, 1938.

New England Maid

No claim is made to the words "New England" apart from the mark.
FOR EGGS.
Claims use since Mar. 15, 1923.

Ser. No. 472,516. GORTON-PEW FISHERIES COMPANY, LTD., Gloucester, Mass. Filed July 22, 1944. Under 10-year proviso.

Gorton's

FOR CANNED FISH, SALT FISH, SMOKED FISH, AND SPICED FISH.
Claims use since 1875.

Ser. No. 472,861. JAFFE CANDY CO., Los Angeles, Calif. Filed Aug. 2, 1944.

Academy Award

FOR CANDY.
Claims use since Mar. 18, 1944.

Ser. No. 472,862. JAFFE CANDY CO., Los Angeles, Calif. Filed Aug. 2, 1944.



FOR CANDY.
Claims use since Mar. 18, 1944.

Ser. No. 474,690. BEATRICE CREAMERY COMPANY, Chicago, Ill. Filed Sept. 28, 1944.

BEATREME

FOR POWDERED VEGETABLE SHORTENING CONTAINING HYDROGENATED VEGETABLE OIL, NONFAT MILK SOLIDS, AND VEGETABLE STABILIZERS.
Claims use since Sept. 16, 1944.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

NOVEMBER 28, 1944

410,435. INTERNAL COMBUSTION AIRCRAFT ENGINES AND PARTS THEREOF, EXCLUSIVE OF IGNITION PARTS, PACKING, AND HOSE. AVIATION MANUFACTURING CORPORATION, New York, N. Y., assignor to The Aviation Corporation, Wilmington, Del., a corporation of Delaware.
Filed May 2, 1940. Serial No. 431,478. PUBLISHED JULY 29, 1941. Class 23.

410,436. BUTTER, CHEESE, AND EGGS. PACKING PRODUCTS COMPANY, New York, N. Y.
Filed February 1, 1941. Serial No. 440,209. PUBLISHED DECEMBER 28, 1943. Class 46.

410,437. NON-ALCOHOLIC BEVERAGES, SYRUPS, AND EXTRACTS, INCLUDING NON-CEREAL MALTLESS EXTRACTS AND NON-CEREAL MALTLESS SYRUPS FOR FLAVORING NON-CEREAL MALTLESS BEVERAGES SOLD AS SOFT DRINKS. WILLIAM J. BENEKOS, Chicago, Ill.
Filed June 12, 1941. Serial No. 444,435. PUBLISHED SEPTEMBER 19, 1944. Class 45.

410,438. CARBON PAPER AND TYPEWRITER RIBBONS. CODO MANUFACTURING CORP., Coraopolis, Pa., and Chicago, Ill.
Filed December 14, 1942. Serial No. 457,381. PUBLISHED JUNE 6, 1944. Class 11.

410,439. LACQUER COATED SHEET METAL. CONTINENTAL LITHOGRAPH CORPORATION, Cleveland, Ohio.
Filed January 2, 1943. Serial No. 457,720. PUBLISHED SEPTEMBER 12, 1944. Class 14.

410,440. ABRASIVE WHEELS, POINTS, AND CONES, MANUFACTURED OUT OF FLEXIBLE MATERIAL SUCH AS ABRASIVE GRIT, IMPREGNATED CLOTH, PAPER, FELT, AND RUBBER. FLEX-ABRASIVE COMPANY, Chicago, Ill.
Filed April 30, 1943. Serial No. 460,292. PUBLISHED SEPTEMBER 19, 1944. Class 4.

410,441. HOUSE ORGAN. UNIVERSAL CONCRETE PIPE COMPANY, Columbus, Ohio.
Filed June 12, 1943. Serial No. 461,353. PUBLISHED SEPTEMBER 19, 1944. Class 38.

410,442. WINES. ED. PHILLIPS & SONS CO., Minneapolis, Minn.
Filed June 30, 1943. Serial No. 461,771. PUBLISHED SEPTEMBER 19, 1944. Class 47.

410,443. GOLD AND SILVER POLISH. CLAIRE M. CABOT, doing business as Trident Manufacturing Co., New York, N. Y.
Filed July 13, 1943. Serial No. 462,044. PUBLISHED SEPTEMBER 19, 1944. Class 4.

410,444. CLEANSING AND POLISHING PREPARATIONS FOR FURNITURE. CLAIRE M. CABOT, doing business as Trident Manufacturing Co., New York, N. Y.
Filed July 13, 1943. Serial No. 462,045. PUBLISHED SEPTEMBER 19, 1944. Class 16.

410,445. COMBINED NON-FREEZING MIST PREVENTER AND CLEANER FOR GLASS. CLAIRE M. CABOT, doing business as Trident Manufacturing Co., New York, N. Y.
Filed July 13, 1943. Serial No. 462,046. PUBLISHED SEPTEMBER 19, 1944. Class 4.

410,446. ELECTRICAL INSULATING MATERIAL IN THE FORM OF SHEETS, ETC. ELECTRONIC MECHANICS, INC., Clifton, N. J.
Filed July 13, 1943. Serial No. 462,050. PUBLISHED SEPTEMBER 19, 1944. Class 21.

410,447. OLIVE OIL, GREEN OLIVES, RIPE OLIVES, CHOPPED OLIVES. CO-OPERATIVE OLIVE PRODUCTS ASSOCIATION, INC., Fresno, Calif., assignor to Copa Sales Company, Fresno, Calif., a corporation of California.
Filed July 26, 1943. Serial No. 462,305. PUBLISHED MARCH 28, 1944. Class 46.

410,448. AUTOMOBILE JACKS. AUTO SPECIALTIES MANUFACTURING COMPANY, St. Joseph, Mich.
Filed August 14, 1943. Serial No. 462,742. PUBLISHED SEPTEMBER 19, 1944. Class 23.

410,449. HOISTS, WINCHES, AND PARTS THEREOF. CHISHOLM-MOORE HOIST CORPORATION, Tonawanda, N. Y.
Filed November 5, 1943. Serial No. 464,745. PUBLISHED SEPTEMBER 19, 1944. Class 23.

410,450. PERMANENT MAGNET DYNAMIC TRANSDUCERS. PERMOFLUX CORPORATION, Chicago, Ill.
Filed November 12, 1943. Serial No. 464,951. PUBLISHED SEPTEMBER 19, 1944. Class 21.

410,451. VEGETABLE SEEDS. ASSOCIATED SEED GROWERS, INC., doing business as Jerome B. Rice Seed Co., New Haven, Conn.
Filed November 17, 1943. Serial No. 465,059. PUBLISHED SEPTEMBER 19, 1944. Class 1.

410,452. FLOWER SEEDS. ASSOCIATED SEED GROWERS, INC., doing business as Jerome B. Rice Seed Co., New Haven, Conn.
Filed November 17, 1943. Serial No. 465,060. PUBLISHED SEPTEMBER 19, 1944. Class 1.

410,453. TOOTH BRUSHES, HAIR BRUSHES, NAIL BRUSHES, BATH BRUSHES, COMPLEXION BRUSHES, AND CLOTHES BRUSHES. UNITED CIGAR-WHELAN STORES CORPORATION, New York, N. Y.
Filed November 17, 1943. Serial No. 465,089. PUBLISHED SEPTEMBER 19, 1944. Class 29.

410,454. COTTON APPLICATORS, ABSORBENT AND SURGICAL COTTON AND GAUZE BANDAGES. UNITED CIGAR-WHELAN STORES CORPORATION, New York, N. Y.
Filed November 17, 1943. Serial No. 465,091. PUBLISHED SEPTEMBER 19, 1944. Class 44.

410,455. HOT WATER BOTTLES, RUBBER SYRINGES FOR EAR, NOSE, AND VAGINAL USE, FOUNTAIN SYRINGES, COMBINATION HOT WATER BOTTLE AND FOUNTAIN SYRINGES. UNITED CIGAR-WHELAN STORES CORPORATION, New York, N. Y.
Filed November 17, 1943. Serial No. 465,092. PUBLISHED SEPTEMBER 19, 1944. Class 44.

410,456. PHARMACEUTICAL PREPARATION—NAMELY, A LACTIC ACID AND BORIC ACID JELLY IN A GLYCERITE OF STARCH BASE WHICH IS USED AS A VAGINAL PROPHYLACTIC. PHYSICIANS & HOSPITALS SUPPLY COMPANY, INC., doing business as La-Bo-Jel Laboratories, Minneapolis, Minn.
Filed December 6, 1943. Serial No. 465,561. PUBLISHED SEPTEMBER 12, 1944. Class 6.

410,457. HYDROCARBON MOTOR FUEL AND HYDROCARBON CONSTITUENT FOR MOTOR FUEL. SUN OIL COMPANY, Philadelphia, Pa.
Filed December 11, 1943. Serial No. 465,721. PUBLISHED SEPTEMBER 19, 1944. Class 15.

410,458. NEWSPAPER COLUMN. RAINSFORD J. WINSLOW, Denver, Colo.
Filed December 11, 1943. Serial No. 465,726. PUBLISHED SEPTEMBER 19, 1944. Class 38.

410,459. SCIENTIFIC BLEND OF GELATINIZED WHEAT FLOUR, SALT AND VEGETABLE LECTHINS USED AS A SHORTENING EXTENDER. FALK PRODUCTS CO., INC., Cadillac, Mich.
Filed December 16, 1943. Serial No. 465,797. PUBLISHED MAY 30, 1944. Class 46.

410,460. BLENDED FERMENT FOR BAKING CONTAINING LIVE YEAST, YEAST NUTRIENT, SALTS, CARBOHYDRATES, PROTEINS AND OTHER NATURAL ORGANIC YEAST NUTRIENTS. FALK PRODUCTS CO., INC., Cadillac, Mich.
Filed December 16, 1943. Serial No. 465,798. PUBLISHED FEBRUARY 15, 1944. Class 46.

410,461. SCIENTIFIC BLEND OF GELATINIZED WHEAT FLOUR, SALT AND VEGETABLE LECTHINS USED AS A SHORTENING EXTENDER. FALK PRODUCTS CO., INC., Cadillac, Mich.
Filed December 16, 1943. Serial No. 465,801. PUBLISHED MAY 30, 1944. Class 46.

410,462. FABRIC, UPHOLSTERY AND RUG CLEANER; CLEANER FOR VENETIAN BLIND TAPES AND CORDS, AND SPOT REMOVER. J N T MFG. COMPANY INC., New York, N. Y.
Filed December 29, 1943. Serial No. 466,165. PUBLISHED SEPTEMBER 19, 1944. Class 4.

410,463. PERMANENT MAGNET DYNAMIC TRANSDUCERS. PERMOFLUX CORPORATION, Chicago, Ill.
Filed January 20, 1944. Serial No. 466,740. PUBLISHED SEPTEMBER 19, 1944. Class 21.

410,464. ELECTRICAL HEARING AIDS AND PARTS THEREOF. ZENITH RADIO CORPORATION, Chicago, Ill.
Filed January 28, 1944. Serial No. 466,966. PUBLISHED SEPTEMBER 19, 1944. Class 44.

410,465. CLEANING AND POLISHING COMPOUND FOR CLEANING AND POLISHING THE FINISHED SURFACES OF FURNITURE, FLOORS, AUTOMOBILES, ETC., IN ONE OPERATION. FRANCIS W. BOYDE, doing business as F. W. Boydé Co., Philadelphia, Pa.
Filed February 3, 1944. Serial No. 467,121. PUBLISHED SEPTEMBER 12, 1944. Class 16.

410,466. GLASS BOOKENDS. NEW MARTINSVILLE GLASS COMPANY, New Martinsville, W. Va.; now by change of name Viking Glass Company.
Filed February 11, 1944. Serial No. 467,353. PUBLISHED SEPTEMBER 12, 1944. Class 32.

410,467. GLASS ARTICLES—NAMELY, FIGURINES, PLAQUES, AND STATUETTES. NEW MARTINSVILLE GLASS COMPANY, New Martinsville, W. Va.; now by change of name Viking Glass Company.
Filed February 11, 1944. Serial No. 467,355. PUBLISHED SEPTEMBER 12, 1944. Class 50.

410,468. SEDATIVES AND TONICS. PHYSICIANS' DRUG & SUPPLY CO., Philadelphia, Pa.
Filed March 10, 1944. Serial No. 468,155. PUBLISHED SEPTEMBER 12, 1944. Class 6.

410,469. DETERGENT PREPARATION IN POWDER FORM USED AS AN EMULSIFYING AGENT, AS A DISPERSING AGENT, AND AS A CLEANSER, AND IS USED PRINCIPALLY AS AN INGREDIENT IN OTHER MANUFACTURED PRODUCTS—NAMELY, SOAPS, PAINT CLEANERS AND THE LIKE. CHAS. J. LINDGREN, doing business as Tricosal Company, San Francisco and Los Angeles, Calif.
Filed March 13, 1944. Serial No. 468,264. PUBLISHED SEPTEMBER 19, 1944. Class 4.

410,470. BUSINESS, BOOKKEEPING, FILING, AND POSTING RECORD EQUIPMENT IN VISIBLE LOOSE LEAF FORM—NAMELY, LOOSE LEAF BOOKS AND BINDERS; BUSINESS, BOOKKEEPING, INDEX, AND RECORD FORMS, SHEETS AND CARDS; AND GUIDES, DIVIDERS, AND TABS THEREFOR. DIEBOLD, INCORPORATED, Canton, Ohio.
Filed March 15, 1944. Serial No. 468,320. PUBLISHED SEPTEMBER 19, 1944. Class 37.

410,471. ALL TYPES OF FLAT DIE HAMMERED, AND PRESSED, STEEL FORGINGS; HEAVY DUTY STEEL FORGINGS, CARBON FORGINGS, AND ALLOY FORGINGS MADE FROM BASIC ELECTRIC STEEL, ETC. NATIONAL FORGE AND ORDNANCE COMPANY, Irvine, Pa.
Filed March 22, 1944. Serial No. 468,533. PUBLISHED SEPTEMBER 12, 1944. Class 14.

410,472. PLASTIC COMPOSITION OF MATTER IN POWDERED, LIQUID, AND SOLID FORM. THE GLENN L. MARTIN COMPANY, Middle River, Md.
Filed March 25, 1944. Serial No. 468,677. PUBLISHED SEPTEMBER 19, 1944. Class 1.

410,473. CHEMICAL COMPOSITIONS FOR FLAMEPROOFING, FIREPROOFING, MILDEWPROOFING, AND MOISTUREPROOFING FABRICS, WOOD, AND OTHER MATERIALS, ETC. ROXALIN FLEXIBLE FINISHES, INC., Elizabeth, N. J.
Filed April 4, 1944. Serial No. 469,021. PUBLISHED SEPTEMBER 12, 1944. Class 6.

410,474. CANNED FOODS—NAMELY, VEGETABLES AND VEGETABLE JUICES. CHAS. B. SILVER & SON, Havre de Grace, Md.
Filed April 7, 1944. Serial No. 469,135. PUBLISHED SEPTEMBER 19, 1944. Class 46.

410,475. TITLE FOR A COLUMN IN A PERIODICAL PUBLISHED AT INTERVALS. STREET & SMITH PUBLICATIONS, INC., New York, N. Y.
Filed April 8, 1944. Serial No. 469,171. PUBLISHED SEPTEMBER 19, 1944. Class 38.

410,476. DEVICES FOR SPRAYING INSECTICIDES AND GARDEN SPRAY IN HOUSEHOLD, HORTICULTURAL, AND AGRICULTURAL INSECT CONTROL. THE AMERICAN SPECIALTY COMPANY, Amherst, Ohio.
Filed April 14, 1944. Serial No. 469,319. PUBLISHED SEPTEMBER 19, 1944. Class 23.

410,477. ADMIXTURE OF RUBBER AND COMMINUTED PARTICLES OF CORK IN THE FORM OF RESILIENT SHEETS, SAID SHEETS BEING USEFUL FOR FORMING ARTICLES THEREFROM SUCH AS BY SKIVING ORTHOPEDIC PADS FROM SAID SHEETS. BEN GOLDWARE, Omaha, Nebr.
Filed April 24, 1944. Serial No. 469,596. PUBLISHED JULY 4, 1944. Class 50.

410,478. PAINTS, ENAMELS, LACQUERS, AND VARNISHES. THE WILBUR & WILLIAMS COMPANY, Boston, Mass.
Filed April 28, 1944. Serial No. 469,800. PUBLISHED SEPTEMBER 19, 1944. Class 16.

410,479. NECKLACES, BRACELETS, NOT INCLUDING WATCHES, EARRINGS, JEWELRY CLIPS, BROOCHES, LOCKETS, ETC. CORO, INC., New York, N. Y.
Filed May 4, 1944. Serial No. 469,926. PUBLISHED SEPTEMBER 19, 1944. Class 28.

410,480. PERFUMES. MILTON B. GOLDBERG, Camden, N. J.
Filed May 8, 1944. Serial No. 470,029. PUBLISHED SEPTEMBER 12, 1944. Class 6.

410,481. SMOKING TOBACCO. WEBSTER EISENLOHR, INC., New York, N. Y.
Filed May 8, 1944. Serial No. 470,055. PUBLISHED SEPTEMBER 19, 1944. Class 17.

410,482. RADIO SHIELDING CONDUIT AND FITTINGS AND HIGH FREQUENCY TRANSMISSION CONDUIT. TITEFLEX, INC., Newark, N. J.
Filed May 11, 1944. Serial No. 470,159. PUBLISHED SEPTEMBER 19, 1944. Class 21.

410,483. METAL CONDUIT SHIELDING FOR IGNITION CONDUCTORS, ASSEMBLIES OF METAL CONDUIT SHIELDING WITH IGNITION CONDUCTORS AND TERMINALS, AND ATTACHMENTS THEREFOR, FOR USE WITH INTERNAL COMBUSTION ENGINES. TITEFLEX, INC., Newark, N. J.
Filed May 11, 1944. Serial No. 470,160. PUBLISHED SEPTEMBER 19, 1944. Class 21.

410,484. IGNITION SHIELDING HARNESSES AND PARTS USED FOR INTERNAL COMBUSTION ENGINES. TITEFLEX, INC., Newark, N. J.
Filed May 11, 1944. Serial No. 470,161. PUBLISHED SEPTEMBER 19, 1944. Class 21.

410,485. HANDBAGS. KIRRO IMPORTERS, New York, N. Y.
Filed May 12, 1944. Serial No. 470,199. PUBLISHED SEPTEMBER 19, 1944. Class 3.

410,486. DENTURE CLEANER. SAM AMENTA, doing business as Sam Amenta Specialties, Chicago, Ill.
Filed May 15, 1944. Serial No. 470,253. PUBLISHED SEPTEMBER 19, 1944. Class 4.

410,487. TOY AIRPLANES. THE J. L. SCHILLING COMPANY, New York, N. Y.
Filed May 17, 1944. Serial No. 470,354. PUBLISHED SEPTEMBER 19, 1944. Class 22.

410,488. SNOW PLOW. ROTO PLOW COMPANY, Mound, Minn.
Filed May 18, 1944. Serial No. 470,391. PUBLISHED SEPTEMBER 19, 1944. Class 23.

410,489. NON-ALCOHOLIC NON-CEREAL MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND SYRUPS AND EXTRACTS FOR MAKING THE SAME. MYER 1890 BOTTLING CO. INC., New York, N. Y.
Filed May 20, 1944. Serial No. 470,459. PUBLISHED SEPTEMBER 19, 1944. Class 45.

410,490. COMPOUNDED PETROLEUM WAX SUITABLE FOR USE AS A PRESERVATIVE COATING FOR FOOD PRODUCTS OR AS A COATING FOR FOOD PRODUCT PACKAGING MATERIALS. NATIONAL WAX COMPANY, Chicago, Ill.
Filed May 20, 1944. Serial No. 470,462. PUBLISHED SEPTEMBER 12, 1944. Class 6.

410,491. PERIODICAL PUBLICATION. THE OLSEN PUBLISHING CO., Milwaukee, Wis.
Filed May 20, 1944. Serial No. 470,464. PUBLISHED SEPTEMBER 5, 1944. Class 38.

410,492. PAPER BALERS. DANIEL H. STOREY, Wausau, Wis.
Filed May 20, 1944. Serial No. 470,470. PUBLISHED SEPTEMBER 19, 1944. Class 23.

410,493. FLUXING AND COATING MATERIALS FOR USE IN ARC WELDING. THE LINCOLN ELECTRIC COMPANY, Cleveland, Ohio.
Filed May 22, 1944. Serial No. 470,506. PUBLISHED AUGUST 22, 1944. Class 6.

410,494. YACHT BLOCKS, BULLET BLOCKS, SHACKLE BLOCKS, WIRE ROPE PULLEYS, SCREWEYE BLOCKS, ETC. DURKEE MARINE PRODUCTS CORPORATION, Grasmere, Staten Island, N. Y.
Filed May 24, 1944. Serial No. 470,565. PUBLISHED SEPTEMBER 19, 1944. Class 23.

410,495. CARTOONS. PUBLISHERS SYNDICATE, Chicago, Ill.
Filed May 26, 1944. Serial No. 470,673. PUBLISHED SEPTEMBER 19, 1944. Class 38.

410,496. CARTOONS. PUBLISHERS SYNDICATE, Chicago, Ill.
Filed May 26, 1944. Serial No. 470,674. PUBLISHED SEPTEMBER 19, 1944. Class 38.

410,497. MAGAZINE PUBLISHED PERIODICALLY. REWL PUBLICATIONS, INC., New York, N. Y.
Filed May 27, 1944. Serial No. 470,737. PUBLISHED SEPTEMBER 19, 1944. Class 38.

410,498. SAFETY RAZOR AND CONTAINER UNITS. DANIEL C. DILLON, JR., doing business as D. C. Dillon & Company, Irvington, N. J.
Filed May 29, 1944. Serial No. 470,784. PUBLISHED SEPTEMBER 19, 1944. Class 23.

410,499. PRINTED MATERIAL, SOLD AS SUCH—NAMELY, ANNOUNCEMENTS, BOOKS, BOOKLETS, CALENDARS, CATALOGUES, CARDS, CHARTS, CIRCULARS, MENUS, MAPS, PROGRAMS, PICTORIAL PRINTS, PAMPHLETS, ALL BEING PRINTED EITHER FROM TYPES, PLATES, BLOCKS OR STONES. THOMSEN-ELLIS-HUTTON CO., Baltimore, Md.
Filed May 31, 1944. Serial No. 470,825. PUBLISHED SEPTEMBER 19, 1944. Class 38.

410,500. TOILET SOAP IN LIQUID FORM. ANTISEPTOL COMPANY, INC., Chicago, Ill.
Filed June 3, 1944. Serial No. 470,876. PUBLISHED SEPTEMBER 19, 1944. Class 4.

410,501. PHONOGRAPH RECORDS. BRUNSWICK RADIO CORP., New York, N. Y.
Filed June 3, 1944. Serial No. 470,880. PUBLISHED SEPTEMBER 19, 1944. Class 36.

410,502. INTERNAL COMBUSTION ENGINES, AIR OR GAS COMPRESSORS, AND PARTS THEREOF. LE ROI COMPANY, West Allis, Wis.
Filed June 3, 1944. Serial No. 470,890. PUBLISHED SEPTEMBER 19, 1944. Class 23.

410,503. MARKET OPINIONS PUBLISHED WEEKLY AND AT OTHER INTERVALS. ARTHUR J. MESSING, New York, N. Y.
Filed June 8, 1944. Serial No. 471,043. PUBLISHED SEPTEMBER 19, 1944. Class 38.

410,504. MEDICINAL PREPARATION—NAMELY, A PITUITARY EXTRACT PUT UP IN DRY STERILE POWDER FORM USED IN THE STIMULATION THERAPY IN HYPOGONADISM FOR INTRAMUSCULAR USE. THE G. F. HARVEY COMPANY, Saratoga Springs, N. Y.
Filed June 9, 1944. Serial No. 471,082. PUBLISHED SEPTEMBER 12, 1944. Class 6.

410,505. COMBINED REFLECTOR AND ELECTRIC LAMP UNITS, ELECTRIC HEAD LAMPS FOR VEHICLES, FLASH LAMPS, ETC. TUNG-SOL LAMP WORKS, INC., Newark, N. J.
Filed June 12, 1944. Serial No. 471,173. PUBLISHED SEPTEMBER 19, 1944. Class 21.

410,506. NON-ALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND SYRUPS AND CONCENTRATES FROM WHICH SUCH SOFT DRINKS ARE MADE. CITRUS PRODUCTS COMPANY, Chicago, Ill.
Filed June 13, 1944. Serial No. 471,184. PUBLISHED AUGUST 29, 1944. Class 45.

410,507. ADHESIVE POLISHING WHEEL CEMENT. MICHIGAN BLEACH AND CHEMICAL COMPANY, Detroit, Mich.
Filed June 13, 1944. Serial No. 471,192. PUBLISHED SEPTEMBER 19, 1944. Class 5.

410,508. FRUIT FLAVORED SYRUPS FOR NONALCOHOLIC, MALTLESS BEVERAGES. S. C. CLAYTON CO., INC., Boston, Mass.
Filed June 15, 1944. Serial No. 471,243. PUBLISHED SEPTEMBER 12, 1944. Class 45.

410,509. POLYMERIZABLE SYNTHETIC RESIN-FORMING MATERIALS FOR USE IN CASTING, MOLDING, IMPREGNATING, LAMINATING AND LIKE PURPOSES. PITTSBURGH PLATE GLASS COMPANY, Pittsburgh, Pa.
Filed June 15, 1944. Serial No. 471,282. PUBLISHED AUGUST 29, 1944. Class 1.

410,510. CINEMATOGRAPHIC AND PHOTOGRAPHIC APPARATUS AND ACCESSORIES THERETO—NAMELY, PHOTOGRAPHIC CAMERAS AND PROJECTORS, ETC. JACQUES BOLSEY, New York, N. Y.
Filed June 16, 1944. Serial No. 471,300. PUBLISHED SEPTEMBER 19, 1944. Class 26.

410,511. TOOTH PASTE, MOUTH WASH, AND TOOTH POWDER. THE S. S. WHITE DENTAL MANUFACTURING COMPANY, Philadelphia, Pa.
Filed June 16, 1944. Serial No. 471,324. PUBLISHED SEPTEMBER 12, 1944. Class 6.

410,512. MAGAZINE ISSUED PERIODICALLY AND SPECIFICALLY A HOUSE ORGAN. DOMESTIC INDUSTRIES, INC., Chicago, Ill.
Filed June 19, 1944. Serial No. 471,389. PUBLISHED SEPTEMBER 19, 1944. Class 38.

410,513. BASE METAL OR COMPOSITION EMBLEMS AND INSIGNIA IN THE FORM OF BUTTONS, PINS, BADGES AND MEDALLIONS, AND NAME AND LABEL PLATES. GREEN DUCK METAL STAMPING COMPANY, Chicago, Ill.
Filed June 19, 1944. Serial No. 471,398. PUBLISHED SEPTEMBER 19, 1944. Class 50.

410,514. BASE METAL OR COMPOSITION EMBLEMS AND INSIGNIA IN THE FORM OF BUTTONS, PINS, BADGES AND MEDALLIONS, AND NAME AND LABEL PLATES. GREEN DUCK METAL STAMPING COMPANY, Chicago, Ill.
Filed June 19, 1944. Serial No. 471,399. PUBLISHED SEPTEMBER 19, 1944. Class 50.

410,515. MACHINES FOR TRIMMING THE UPPER BEAKS AND WING TIPS OF FOWL. LYON RURAL ELECTRIC COMPANY, San Diego, Calif.
Filed June 20, 1944. Serial No. 471,452. PUBLISHED SEPTEMBER 19, 1944. Class 44.

410,516. NEWSPAPER COLUMN. THE NEWARK MORNING LEDGER COMPANY, Newark, N. J.
Filed June 26, 1944. Serial No. 471,678. PUBLISHED SEPTEMBER 19, 1944. Class 38.

410,517. COMIC STRIP. PUBLISHERS SYNDICATE, Chicago, Ill.
Filed June 26, 1944. Serial No. 471,683. PUBLISHED SEPTEMBER 19, 1944. Class 38.

410,518. AROMATIC HYDROCARBON LIQUIDS FOR USE IN THINNING ENAMELS, LACQUERS, VARNISHES AND SIMILAR COATING COMPOSITIONS. THE NEVILLE COMPANY, Neville Island, Pa.
Filed June 28, 1944. Serial No. 471,750. PUBLISHED SEPTEMBER 19, 1944. Class 16.

410,519. HEAT RESISTANT LUBRICATING GREASE. CHEMOTEK MANUFACTURING COMPANY, Houston, Tex.
Filed July 6, 1944. Serial No. 471,939. PUBLISHED SEPTEMBER 19, 1944. Class 15.

410,520. ACID RESISTANT LUBRICATING GREASE. CHEMOTEK MANUFACTURING COMPANY, Houston, Tex.
Filed July 6, 1944. Serial No. 471,940. PUBLISHED SEPTEMBER 19, 1944. Class 15.

410,521. ALKALI RESISTANT LUBRICATING GREASE. CHEMOTEK MANUFACTURING COMPANY, Houston, Tex.
Filed July 6, 1944. Serial No. 471,941. PUBLISHED SEPTEMBER 19, 1944. Class 15.

410,522. NATURAL LILIES. VAUGHAN'S SEED STORE, Chicago, Ill.
Filed July 6, 1944. Serial No. 471,961. PUBLISHED SEPTEMBER 19, 1944. Class 1.

410,523. WHISKEY. AUSTIN, NICHOLS & CO., INCORPORATED, Brooklyn, N. Y.
Filed July 10, 1944. Serial No. 472,029. PUBLISHED SEPTEMBER 19, 1944. Class 49.

410,524. CRUDE COAL TAR. JOHN D. FARBER, doing business as Briggs Bituminous Composition Co., Philadelphia, Pa.
Filed July 10, 1944. Serial No. 472,051. PUBLISHED SEPTEMBER 19, 1944. Class 1.

410,525. LIQUID FLOOR DRESSING. HILLYARD CHEMICAL COMPANY, St. Joseph, Mo.
Filed July 10, 1944. Serial No. 472,058. PUBLISHED SEPTEMBER 12, 1944. Class 16.

410,526. COLUMN IN A PERIODICAL PUBLISHED AT INTERVALS. STREET & SMITH PUBLICATIONS, INC., New York, N. Y.
Filed July 12, 1944. Serial No. 472,161. PUBLISHED SEPTEMBER 19, 1944. Class 38.

410,527. HANGERS FOR ELECTRIC LIGHTING FIXTURES. DAY-BRITE LIGHTING, INC., St. Louis, Mo.
Filed July 13, 1944. Serial No. 472,185. PUBLISHED SEPTEMBER 19, 1944. Class 21.

410,528. READY-MIXED ENAMEL PAINTS. THE J. E. HARRIS COMPANY, Wooster, Ohio.
Filed July 13, 1944. Serial No. 472,205. PUBLISHED SEPTEMBER 19, 1944. Class 16.

410,529. WIRE COILS FOR ELECTRICAL APPARATUS. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa.
Filed July 18, 1944. Serial No. 472,373. PUBLISHED SEPTEMBER 19, 1944. Class 21.

410,530. WRITING INK, PRINTING INK, LITHOGRAPHING INK, AND DRIERS THEREFOR. NUODEX PRODUCTS CO., INC., Elizabeth, N. J.
Filed July 20, 1944. Serial No. 472,430. PUBLISHED SEPTEMBER 19, 1944. Class 11.

410,531. METAL POWDER FOR USE IN POWDER METALLURGY AND FOR GENERAL INDUSTRIAL PURPOSES. THE NEW JERSEY ZINC COMPANY, New York, N. Y.
Filed July 22, 1944. Serial No. 472,530. PUBLISHED SEPTEMBER 19, 1944. Class 14.

410,532. DISTILLERS DRIED GRAINS USED FOR POULTRY FOOD. SCHENLEY DISTILLERIES, INC., New York, N. Y.
Filed July 25, 1944. Serial No. 472,606. PUBLISHED SEPTEMBER 19, 1944. Class 46.

410,533. PAINT, VARNISH, ENAMEL, OR LACQUER REMOVER. WILSON-IMPERIAL COMPANY, Newark, N. J.
Filed September 15, 1944. Serial No. 474,261. Class 16.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

410,534. (CLASS 17. TOBACCO PRODUCTS.) PENNSTATE CIGAR CORPORATION, Philadelphia, Pa. Filed Feb. 7, 1940. Serial No. 428,328.

HILO

FOR CIGARS.
Claims use since April 1933.

410,535. (CLASS 37. PAPER AND STATIONERY.) AVON PRODUCTS, INC., New York, N. Y. Filed May 21, 1943. Serial No. 460,786.

AVON

FOR FACIAL TISSUES.
Claims use since September 1929.

410,536. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE SCHOLL MFG. CO. INC., Chicago, Ill. Filed June 14, 1943. Serial No. 461,388.

HALF-TWIST

FOR PROTECTIVE BANDAGE FOR CUTS, SCRATCHES, BLISTERS AND ABRASIONS ON FINGERS AND TOES.
Claims use since Apr. 8, 1943.

410,537. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WHITING MILK COMPANY, Charlestown, Mass. Filed Oct. 12, 1943. Serial No. 464,101.

FONTAINEBLEAU

FOR CHEESE.
Claims use since Sept. 27, 1943.

410,538. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) JOEL ALSHIN, doing business as The Diaperwite Company, New York, N. Y., assignor to Diaperwite, Inc., New York, N. Y., a corporation of New York. Filed Nov. 4, 1943. Serial No. 464,685.

Diaperwite

FOR WATER SOFTENING CLEANING PREPARATIONS.
Claims use since Sept. 28, 1943.

410,539. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SOPHIE C. CUBBISON, doing business as Cubbison's Food Products Co., Los Angeles, Calif. Filed Nov. 10, 1943. Serial No. 464,880.

Flavor-Well

FOR FOOD-SEASONING COMPOUND FOR MEATS, SOUPS, AND VEGETABLES, WHICH INCLUDES SALT, SPICES, HERBS, AND FLAVORING.
Claims use since Oct. 5, 1943.

410,540. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE DOW CHEMICAL COMPANY, Midland, Mich. Filed Nov. 26, 1943. Serial No. 465,317.

STRIPCOAT

FOR PLASTIC COMPOSITION FOR APPLICATION IN MOLTEN CONDITION TO METALLIC ARTICLES TO FORM A TEMPORARY PROTECTIVE COATING WHICH IS READILY REMOVABLE FROM THE ARTICLES PRIOR TO USE.
Claims use since Oct. 11, 1943.

410,541. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) J. ROSENHOLZ, INC., New York, N. Y. Filed Jan. 28, 1944. Serial No. 466,951.

CRISPI

FOR RAYON PIECE GOODS, COTTON PIECE GOODS AND COMBINATIONS OF THE SAME.
Claims use since June 1938.

410,542. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN H. MARBLE, Grandview, Wash. Filed Feb. 1, 1944. Serial No. 467,072.

TENDERGREEN

JOHN H. MARBLE

FOR FRESH VEGETABLES—NAMELY, FRESH ASPARAGUS.
Claims use since January 1939.

410,543. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) NATIONAL BATTERY COMPANY, St. Paul, Minn. Filed Apr. 3, 1944. Serial No. 468,964.

GOULD

FOR STORAGE BATTERIES.
Claims use since July 22, 1916.

410,544. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEIDEL CANNERIES, INC., Adell, Wis. Filed Apr. 28, 1944. Serial No. 469,757.

Golden GOODIES

FOR CANNED VEGETABLES.
Claims use since Nov. 17, 1942.

410,545. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) LAVO COMPANY OF AMERICA, Milwaukee, Wis. Filed May 2, 1944. Serial No. 469,873.



The drawing is lined for red and yellow.
FOR CLEANING PREPARATION WHICH IS DISSOLVED IN WATER AND USED FOR CLEANING MARBLE, TERRAZZO, AND COMPOSITION SURFACES.
Claims use since July 10, 1921.

410,546. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EL CAMINO CITRUS ASSOCIATION OF CLAREMONT, also doing business as El Camino Citrus Association, Claremont, Calif. Filed May 29, 1944. Serial No. 470,758.

CAPISTRANO

FOR FRESH CITRUS FRUITS.
Claims use since 1915.

410,547. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) STRONG, COBB AND COMPANY, INC., Cleveland, Ohio. Filed June 9, 1944. Serial No. 471,107.

CYSTO SEDATIVE

FOR ALTERATIVE TONIC-DIURETIC AND URINARY ANTISEPTIC COMPOSITION.
Claims use since Jan. 1, 1912.

410,548. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) LOUIS VAN DAMM, Orange, N. J. Filed July 20, 1944. Serial No. 472,442.

FABRIC SUEDE WAY

FOR SHOE CLEANER PREPARATIONS.
Claims use since July 1941.

410,549. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) I. SMALLMAN & SONS, Garfield, N. J., and New York, N. Y. Filed Aug. 23, 1944. Serial No. 473,548.



"WALLETTE" by Hidecraft

The drawing is lined for red.
FOR BILLFOLDS, WALLETS, KEY CASES, CARD-CASES, PASS CASES, AND CHANGE PURSES.
Claims use since January 1940.

TRADE-MARK REGISTRATIONS RENEWED

25,592. "STAGS HEAD" AND DRAWING. CAKES, BISCUITS, BREAD, AND CONFECTIONERY. Registered December 4, 1894. MC VITIE & PRICE, Edinburgh, Scotland. Re-renewed December 4, 1944, to Mc Vitie & Price, Limited, Edinburgh, Scotland, and London, England, a corporation of the United Kingdom of Great Britain and Northern Ireland, successor.

25,802. CUTAWAY. HARROWS, PLOWS, CULTIVATORS, HORSE-HOES, AND SEEDERS. Registered January 1, 1895. THE CUTAWAY HARROW COMPANY, Higganum, Conn. Re-renewed January 1, 1945, to Orkil, Incorporated, Hartford, Higganum, Conn., a corporation of Connecticut, assignee.

25,995. **KUDOS.** COCOA AND ALL KINDS OF CHOCOLATE. Registered February 5, 1895. BOVRIL, LIMITED, London, England, a corporation of the United Kingdom of Great Britain and Northern Ireland. Re-renewed February 5, 1945.

26,389. **"F. KEIL & SON N. Y." AND DRAWING.** LOCKS, HINGES, BELLS, DOOR OPENERS, AND OTHER HARDWARE USED IN THE CONSTRUCTION OF BUILDINGS AND VESSELS. Registered April 9, 1895. FRANCIS KEIL & SON. Re-renewed April 9, 1945, to Francis Keil & Son, Inc., New York, N. Y., a corporation of New York, successor.

174,651. **THE OBSERVATORY WATCH.** WATCHES. Registered October 23, 1923. A. WITTNAUER CO. Renewed October 23, 1943, to Longines-Wittnauer Watch Co. Inc., New York, N. Y., a corporation of New York, by change of name.

189,215. **LYDIA DARRAH.** CANDIES. Registered September 16, 1924. LYDIA DARRAH CANDY SHOPS, INC. Renewed September 16, 1944, to Henry Jung, Minneapolis, Minn., assignee by mesne assignments.

190,417. **THYMO BORINE.** MEDICINAL PREPARATION USED AS AN ASTRINGENT, DEODORANT, AND ANTISEPTIC LOTION. Registered October 14, 1924. JOHN MUCKERJEE, doing business as Thymo Borine Laboratory. Renewed October 14, 1944, to Thymo Borine Laboratory, Milwaukee, Wis., a corporation of Wisconsin, assignee.

190,650. **LIST EN, WORLD!** NEWSPAPER SECTION. Registered October 21, 1924. KING FEATURES SYNDICATE, INC. Renewed October 21, 1944, to The Hearst Corporation, New York, N. Y., a corporation of Delaware, by merger.

190,651. **THE NEWLY WEDS.** NEWSPAPER CARTOON. Registered October 21, 1924. KING FEATURES SYNDICATE, INC. Renewed October 21, 1944, to The Hearst Corporation, New York, N. Y., a corporation of Delaware, by merger.

190,655. **MEDITATIONS OF A MARRIED WOMAN.** NEWSPAPER SECTION. Registered October 21, 1924. KING FEATURES SYNDICATE, INC. Renewed October 21, 1944, to The Hearst Corporation, New York, N. Y., a corporation of Delaware, by merger.

190,664. **SAYINGS OF MRS. SOLOMON.** NEWSPAPER SECTION. Registered October 21, 1924. KING FEATURES SYNDICATE, INC. Renewed October 21, 1944, to The Hearst Corporation, New York, N. Y., a corporation of Delaware, by merger.

190,665. **SO THIS IS MARRIED LIFE.** NEWSPAPER CARTOON. Registered October 21, 1924. KING FEATURES SYNDICATE, INC. Renewed October 21, 1944, to The Hearst Corporation, New York, N. Y., a corporation of Delaware, by merger.

190,830. **SUPER-TAND.** LEATHERS. Registered October 28, 1924. MCNEELY COMPANY, Philadelphia, Pa. Renewed October 28, 1944, to Allied Kid Company, Boston, Mass., a corporation of Massachusetts, assignee.

191,604. **SINDANYO.** COMPOSITION CONSISTING PRINCIPALLY OF ASBESTOS FOR USE FOR ELECTRICAL INSULATION. Registered November 11, 1924. THE ASBESTOS & ELECTRICAL FITTINGS CO. LTD., London, England. Renewed November 11, 1944, to Turners Asbestos Cement Company Limited, Spotland, Rochdale, England, an organized company of Great Britain, assignee by mesne assignments.

191,831. **FLAV-O-LAC.** CULTURES FOR MAKING STARTER IN THE MANUFACTURE OF BUTTERMILK, BUTTER, SOUR CREAM, AND CHEESE. Registered November 18, 1924. THE DAIRY LABORATORIES, Philadelphia, Pa., a firm. Renewed November 18, 1944.

191,978. **"ICO PIONEER ISLAND CREEK" AND DESIGN.** COAL. Registered November 25, 1924. ISLAND CREEK COAL COMPANY, Portland, Maine, and Huntington, W. Va. Renewed November 25, 1944, to Island Creek Coal Company, Huntington, W. Va., a corporation of Maine.

192,920. **CULTIHO.** COMBINED HOES. Registered December 16, 1924. LILLY J. STAFFORD, Gowanda, N. Y. Renewed December 16, 1944.

194,008. **BUTTERFLY.** FIRE DOORS. Registered January 13, 1925. FRANKLIN RAILWAY SUPPLY COMPANY. Renewed January 13, 1945, to Franklin Railway Supply Company, Inc., New York, N. Y., a corporation of New York, assignee.

194,144. **"MARQUISE" AND DRAWING.** MANICURE SETS. Registered January 13, 1925. NORTHAM WARREN CORPORATION, New York, N. Y. Renewed January 13, 1945, to Northam Warren Corporation, Stamford, Conn., a corporation of New York.

194,336. **PROTEGEL.** SOLUBLE MILK PROTEIN IN POWDER FORM. Registered January 20, 1925. THE LABORATORY PRODUCTS COMPANY, Cleveland, Ohio. Renewed January 20, 1945, to S. M. A. Corporation, Jersey City, N. J., a corporation of New Jersey, assignee by mesne assignments.

194,413. **"BOSS" AND DRAWING.** GLOVES AND MITTENS OF LEATHER, FABRIC, AND A COMBINATION OF LEATHER AND FABRIC. Registered January 27, 1925. THE BOSS MANUFACTURING COMPANY, Kewanee, Ill., and Brooklyn, N. Y. Renewed January 27, 1945, to The Boss Manufacturing Company, Kewanee, Ill., a corporation of Illinois.

194,498. **SOVEREIGN BRAND.** CANNED SALMON. Registered January 27, 1925. COLUMBIA RIVER PACKERS ASSOCIATION. Renewed January 27, 1945, to Columbia River Packers Association, Inc., Astoria, Oreg., a corporation of Oregon, assignee.

194,720. **"SUPERB" AND DESIGN.** FISHING RODS AND REELS. Registered February 10, 1925. MONTAGUE CITY ROD CO., Montague City, Mass., Brooklyn, N. Y., and Amherst, Mass. Renewed February, 10, 1945, to Montague Rod and Reel Company, Montague City, Mass., a corporation of Massachusetts, by change of name.

194,833. **ELFRIDA.** BAY RUM, BATH CRYSTALS, COMPACT FACE POWDER, FACE POWDER, SKIN CREAM, COLD CREAM, HAIR CREAM, PERFUMES, BAY RUM AND CANTHARIDES, BRILLIANTINE, TOILET PARAFFIN, EMULSIFIED COCOANUT OIL SHAMPOO, HAIR TONIC, AND TOOTH PASTE. Registered February 10, 1925. W. B. CARTWRIGHT, LIMITED, Larkfield, Rawdon, near Leeds, England, a corporation of the United Kingdom of Great Britain and Northern Ireland. Renewed February 10, 1945.

195,401. **"MARQUISE" AND DRAWING.** CUTICLE REMOVERS, NAIL WHITE, NAIL POLISH IN CAKE AND LIQUID FORM. Registered February 24, 1925. NORTHAM WARREN CORPORATION, New York, N. Y. Renewed February 24, 1945, to Northam Warren Corporation, Stamford, Conn., a corporation of New York.

195,402. **MATTEVISTA.** FRESH AND DRIED FRUITS. Registered February 24, 1925. ANDREW MATTEI. Renewed February 24, 1945, to Alta Vineyards Company, Fresno, Calif., a corporation of Delaware, assignee.

195,832. **WHITE FROST.** WHEAT FLOUR AND CORN MEAL. Registered March 3, 1925. MCKENZIE MILLING CO., McKenzie, Tenn. Renewed March 3, 1945, to Model Mill Company, Inc., Jackson, Tenn., a corporation of Tennessee, assignee.

195,873. **DUOFOLD.** KNITTED UNDERWEAR FOR MEN, WOMEN, AND CHILDREN. Registered March 3, 1925. DUOFOLD HEALTH UNDERWEAR COMPANY. Renewed March 3, 1945, to Duofold Inc., Mohawk, N. Y., a corporation of New York, by change of name.

195,986. **HARTLEY'S.** JAMS, FRUIT PRESERVES, VEGETABLE PRESERVES, MINCEMEAT, MARMALADE, GINGER PRESERVES, CANDIED AND UNCANDIED PEELS, PICKLES, SAUCE PREPARED FROM FRUITS AND SPICES AND USED WITH MEATS, FISH, AND OTHER ARTICLES OF FOOD, AND JELLIES. Registered March 10, 1925. WM. P. HARTLEY (LONDON & AINTREE) LIMITED, Aintree, Liverpool, and London, England. Renewed March 10, 1945, to Wm. P. Hartley Limited, Aintree, Liverpool and London, England, an organized company of Great Britain, Northern Ireland and the Isle of Man, assignee.

196,013. **BROWNIE.** FISHING RODS AND REELS. Registered March 10, 1925. MONTAGUE CITY ROD CO., Montague City and Amherst, Mass., and Brooklyn, N. Y. Renewed March 10, 1945, to Montague Rod and Reel Company, Montague City, Mass., a corporation of Massachusetts, by change of name.

196,447. **COW BELL.** PLUG, TWIST, AND SMOKING TOBACCO. Registered March 17, 1925. CUMBERLAND TOBACCO WORKS, Nashville, Tenn., a corporation of Tennessee. Renewed March 17, 1945.

196,588. **THE NORTHWESTERN MILLER AND AMERICAN BAKER.** MONTHLY MAGAZINE. Registered March 24, 1925. THE MILLER PUBLISHING COMPANY, Minneapolis, Minn., a corporation of West Virginia. Renewed March 24, 1945.

196,641. **INDIA OIL STONE.** OILSTONES. Registered March 24, 1925. NORTON COMPANY, Worcester, Mass., a corporation of Massachusetts. Renewed March 24, 1945.

196,644. **WHAT NEXT?** BI-MONTHLY MAGAZINE. Registered March 24, 1925. DENNISON MANUFACTURING COMPANY, Framingham, Mass., a corporation of Massachusetts. Renewed March 24, 1945.

196,645. **THE INSIDE OF THE CASE.** QUARTERLY MAGAZINE. Registered March 24, 1925. DENNISON MANUFACTURING COMPANY, Framingham, Mass., a corporation of Massachusetts. Renewed March 24, 1945.

196,725. **NEVER DUST.** SWEEPING COMPOUND. Registered March 24, 1925. JNO. C. F. SNYDER & SONS. Renewed March 24, 1945, to Jno. C. F. Snyder & Sons, Inc., Philadelphia, Pa., a corporation of Pennsylvania, assignee.

196,741. **"WHITE SWAN" AND DRAWING.** CERTAIN NAMED CANNED, BOTTLED, AND PACKAGED FOOD PRODUCTS, AND SORGHUM, AND FRUIT JAM, FRUIT JELLY, FRUIT PRESERVES, PRESERVED FIGS, AND PEANUT BUTTER IN JARS AND GLASSES. Registered March 24, 1925. WAPLES-PLATTER GROCER CO. Renewed March 24, 1945, to Waples Platter Company, Fort Worth, Tex., a corporation of Texas, by change of name.

196,744. **UNITAL.** POWDERED SOAP FOR LAUNDRY AND TEXTILE PURPOSES. Registered March 24, 1925. H. KOHNSTAMM & CO., INC., New York, N. Y., a corporation of New York. Renewed March 24, 1945.

196,793. **"THE FOLDAWAY".** HATS AND CAPS FOR MEN AND BOYS. Registered March 31, 1925. THE CROFUT & KNAPP COMPANY, New York, N. Y. Renewed March 31, 1945, to Hat Corporation of America, Norwalk, Conn. a corporation of Delaware, assignee by mesne assignments.

196,795. **"OCEAN SPRAY" AND DESIGN.** CANNED CRANBERRIES. Registered March 31, 1925. THE UNITED CAPE COD CRANBERRY COMPANY, Boston and South Hanson, Mass. Renewed March 31, 1945, to Cranberry Canners, Inc., Hanson, Mass., a corporation of Delaware, assignee by mesne assignments.

196,857. **"MISSION BELL" AND DRAWING.** CANNED FRUITS AND CANNED VEGETABLES. Registered March 31, 1925. CUTLER-LOBINGIER PACKING COMPANY, Ontario, Calif. Renewed March 31, 1945, to Mel-Williams Company, San Francisco, Calif., a corporation of California, assignee by mesne assignments.

196,862. **KOLDSUDS.** SOAP. Registered March 31, 1925. H. KOHNSTAMM & CO., INC., New York, N. Y., a corporation of New York. Renewed March 31, 1945.

196,893. **RE GOBBO.** EDIBLE OILS—NAMELY, OLIVE OIL. Registered March 31, 1925. STROHMEYER & ARPE COMPANY, New York, N. Y., a corporation of New York. Renewed March 31, 1945.

196,895. **INFANTA.** TEXTILE BLANKETS. Registered March 31, 1925. THE ESMOND MILLS. Renewed March 31, 1945, to The Esmond Mills, Inc., Esmond, Smithfield, R. I., a corporation of Rhode Island, assignee.

196,911. **THE NORTHWESTERN MILLER.** WEEKLY MAGAZINE. Registered March 31, 1925. THE MILLER PUBLISHING COMPANY, Minneapolis, Minn., a corporation of West Virginia. Renewed March 31, 1945.

196,930. **"FAST KNIT" AND DRAWING.** YARN. Registered March 31, 1925. STEINBERGER BROS., INC., New York, N. Y., a corporation of New York. Renewed March 31, 1945.

196,978. **WEIDEMAN BOY.** CANNED FRUITS, CANNED VEGETABLES, COFFEE, TEA, TABLE SIRUP, CANDIES, PICKLES, FRUIT PRESERVES AND JELLIES, AND BREAKFAST COCOA. Registered April 7, 1925. THE WEIDEMAN COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed April 7, 1945.

196,989. **GULDEN'S.** MUSTARD AND SALAD DRESSING. Registered April 7, 1925. CHARLES GULDEN, INC., New York, N. Y., a corporation of New York. Renewed April 7, 1945.

197,002. **"RED PACKERS PACK" AND DRAWING.** CERTAIN NAMED PACKERS AND PACKER PARTS, PLUGS, SWABS, AND SWAB PARTS, AND DRIVE AND PACKER SHOES, AND LEAD BOTTOM-HOLE PACKING SHOES, SWAGED NIPPLES, BRUCE GAS SEPARATORS, TUBING GUIDES, AND SWAB REGULATORS. Registered April 7, 1925. ROBINSON PACKER COMPANY, Tulsa, Okla., a corporation of Oklahoma. Renewed April 7, 1945.

197,035. **OH! BOY.** TABLE SIRUP. Registered April 7, 1925. RODDENBERY BROTHERS, Cairo, Ga., a firm. Renewed April 7, 1945.

197,045. **TUSIDE.** KERCHIEFS AND HANDKERCHIEFS. Registered April 7, 1925. SOLOMON E. RAINS, doing business as S. E. Rains Company. Renewed April 7, 1945, to S. E. Rains Co. Inc., New York, N. Y., a corporation of Delaware, assignee.

197,338. **"BUTTONS" AND DRAWING.** CANDY. Registered April 14, 1925. HAWLEY & HOOPS, New York, N. Y., a firm, successor. Renewed April 14, 1945.

REISSUES

NOVEMBER 28, 1944

22,569

CONCAVE REINFORCED CONCRETE BEAM

Paul Abeles, London, England

Original No. 2,229,619, dated January 21, 1941, Serial No. 212,592, June 8, 1938. Application for reissue January 16, 1942, Serial No. 427,074. In Austria June 9, 1937

1 Claim. (Cl. 72—66)



A reinforced concrete beam for building construction centrifugally molded in half-tubular form with a substantially semi-cylindrical cavity and a relatively thin wall, a primary longitudinal reinforcement in that part of the beam which is required to undergo tensile stress, a secondary longitudinal reinforcement in that part of the beam which is not required to undergo tensile stress, and a transverse reinforcement in the beam, such transverse reinforcement being interconnected with the longitudinal reinforcement to form a rigid structure therewith and tensioned during the manufacture of the beam, said reinforced concrete beam having bricks fixed to the lower faces of the half-tubular structure during the manufacture of the beam, the space between the bricks being bridged by additional brick slabs.

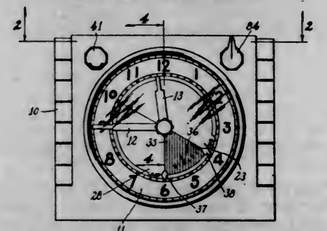
22,570

TIMER

Frederick Lux, Waterbury, Conn., assignor to The Lux Clock Manufacturing Company, Inc., Waterbury, Conn., a corporation of Connecticut

Original No. 2,300,950, dated November 3, 1942, Serial No. 380,465, February 25, 1941. Application for reissue May 29, 1944, Serial No. 537,831

18 Claims. (Cl. 161—1)



1. In a timer, a pair of rotatable disks each having a peripheral slot therein, means for manually rotating said disks to set each in a predetermined position, a power operated rotatable element, an arm carried by said element projecting toward said disks, means on the end of said arm adapted to enter said slots when in registration therewith and said means being yieldable outwardly to ride over the edges of said disks in one direction when the said means is not in registration with said slots, means mounting said element for axial movement, means urging said element axially toward said disks, and a controlling member actuated by the axial movements of said element.

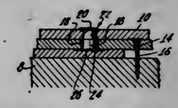
22,571

BUILDING CONSTRUCTION

William S. Miles, Hastings on Hudson, and Paul A. Voigt, Bellerose, N. Y., assignors to Johns-Manville Corporation, New York, N. Y., a corporation of New York

Original No. 2,351,993, dated June 20, 1944, Serial No. 431,518, February 19, 1942. Application for reissue September 2, 1944, Serial No. 552,464

2 Claims. (Cl. 108—9)



1. A construction comprising a plurality of relatively frangible covering elements including overlapping portions, aligned perforations in said overlapping portions, and a rivet of relatively soft metal of substantially the malleable characteristics of lead having a shank extending through said aligned perforations and substantially filling the same and heads lying on opposite faces of said overlapping portions, said overlapping portions being held in tight engagement by said heads and shanks.

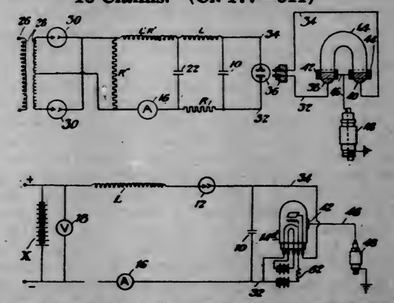
22,572

ELECTRIC FLASH PRODUCING METHOD AND APPARATUS

Benjamin Miller, Richmond Hill, N. Y., assignor, by mesne assignments, to Cities Service Oil Company, New York, N. Y., a corporation of Pennsylvania

Original No. 2,073,247, dated March 9, 1937, Serial No. 709,901, February 5, 1934. Application for reissue April 5, 1938, Serial No. 200,090

18 Claims. (Cl. 177—311)

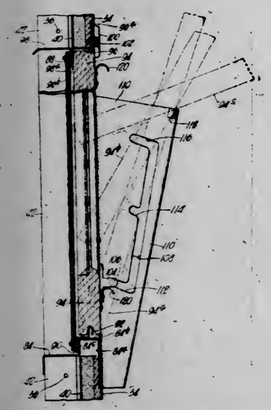


1. In apparatus for producing substantially uniform electrical energy flashes, a condenser, a source of energy for charging the condenser, means connected in series circuit with the energy source and with the condenser, said means comprising inductance and resistance of such magnitude relative to the capacity of the condenser that the charging circuit is an oscillating circuit which is so highly damped that the maximum potential to which the condenser is charged is not more than 4% higher than the potential of the energy source, and means for discharging the condenser at selected intervals.

PATENTS

GRANTED NOVEMBER 28, 1944

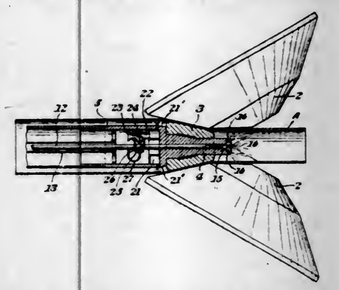
2,363,475
WINDOW FOR PREFABRICATED HOUSES
Claude I. Auten, Birmingham, Ala., assignor to Tennessee Coal, Iron and Railroad Company, a corporation of Tennessee
Original application May 3, 1943, Serial No. 485,486. Divided and this application May 11, 1943, Serial No. 486,571
3 Claims. (Cl. 20—42)



1. Prefabricated metal house construction comprising upright flanged wall supporting members, a metal window sill element secured to and spanning the space between a spaced pair of said members, a Z-shaped metal header secured to said members at about window height above said sill element, a window sash, upright Z-shaped sheet metal jambs coacting with the upright edges of said sash, means normally holding said sash in closed position, and means for positioning the sash in different angular open positions comprising pins secured to the sash, inwardly extended shield plates secured to said upright Z-shaped jambs and having upwardly and inwardly inclined slots therein, notches branching from said inclined slots at different elevations in which said pins are adapted to be seated, and a spacer bar spanning the space between and secured at its ends to said shield plates, the sash being adapted to be jointly supported on said pins and said spacer bar when in any of its adjusted open positions.

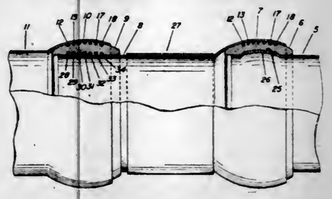
2,363,476
METHOD AND APPARATUS FOR MANUFACTURING SEAMLESS PIPES AND TUBES
Bryant Bannister, Mount Lebanon, Pa., assignor to National Tube Company, a corporation of New Jersey
Application April 8, 1942, Serial No. 438,190
8 Claims. (Cl. 80—13)

1. In a tube rolling mill having a pair of opposed metal-working rolls which are adapted to helically advance a workpiece over an interiorly disposed mandrel to reduce the wall thickness thereof, a mandrel bar, a mandrel plug arranged on the outer end of said mandrel bar, and means arranged on the inner side of said plug for delivering a fluid into the interior of the workpiece on that side of said plug so as to provide pressure within the workpiece immediately on the inner side of said plug of an amount sufficient



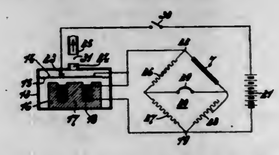
to prevent air from contacting the interior surface of the workpiece at this point thereby preventing oxidation by air of said surface while the workpiece cools immediately after working the same.

2,363,477
BALL AND SOCKET JOINT ASSEMBLY
Giles E. Barton, San Diego, Calif., assignor to The Ryan Aeronautical Co., San Diego, Calif., a corporation of California
Application January 20, 1943, Serial No. 472,944
3 Claims. (Cl. 285—92)



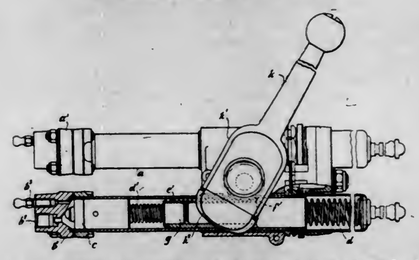
1. A pair of pipe sections for the conduction of gases, and a universal joint connection between said sections, said connection comprising an annulus of exterior spherical contour, one end portion of one of said pipe sections being of spherical contour and snugly slidably embracing said annulus, one end portion of the other pipe section being snugly engaged with said annulus interiorly thereof, said annulus having therein a series of channels disposed in side to side relationship to each other and extending therearound and opening through the exterior face thereof to receive gas which may leak from said pipe sections between the exterior face of said annulus and the interior face of the embracing end portion of said first-mentioned pipe section, said channels being constantly free of solid sealing matter so as at all times to accommodate successively any escaping gas and to permit the gas to expand therein.

2,363,478
METHOD AND DEVICE FOR DETECTING TRACES OF FOREIGN GASES, VAPORS, OR MISTS IN THE ATMOSPHERE
Jan Boeke, Eindhoven, Netherlands; vested in the Alien Property Custodian
Application January 15, 1941, Serial No. 374,583
In the Netherlands December 23, 1939
4 Claims. (Cl. 23—232)



1. A method of detecting physiologically-toxic gases, vapors, mists and the like contaminating an atmosphere, by means of a catalyst capable of being deactivated by said contaminations, comprising mixing with said atmosphere a gaseous fluid capable of thermally reacting with the atmosphere in the presence of the catalyst, passing the so-formed mixture over the surface of the catalyst, and detecting any change in activity of the catalyst as an indication of the presence of said contamination in the atmosphere.

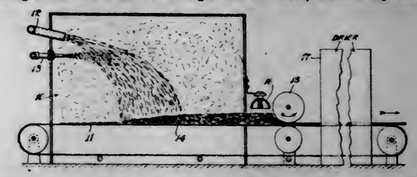
2,363,479
REMOTE CONTROL SYSTEM
Francis Victor Brown, Birmingham, England
Application January 12, 1943, Serial No. 472,120
In Great Britain January 22, 1942
10 Claims. (Cl. 60—54.5)



3. In a remote control system of the closed circuit type comprising outward and return transmission leads from and to the master control, the combination of spring loaded sliding members in connection with respective leads, rack and pinion gears in driving connection with respective members, eccentrics in driving connection with respective gears and simultaneously but oppositely revoluble about a common axis during compensating movements by said members, a rectilineal guide, and strap devices formed as sliders encircling said eccentrics and slidable in said guide.

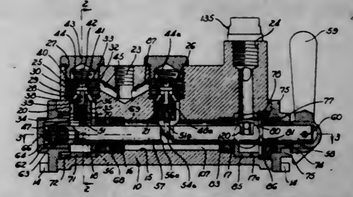
2,363,480
FORMING FIBROUS FELTS
Robert N. Brownlee, Cloquet, Minn., assignor to Wood Conversion Company, Cloquet, Minn., a corporation of Delaware
Application August 10, 1942, Serial No. 454,280
7 Claims. (Cl. 154—33)

6. The method of forming a fiber blanket which comprises depositing substantially individualized vegetable fibers carrying liquid to render the fibers adhesive into a thick pile in the form of a mat while employing an impact of each fiber on already deposited fibers which impact is substantially that of the fiber falling in air, whereby the fibers at the surface of the mat are poorly felted into the body of the mat and while being adhesive are readily removable vertically from said mat by any contacting member to which the wet and adhesive fibers may adhere, and reducing the thickness of said mat by compressing the said mat while contacting and compressing the upper surface thereof with compressing means to which said liquid-carrying fibers tend normally to adhere, said compression increasing the interfelting of all the fibers in the resulting compressed mat compared to the uncompressed mat, whereby as to



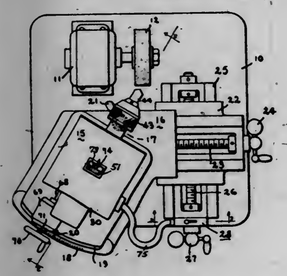
the surface fibers of the compressed mat in contact with the compressing means there is a conflict of forces, one force being that of adhesion of the fibers to the compressing means and the other being that combination of adhesion of fiber to fiber with interfelting into the mat, and prior to said compression drying the surface only of said mat at least in part to render the surface fibers of the said compressed mat in effect non-adhesive to said compressing means, while also retaining liquid adhesive on the fibers on the interior of the mat, then removing said compression means thereby providing a mat of thickness reduced by reason of said compression, and drying the resulting mat.

2,363,481
FOUR-WAY SELECTOR VALVE
Rodney B. Campbell, North Hollywood, Calif., assignor to John Eley, Jr., Los Angeles, Calif.
Original application April 26, 1940, Serial No. 331,822, now Patent No. 2,302,663, dated November 24, 1942. Divided and this application October 23, 1942, Serial No. 463,302
11 Claims. (Cl. 277—20)



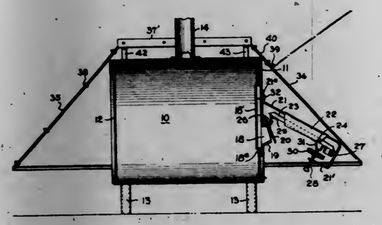
1. In a valve device, the combination of: a housing having a bore therethrough; a control rod extending into said bore; bearing means for closing each end of said bore and supporting said control rod, one end of said control rod extending through said bearing means; packing means between said control rod and said bore and surrounding said control rod, said packing means dividing said bore into a first chamber, a second chamber, and third chamber; first valve means communicating with said first chamber; second valve means communicating with said second chamber; third valve means communicating with said third chamber; means operatively connecting each of said valve means with said control rod whereby rotation of said control rod will selectively open said valve means; and means for rotating said control rod.

2,363,482
TWIST DRILL GRINDER
Edmund O. Clarke, Jacksonville, Fla.
Application October 3, 1942, Serial No. 460,613
7 Claims. (Cl. 51—219)



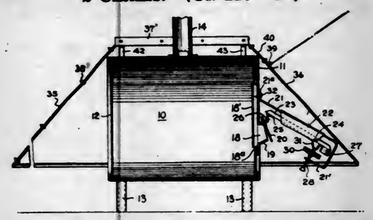
3. A drill pointing apparatus including in combination, a rotatable and reciprocable spindle having mechanism for holding a drill to be ground, means forming a universal joint for pivotally supporting said spindle intermediate the ends thereof, a mechanism for moving the spindle axially, a second mechanism for moving the end of the spindle opposite to that which receives the drill in a determined path of travel at a downwardly declining angle whereby to move a drill point extending from the spindle upon an upwardly inclined angle, and mechanism for simultaneously operating said first two mentioned mechanisms concomitantly with rotation of said spindle to cause a drill carried by said spindle to advance toward a grinding member and transversely traverse the grinding member with a constantly changing upwardly inclined angle between the axis of the spindle and the axis of the grinding member while simultaneously being rotated to continuously change the clearance angle on the lip of the drill carried by said spindle.

2,363,483
BROODER
Stephen M. Crider, Criders, Va.
Application September 15, 1942, Serial No. 458,414
3 Claims. (Cl. 236—6)



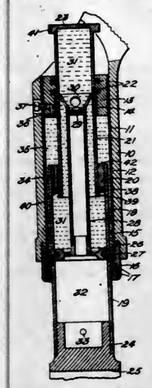
3. In a brooder, a stove having a draft opening, a damper for controlling the draft through said opening, an arm detachably connected to the stove and projecting downwardly and outwardly over said damper, a lever pivotally suspended from said arm, the inner end of said lever being connected to said damper and the outer end of said lever being provided with a weight, a thermostatic disc interposed between the outer end of said arm and the weighted end of said lever, and means for adjusting said disc with respect to said lever.

2,363,484
BROODER
Stephen M. Crider, Criders, Va.
Original application September 15, 1942, Serial No. 458,414. Divided and this application July 10, 1943, Serial No. 494,238
2 Claims. (Cl. 119—32)



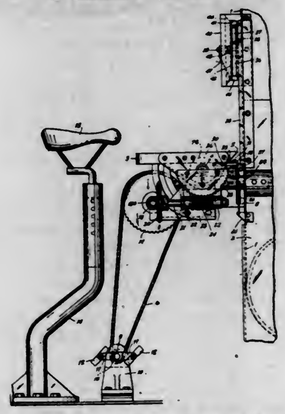
1. A brooder comprising a substantially cylindrical stove member disposed with its axis in substantially horizontal position, a hover member on the stove member, means for mounting the hover member on the upper surface of the stove member comprising rest brackets between the inner side of the hover member and the upper surface of the stove member and engaging said stove member, said rest brackets being attached to one of said members and each being of angular formation with its free ends projecting from said one of the members toward the other whereby the brackets constitute spacing elements for supporting the hover member from the stove member in spaced relation.

2,363,485
TELESCOPIC SHOCK ABSORBER
Cyril Robert Down, Leamington Spa, England, assignor to Automotive Products Company Limited, Leamington Spa, England
Application August 2, 1943, Serial No. 497,088
In Great Britain March 30, 1942
10 Claims. (Cl. 267—64)



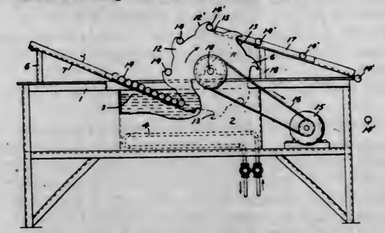
1. A telescopic shock absorber having a hollow plunger which contains damping liquid and is slidably mounted within one end of a cylinder, wherein said plunger is formed with a portion of reduced cross-sectional area extending slidably through the opposite end of the cylinder to form a cylinder space opening only to the inside of the plunger, the cylinder space surrounding the reduced portion of the plunger containing damping liquid and being connected through flow restricting means with the interior of the plunger, and means for maintaining pressure on the liquid.

2,363,486
ABRADING MACHINE
Charles Warren Drake, Kirkwood, Mo., assignor to McDonnell Aircraft Corporation, St. Louis, Mo., a corporation of Maryland
Application April 3, 1943, Serial No. 481,668
3 Claims. (Cl. 51—143)



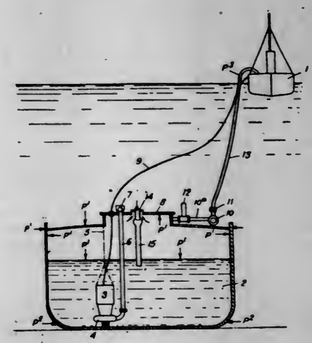
1. A beveling machine comprising a vertically moving abrading belt, a table mounted for tilting movement on a horizontal axis disposed substantially parallel with the working face of said belt, foot controlled means for tilting said table on said axis including a pedal actuated shaft, a shaft driven thereby, and a worm and worm gear connection between said last mentioned shaft and said table, and means for indicating the angular position of said table, said indicating means including a rotary dial responsive to the tilting movement of said table and a stationary pointer cooperating with said dial.

2,363,487
COATING APPARATUS
Andrew T. Anderson, Dover, N. J.
Application June 29, 1942, Serial No. 449,017
3 Claims. (Cl. 91—46)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



2. A coating machine comprising a table, a coating bath on said table, an inclined runway with its lowermost end in said bath, longitudinal slots in said runway including the portion in the bath, a shaft mounted for rotation on said table, wheels on said shaft, said wheels being integrated for simultaneous movement, teeth on the periphery of said wheels positioned to sweep the said slots and having a face formed to receive an article of circular section, said teeth being angularly spaced so that a succeeding tooth is in position in a slot to receive an article when the lowermost article has been lifted by the preceding tooth to clear the line of articles on the runway, said wheel and teeth and runway being so positioned relative to each other that the line of articles on the runway is reversed in motion while in the bath against the action of gravity as the lowermost article is raised, means to rotate the wheel and an inclined runway with its upper portion positioned to receive articles from each tooth at its highest position during rotation of the wheel.

2,363,488
MEANS FOR RAISING OR LIFTING SUNKEN OR PARTIALLY SUNKEN VESSELS
Reginald Frank Bartlett, Weybridge, England
Application March 26, 1942, Serial No. 436,372
In Great Britain January 1, 1940
7 Claims. (Cl. 114—50)

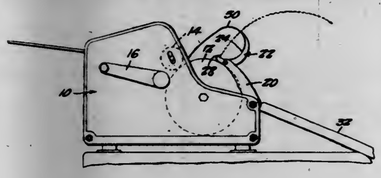


1. A method of lifting a submerged vessel which comprises forming a substantially air and water-tight compartment therein, removing the water contained in such compartment by pumping, admitting compressed gas to the space voided by the water controlling the supply of gas automatically in such a manner that throughout the operation the internal pressure balances the external hydrostatic pressure on the weakest part of the compartment, maintaining a balance of pressure between the admitted gas and the water by releasing excess of air pressure arising from any cause, and flooding in the event of the internal pressure falling out of balance.

2,363,489
COATED FLATTING AGENT AND PROCESS FOR MAKING THE SAME
László Auer, East Orange, N. J., assignor to Interchemical Corporation, New York, N. Y., a corporation of Ohio
No Drawing. Application August 14, 1941, Serial No. 406,927
7 Claims. (Cl. 106—173)

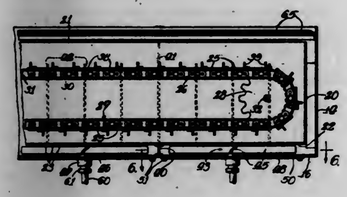
1. A new composition of matter useful as a flatting agent which is substantially transparent in conventional lacquer and varnish films, which comprises pigment size particles of a soap of a metal of the class consisting of aluminium, zinc, magnesium and the alkaline earth metals, and rosin which has been modified by chemical reaction to increase its melting point while leaving its carboxyl group free to form soaps, coated with a film deposited from an aqueous solution of a water soluble colloidal organic film forming agent which is insoluble in liquid hydrocarbons.

2,363,490
REVERSING ATTACHMENT FOR DUPLICATING MACHINES
Gordon Campbell Avery, Washington, D. C.
Application April 18, 1942, Serial No. 439,568
6 Claims. (Cl. 101—132)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



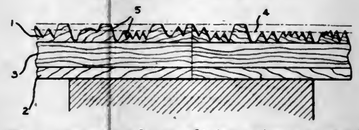
1. In a duplicating machine, the combination of an impression sheet supporting drum, an impression roller coacting with the drum, a curved barrier located in the path of copy sheets emerging from between the drum and the impression roller for bending the copy sheets back upon themselves, and an abutment associated with said curved barrier engageable with the forward edges of the copy sheets to cause the latter to bow upwardly and invert as they emerge from the machine.

2,363,491
COMMERCIAL WASHER
Edwin Bagnall, Chicago, Ill.
Application December 26, 1941, Serial No. 424,411
8 Claims. (Cl. 141—1)



7. A washer comprising an elongated outer tank having bottom, end and side walls, an elongated inner tank having side walls and a perforate bottom wall, said inner tank being undivided so as to permit operation therewithin of a conveyor and, in width at least, being smaller than said outer tank to be received in the outer tank with the bottom wall spaced from the bottom wall of the outer tank and with the side walls of the tanks in spaced relation to form fluid conducting passages, a plurality of partitions extending transversely of said outer tank in the space between the bottom walls and spaced longitudinally of said outer tank to divide the space into a plurality of impeller chambers, vertically disposed members extending upwardly from the top edge of each partition at each end thereof in the space between the side walls of said tanks, an impeller in each chamber operable when rotating to draw fluid into the impeller chamber through the perforations in the bottom wall of said inner tank and discharge fluid upwardly through the space between the side walls of the tanks, and means for driving said impellers.

2,363,492
PROCESS OF MAKING BALANCED LAMINATED PANELS
William C. Bailey, Seattle, Wash., assignor to United States Plywood Corporation, Seattle, Wash., a corporation of New York
Original application June 27, 1941, Serial No. 400,115. Divided and this application March 6, 1942, Serial No. 433,624
5 Claims. (Cl. 144—309)



1. The process of equalizing stresses and thus preventing edge-curling in plywood panels of the type that is grooved longitudinally of the grain over one face ply, comprising laying up the panel with face plies having their grain extending in the same direction, said plies being initially of different thickness, and forming closely spaced grooves in the thicker of such face plies lengthwise of its grain over a sufficient width and to a depth sufficient to reduce its average thickness to substantially equal that of the thinner face ply, to equalize the stresses in the grooved ply, transversely of its grain, with similar stresses in the opposite thinner but ungrooved face ply.

2,363,493
PHOTOGRAPHIC PROCESSES AND COMPOSITIONS
Walter D. Baldsiefen, Metuchen, N. J., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 13, 1941, Serial No. 397,967
17 Claims. (Cl. 95—6)

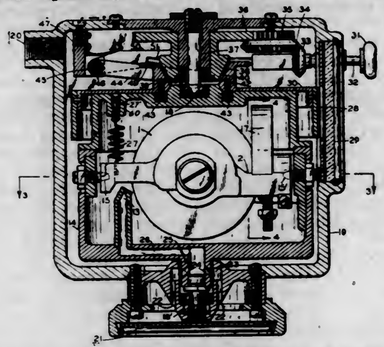
1. The process which comprises developing a photographic element containing a reducible silver salt image in the presence of an organic amide having at least one radical taken from the group consisting of methylol and lower alkoxymethyl radicals directly attached to an amide nitrogen atom.

2,363,494
RECOVERY OF GLYCERIN
George Washington Batchelder, Gibbstown, and Ralph Francis Peterson, Woodbury, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application May 16, 1939, Serial No. 273,894
2 Claims. (Cl. 260—637)

1. A method of recovering glycerin from fermentation slops, which comprises mixing therewith a volatile solvent for glycerin at least partly miscible with water and possessing low solubility for the solid material present, maintaining the water content of said slops and added solvent between 2 and 5 times the weight of the solids present in the slops, permitting separation into two flowable layers, and recovering glycerin from the top layer.

2,363,495
DIRECTIONAL GYROSCOPE
Mortimer F. Bates, Brooklyn, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application January 2, 1941, Serial No. 372,757
4 Claims. (Cl. 74—5)

1. In a directional gyroscope having an air spun rotor and rotor bearing frame, a closed casing in which said frame is mounted for oscillation about a horizontal axis, means mounting said casing for freedom about a vertical axis, means for introducing a jet of air into said casing for spinning the rotor, a pair of oppositely



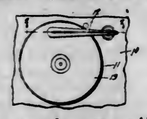
directed ports in said casing for discharging the used air, and a shutter on said frame for differentially closing and opening said ports upon relative tilt of said frame and casing, whereby tilt of the frame is prevented.

2,363,496
PIG IRON AND PROCESS FOR MAKING SAME
Glenn A. Beaumont, Buffalo, N. Y., assignor to The Hanna Furnace Corporation
Application July 22, 1941, Serial No. 403,485
8 Claims. (Cl. 75—50)



1. In the process of making fine grain pig iron, the steps of smelting iron bearing materials to produce molten pig iron, holding the iron in a molten body for a time interval sufficient to cool the molten body about 200° to 400° F. and down to a temperature of approximately 2400° F., transferring the molten iron from one container to another during said interval, and pouring the molten iron into pigs while at said temperature, the temperature of the molten pig iron becoming lower from the tapping until said pouring.

2,363,497
SOUND REPRODUCING DEVICE
Semi Joseph Begun, Cleveland, Ohio, assignor to The Brush Development Company, Cleveland, Ohio, a corporation of Ohio
Application July 31, 1941, Serial No. 404,773
18 Claims. (Cl. 179—100.41)



1. In a pickup arm for use with a record having an undulatory groove, piezo-electric transducer means for converting a motion into an electromotive force, a stylus in engagement with said record and subject to motions from said undulatory groove, driving means directly connecting said stylus only to said transducer and free from engagement with any other means and adapted to transmit said stylus motions to said transducer, said driving means providing a bias between said transducer means and said stylus to couple said stylus to said record groove to cause said stylus to follow said undulatory groove substantially at all times.

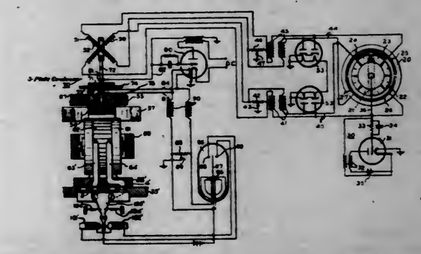
2,363,498
MANUFACTURE OF PRECIPITATED CATALYSTS
Robert E. Burk and Everett C. Hughes, Cleveland Heights, Ohio, assignors to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application December 26, 1939, Serial No. 311,008
11 Claims. (Cl. 252—254)

8. A process of making a precipitated catalyst suitable for use in the catalytic treatment of hydrocarbons and formed of chromium and aluminum oxides, which comprises reacting a chromic salt with an alkali aluminate in solution in the presence of an acetate ion, separating the resulting precipitate, and drying the same.

2,363,499
NONAQUEOUS DRILLING FLUID
William E. Campbell, Jr., Taft, Calif., assignor to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware
No Drawing. Application May 5, 1941, Serial No. 391,959
9 Claims. (Cl. 252—8.5)

1. A nonaqueous drilling fluid comprising a mineral oil base, a finely powdered weighting material, and a finely divided sedimentation inhibitor for said weighting material selected from the group consisting of preferentially water-wettable siliceous materials and capable of imparting thioxotropic properties to said fluid, said sedimentation inhibitor having a specific surface of over 15,000 sq. cm. per cc.

2,363,500
GYRO MAGNETIC COMPASS SYSTEM
Leslie F. Carter, Leonia, N. J., and Francis West, Jr., Roslyn, N. Y., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application November 6, 1941, Serial No. 418,032
11 Claims. (Cl. 33—222)



1. In a gyro magnetic or slave gyro system, an air spun directional gyro, a pair of spaced jets for spinning the rotor of said gyro and adapted to normally exert equal and opposite torques about the axis on which the rotor is supported comprising jet directing elements, air supplying means for the directing elements, a tubular member having separate channels therein communi-

cating with each of the directing elements and including a plurality of passageways for each of the channels, a movable plate member having a plurality of blocking pieces thereon normally situated in an ineffective position with regard to the passageways in said tubular member, and circuit controlling means including a pair of solenoids selectively energized to move said plate member to a respective position in which the blocking pieces thereof block all of the plural passageways leading to a corresponding channel and thereby control the supply of air to said jet directing elements.

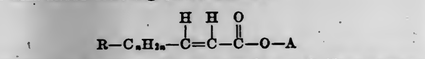
2,363,501

ESTERS OF UNSATURATED ACIDS

Gerald H. Coleman and Wesley D. Schroeder, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application June 21, 1941, Serial No. 399,211
4 Claims. (Cl. 260—468)

1. An ester having the formula



wherein R represents a member of the group consisting of cyclohexyl, chloro-cyclohexyl, cyclohexyl-cyclohexyl, and alkyl-cyclohexyl radicals, A represents an aromatic radical, and n is an integer.

2,363,502

METHOD OF AND APPARATUS FOR MAKING AND RE-CREATING RECORDS

Lee A. Collins, Louisville, Ky.

Application December 31, 1941, Serial No. 425,217
7 Claims. (Cl. 178—5.6)



1. The method of producing a sound record on record material by means of a radiating beam simultaneously with the recording of an image on the record material which comprises, maintaining said record at rest, modulating said beam in accordance with sound impulses and causing said beam to register said modulations on said record material in a series of lines substantially parallel on said material, and simultaneously registering images on said record material.

2,363,503

CONFECTION STICK

Sol Decker, Chicago, Ill., assignor to Setter Bros. Inc., Cattaraugus, N. Y., a corporation of New York

Application December 21, 1939, Serial No. 310,382
2 Claims. (Cl. 99—138)

1. A substantially solid and homogeneous rod-like body for supporting in an upright position a confection externally mounted thereon, said body consisting wholly of a single rolled up sheet of paper of a width as great as the length of the body and tightly wound upon itself in a plurality of continuous overlying convolutions, the inner convolutions being unbonded to one another whereby the resistance to deformation of the interior of the body is substantially equal only to the aggregate strength of the unbonded convolutions plus their mutual re-enforcement and whereby when broken, to present a relatively soft interior, and an adhesive bond uniting only a few of the outer convolutions whereby to form a relatively thin, hard, absorption resistant, cylindrical outer shell normally holding the inner convolutions in tightly wound condition, the resistance of which to deformation is greater than of a corresponding number of unbonded convolutions but which, when buckled under the force of impact greater than the force resulting normally from use with automatic machinery for installing a confection thereon, but less than that encountered in falling or the like accident by the consumer of the confection, releases the inner convolutions whereby to render the body readily bendable and breakable about the point of buckling.

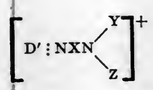
2,363,504

PROCESS FOR BREAKING PETROLEUM EMULSIONS

Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Application October 26, 1942, Serial No. 463,438
5 Claims. (Cl. 252—336)

1. A process for breaking petroleum emulsions of the water-in-oil type, characterized by subjecting the emulsion to the action of a demulsifying agent comprising a compound consisting of the salt of an amido pyridinium base; said amido pyridinium base salt being obtained from an alkylated naphthalene sulfonic acid in which at least one alkyl group substituted in the naphthalene nucleus contains at least 3 carbon atoms and not more than 10 carbon atoms; and the amido pyridinium base cation being of the following formula:



in which D′⋮N represents a radical derived from a heterocyclic compound of the pyridine series, consisting of pyridine, quinoline, isoquinoline, and C-methyl linked homologues thereof; and X is a divalent aliphatic radical; and Y is a member of the class consisting of acyl radicals, hydrocarbon radicals having not over 22 carbon atoms, alkylol radicals, hydroxylated aliphatic ether radicals, acylated alkylol radicals, and acylated hydroxylated aliphatic ether radicals; Z is a member of the class consisting of hydrogen atoms, acyl radicals, hydrocarbon radicals having not over 22 carbon atoms, alkylol radicals, acylated alkylol radicals, hydroxylated aliphatic ether radicals, and acylated hydroxylated aliphatic ether radicals; with the added proviso that there must be an acyl radical directly linked to the trivalent nitrogen atom; and there must be present at least one hydrocarbon radical containing at least 8 and not more than 32 carbon atoms as an integral part of at least one of the radicals linked to the trivalent nitrogen atom.

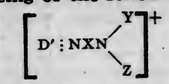
2,363,505

PROCESS FOR BREAKING PETROLEUM EMULSIONS

Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Application October 26, 1942, Serial No. 463,439
5 Claims. (Cl. 252—334)

1. A process for breaking petroleum emulsions of the water-in-oil type, characterized by subjecting the emulsion to the action of a demulsifying agent containing the salt of an amido pyridinium base; said amido pyridinium base salt being obtained from an oil-insoluble green petroleum sulfonic acid; and the amido pyridinium base cation being of the following formula:



in which D′⋮N represents a radical derived from a heterocyclic compound of the pyridine series, consisting of pyridine, quinoline, isoquinoline, and C-methyl linked homologues thereof; and X is a divalent aliphatic radical; and Y is a member of the class consisting of acyl radicals, hydrocarbon radicals having not over 22 carbon atoms, alkylol radicals, hydroxylated aliphatic ether radicals, acylated alkylol radicals, and acylated hydroxylated aliphatic ether radicals; Z is a member of the class consisting of hydrogen atoms, acyl radicals, hydrocarbon radicals having not over 22 carbon atoms, alkylol radicals, acylated alkylol radicals, hydroxylated aliphatic ether radicals, and acylated hydroxylated aliphatic ether radicals; with the added proviso that there must be an acyl radical directly linked to the trivalent nitrogen atom; and there must be present at least one hydrocarbon radical containing at least 8 and not more than 32 carbon atoms as an integral part of at least one of the radicals linked to the trivalent nitrogen atom.

2,363,506

PROCESS FOR BREAKING PETROLEUM EMULSIONS

Melvin De Groote, University City, Bernhard Keiser, Webster Groves, and Arthur F. Wirtel, Kirkwood, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Application October 26, 1942, Serial No. 463,440
6 Claims. (Cl. 252—340)

1. A process for breaking petroleum emulsions of the water-in-oil type, characterized by subjecting the emulsion to the action of an ester derived by reaction between a reactive polybasic carboxy acid compound and a member of the class consisting of a drastically-oxidized, hydroxyacetylated ricinoleic acid compound, a hydroxyacetylated, drastically-oxidized ricinoleic acid compound, and a hydroxyacetylated, drastically-oxidized, dehydrated ricinoleic acid compound.

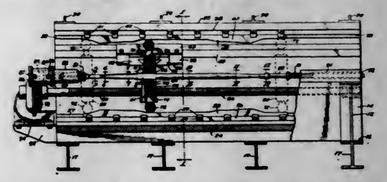
2,363,507

MACHINE AND METHOD FOR INDENTING TUBING

Clarence L. Dewey, Elkhart, Ind.

Application December 30, 1942, Serial No. 470,594
14 Claims. (Cl. 153—70)

1. In a machine of the class described the combination of a frame, means for supporting a length of tubing longitudinally of the frame, a die carrying member and means for moving said member and the tubing longitudinally with relation to one another, a plurality of slides carried by said member and movable radially toward and from the axis of the tubing and in angularly spaced relation to one another to concurrently compress different sides of the wall of the tubing, a rubbing die carried by each of the slides and each die comprising a group of closely spaced relatively thin, non-rotating die blades presenting their acting inner edges transversely across the wall of the tubing and in opposed relation to companion groups, and means for regulating the inner and outer movements of the slides concurrently with the relative movement of the die blades and the tubing to indent the tube wall conformably to the intended pattern.



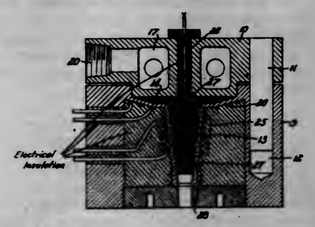
12. The method of indenting a plurality of laterally disposed faces of a curvedly sectioned length of tubing which consists in subjecting each of said faces to radially directed rubbing compressive contact applied to each said face wall of the tubing in a group of closely spaced pressure lines extending transversely across the face of the tubing, and in severally adjusting in independently regulated degree the application of said groups of pressure lines at progressively varying distances from the tube axis, and in concurrently longitudinally moving the pressure applying agency and the tubing with respect to each other and thereby subjecting the respective faces of the tube wall to the degree of indenting required in producing the intended pattern.

2,363,508

MOLDING RUBBER ARTICLES

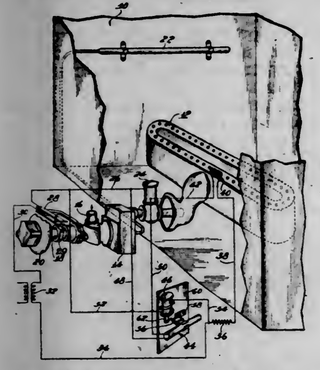
Howard G. Doster, Wadsworth, and Robert H. Hanlon, Sharon Center, Ohio, assignors to The Ohio Injector Company, Wadsworth, Ohio, a corporation of Ohio

Application July 23, 1940, Serial No. 347,056
4 Claims. (Cl. 18—53)



1. The method of producing a rubber inflation valve element including a stem and a base flange, which includes the steps of filling a mold with vulcanizable rubber compound, and controlling the relative curing of the stem and base flange by differential application of heat thereto to effect a substantially complete cure of the stem while maintaining the face of the base flange uncured.

2,363,509
IGNITION SYSTEM
Samuel G. Eskin, Pittsburgh, Pa., assignor to Robertshaw Thermostat Company, Youngwood, Pa., a corporation of Pennsylvania
Application October 18, 1940, Serial No. 361,739
13 Claims. (Cl. 175—115)



1. An electric ignition device for fuel burners comprising in combination, an electrically operated valve for controlling the flow of fuel to said burner, an electric igniter adjacent the burner for igniting said fuel, means for energizing said igniter and valve, and automatic time delay means for shunting said valve, said time delay means being adapted to delay opening said valve until the igniter reaches igniting temperature and to be reset for such delayed opening immediately upon deenergization of said energizing means.

2,363,510
COMPOUNDED OIL
Bruce B. Farrington and James O. Clayton, Berkeley, and Dorr H. Etzler, Albany, Calif., assignors to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware
No Drawing. Application September 15, 1942, Serial No. 458,450
20 Claims. (Cl. 252—39)

1. A composition of matter, comprising a major proportion of a hydrocarbon oil and a small amount, sufficient to stabilize the oil, of an oil-soluble polyvalent metal alkyl carboxylate substituted on an alpha, beta or gamma alkyl carbon atom with respect to a metal alkyl carboxylate group by a substituent containing an element of group VB of the periodic table, said element being directly connected to the said alkyl carbon atom.

2,363,511
COMPOUNDED OIL
Bruce B. Farrington and James O. Clayton, Berkeley, and Dorr H. Etzler, Albany, Calif., assignors to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware
No Drawing. Application September 15, 1942, Serial No. 458,451
18 Claims. (Cl. 252—39)

1. A composition of matter, comprising a major proportion of hydrocarbon oil and a small amount, not less than about 0.1% by weight based on finished oil, of a polyvalent metal alkyl carboxylate substituted on an alpha, beta or gamma alkyl carbon atom with respect to a metal alkyl carboxylate group by a substituent containing at least two dissimilar elements selected from the group consisting of nitrogen, sulfur and oxygen.

2,363,512
COMPOUNDED OIL
Bruce B. Farrington and James O. Clayton, Berkeley, and Dorr H. Etzler, Albany, Calif., assignors to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware
No Drawing. Application September 15, 1942, Serial No. 458,453
19 Claims. (Cl. 252—39)

1. A composition of matter, comprising a major proportion of a hydrocarbon oil and a small amount, not less than about .1% by weight based on finished oil, of a metal alkyl carboxylate, substituted on an alpha, beta or gamma alkyl carbon atom with respect to a metal alkyl carboxylate group by a substituent containing at least one element of the group consisting of metals and metalloids and at least one element of the group consisting of oxygen and sulfur.

2,363,513
LUBRICATING COMPOSITION AND THE LIKE
Bruce B. Farrington and James O. Clayton, Berkeley, and Dorr H. Etzler, Albany, Calif., assignors to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware
No Drawing. Application September 15, 1942, Serial No. 458,454
21 Claims. (Cl. 252—32)

1. A composition of matter, comprising a major proportion of hydrocarbon oil and a small amount each not less than about .1% by weight based on finished oil of a metal salt of an alkyl carboxylic acid and an ester of an hydroxy substituted aliphatic carboxylic acid, said metal salt of an alkyl carboxylic acid having a polar substituent attached to an aliphatic carbon atom near enough to a metal alkyl carboxylate group to reduce substantially the corrosive tendency of said metal salt in the absence of said polar substituent toward bearing alloys of the type represented by copper-lead and cadmium-silver bearing alloys.

2,363,514
LUBRICATING OILS AND THE LIKE
Bruce B. Farrington and James O. Clayton, Berkeley, and Dorr H. Etzler, Albany, Calif., assignors to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware
No Drawing. Application December 3, 1942, Serial No. 467,778
19 Claims. (Cl. 252—39)

1. A liquid hydrocarbon oil of the lubricating class, normally tending to deteriorate at operating temperatures encountered in the operation of internal combustion engines, containing dissolved in the oil a small amount, sufficient to retard said deterioration, of a metal salt of an aliphatic carboxylic acid, said metal salt carrying, on an aliphatic carbon atom not more than about two carbon atoms removed from a metal carboxylate group, a substituent selected from the class consisting of the free carboxyl group, the free dithiocarboxyl group, and neutralized carboxyl and dithiocarboxyl groups.

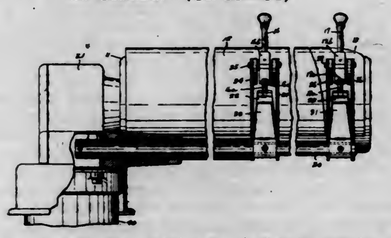
2,363,515
HYDROCARBON OILS
Bruce B. Farrington and James O. Clayton, Berkeley, and Dorr H. Etzler, Albany, Calif., assignors to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware
No Drawing. Application December 3, 1942, Serial No. 467,779
21 Claims. (Cl. 252—53)

1. A liquid hydrocarbon oil of the lubricating class, normally tending to deteriorate at operating temperatures encountered in the lubrication of internor combustion engines, containing a small amount, sufficient to retard the said deterioration, of a metal salt of an aliphatic polycarboxylic acid substituted on an aliphatic carbon atom not more than about three carbon atoms removed from a salt-forming carboxyl group by a substituent selected from the class consisting of ether and keto substituents and the sulfur, selenium and tellurium analogues of said ether and keto substituents.

2,363,516
COMPOUNDED HYDROCARBON OILS
Bruce B. Farrington and James O. Clayton, Berkeley, and Dorr H. Etzler, Albany, Calif., assignors to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware
No Drawing. Application December 3, 1942, Serial No. 467,780
5 Claims. (Cl. 252—39)

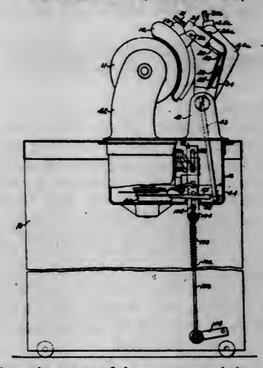
1. A liquid hydrocarbon lubricating oil normally tending to deteriorate and to form carbonaceous deposits on pistons at temperatures encountered in the operation of internal combustion engines, containing a small amount, sufficient to inhibit said deterioration and deposition, of a metal salt of an alkylated phenol, and a small amount, sufficient to inhibit said deterioration and deposition and to inhibit the tendency of said salt of phenol to corrode alloy bearings of the copper-lead and cadmium-silver types, of a metal salt of an aliphatic polycarboxylic acid having as a substituent on an aliphatic carbon atom other than the carbon atom of a carboxyl group, an oil-solubilizing essentially hydrocarbon group of not less than 10 carbon atoms.

2,363,517
DOMESTIC APPLIANCE
Donald K. Ferris, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application June 30, 1939, Serial No. 282,228
29 Claims. (Cl. 38—54)



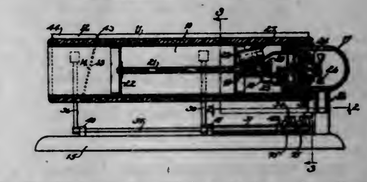
1. An ironer comprising a padded member, a unitary rock shaft adjacent to said padded member, a first support on said rock shaft, a first shoe on said support, a second support on said shaft, a second shoe on said second support, and controls for causing at least one of said shoes to come into working contact, or to remain out of working contact, with said padded member when said rock shaft rocks said supports toward said padded member.

2,363,518
DOMESTIC APPLIANCE
Donald K. Ferris, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application November 30, 1940, Serial No. 367,989
10 Claims. (Cl. 38—54)



1. An ironing machine, comprising a rotatable ironing member, a shoe ironing member, a motor, a transmission between said motor, shoe ironing member and rotatable member and having means to drive rotatably said rotatable ironing member and to bring said members together, a single manipulator, connections between said manipulator, motor and transmission effective in one position to render said rotatable member stationary, in another position to rotate said rotatable member at a first speed and to bring together said ironing members, in another position of said manipulator to rotate said rotatable ironing member at a second speed, with said ironing members together, and in another position to cause said ironing members to be together with said rotatable ironing member in a stationary condition.

2,363,519
DOMESTIC APPLIANCE
Donald K. Ferris, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application August 14, 1941, Serial No. 406,882
11 Claims. (Cl. 38—54)



10. An ironer comprising, a long ironing shoe, a short ironing shoe, a rotatable ironing member adapted to carry work to the front of and under said shoes, means for rotating said rotatable member, means deriving its power solely from physical effort of the operator for moving said short shoe alone or both of said shoes and said

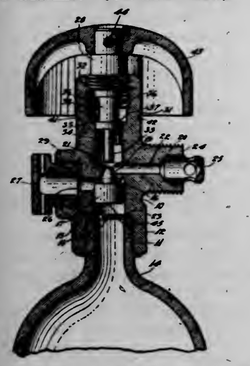
rotatable member together, said long shoe being substantially shorter than said rotatable ironing member, both shoes being aligned in the direction of the axis of said rotatable ironing member, and said two shoes being not longer than the rotatable ironing member.

2,363,520
COMBINATION CLEANING TOOL
Stanley W. Fish, Springfield, Mass.
Application July 16, 1942, Serial No. 451,206
3 Claims. (Cl. 287—58)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



2. In a collapsible tool having a tubular body and a working member slidably mounted therein, the improvement comprising a spring clip secured to said body, a plunger secured to said clip and arranged to be insertable through a hole in said body, an enlarged portion on the inserted end of said plunger, said clip constructed to resiliently hold said plunger in an inserted off-center position in said hole, whereby said enlarged portion overlaps a portion of the inside wall of said body adjacent said hole, and a plurality of recesses spaced along the length of said working member and constructed to be engaged by the inserted end of said plunger.

2,363,521
VALVE DEVICE
Harry C. Grant, Jr., New York, N. Y., assignor to Specialties Development Corporation, Bloomfield, N. J., a corporation of New Jersey
Application September 25, 1942, Serial No. 459,627
10 Claims. (Cl. 251—140)

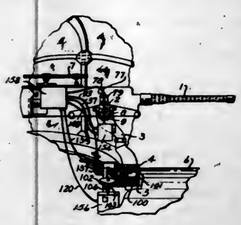


1. For use with the neck portion of a fluid pressure medium container, a valve device for controlling the release of high pressure fluid media, comprising a valve body having an inlet passage having a recess adapted for securement to a container, an outlet passage, and a valve chamber within said inlet passage; a valve seat facing said valve chamber and formed in said outlet passage; a seat type check valve reciprocally movable in said valve chamber adapted to seat in the direction of the escaping fluid pressure medium; an apertured sealing washer in said recess of the inlet passage adapted to be engaged by the neck portion and to seal therewith and adapted to retain said valve in said valve chamber; a recessed portion on said valve body; a member for unseating said check valve threadedly mounted for reciprocal movement in said recessed portion extending outside said valve body and having a pin portion for operatively engaging said check valve but normally out of contact therewith; and a manually engageable operating member secured to said unseating member.

2,363,522
FURNACE REFRACTORY AND PROCESS OF MAKING
Arthur F. Greaves-Walker and Robert L. Stone, Raleigh, N. C., assignors of one-sixth to Arthur B. Foster and one-sixth to Oscar Codier, both of Washington, D. C., two-sixths to said Greaves-Walker and two-sixths to said Stone
No Drawing. Application December 24, 1941, Serial No. 424,358
13 Claims. (Cl. 106—68)

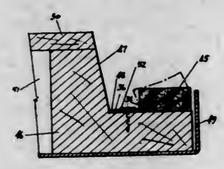
1. A non-vitrified refractory brick composed essentially of a burned shaped mass of pyrophyllite and refractory clay bonding agent, which mass is free from any such amounts of alkali metal compounds and alkaline earth metal compounds as would cause vitrification of said bricks upon heating to cone 28, such refractory containing a substantial proportion of the pyrophyllite in the form of particles coarser than 30 mesh, and the amount of the pyrophyllite being several times greater than the amount of the clay, such refractory brick being suitable as linings in high temperature furnaces, and having a P. C. E. value not below cone 28.

2,363,523
AUTOMATICALLY COMPENSATING GUN SIGHT
Louis W. Greenblatt, Jr., and Guy T. Bixby, Dayton, Ohio
Application September 5, 1941, Serial No. 409,704
7 Claims. (Cl. 33—49)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In combination with a gun mount and a universally mounted gun thereon, adjustable sighting means therefor, and means operatively associated with said gun, mount, and sighting means for constantly predicting the future position of a moving target, means angularly adjusting the sighting means relatively to the gun to maintain said gun aimed to hit said future position, including centrifugal tachometer means operable by relative movement between the gun and its mount for calculating the relative speed of said target with respect to said gun mount, and supplemental means operable by relative movement between the gun and its mount, and connected to said sighting means for adjusting said sighting means to compensate for the ballistic deviation of the projectile.

2,363,524
GASKET CONSTRUCTION
August W. L. Hartbauer, Chicago, Ill.
Application March 24, 1941, Serial No. 384,917
5 Claims. (Cl. 20—69)



1. In a gasket, the combination of a core of resilient material, metal reinforcement, L-shaped in cross section, one leg lying against a side edge of said core and the other leg extending substantially parallel to and in a plane with one face of said core, and fabric enclosing said core and reinforcement and adhesively secured to the parallel leg of said reinforcement.

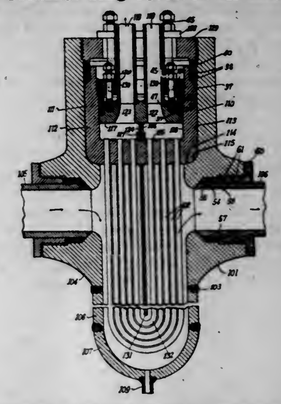
2,363,525
THERMAL CONTROL DEVICE
Frank R. Higley, Cleveland Heights, and Julius Converse, East Cleveland, Ohio, assignors to The Bryant Heater Company, Cleveland, Ohio, a corporation of Ohio
Application December 24, 1941, Serial No. 424,284
10 Claims. (Cl. 158—117.1)



1. In a device of the character described, a pilot tube constituting a laterally flexing thermal element of the compensated type, said tube being fixed at its inlet end only and being closed at its free end, and having an exit port in its side wall the flame from which is adapted to heat the tube on one side and cause flexure thereof, and means for utilizing said flexure to operate a control.

2,363,526
HEAT EXCHANGER
James C. Hobbs, Painesville, Ohio
Application July 31, 1940, Serial No. 348,839
6 Claims. (Cl. 257—224)

3. In a heat exchanger, a pressure vessel, a bundle of tubes having inflow and outflow connections with said vessel, said vessel having an opening providing access to said tubes and means for closing said opening including a cover disposed within and substantially filling said opening, means forming compartments within said vessel including a diaphragm separating said inflow and outflow connections, said diaphragm extending substantially centrally across said vessel between opposite walls thereof, said cover providing one of said walls, means including passages through said cover for admitting fluid under pressure to one of said compartments and for discharging said fluid from another, said passages having inlet portions disposed more nearly adjacent the central portion of said cover than the peripheral limits of said cover and tube connections, said passages having their inner ends flared eccentrically toward the periphery of said tube connections, means for circumferentially sealing said cover to said vessel including a retainer ring received in said opening

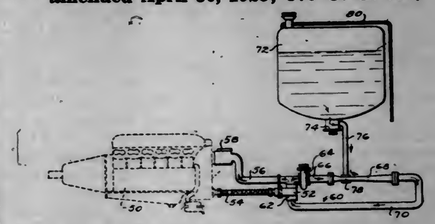


for transmitting thrust due to internal pressure on said cover to the wall of said vessel, and inlet and outlet connections for said passages extending through the central opening in said retainer ring.

2,363,527
PURIFICATION OF BUTADIENE
Lee H. Horsley and Howard S. Nutting, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application October 31, 1941, Serial No. 417,313
5 Claims. (Cl. 183—115)

1. The method of separating alpha-acetylenes from hydrocarbon mixtures containing the same in admixture with conjugated diolefines, each having less than 6 carbon atoms in the molecule, which comprises scrubbing the hydrocarbon mixture at a temperature below 150° C. with a volume of water sufficient substantially to dissolve the alpha-acetylenes, and separating the residual hydrocarbons from the aqueous extract.

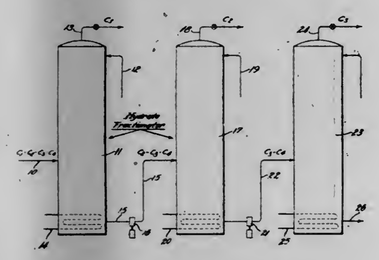
2,363,528
FLUID SYSTEM PRESSURE BOOSTER
Julius Hulman and Bernard Beaman, Dayton, Ohio
Original application August 6, 1941, Serial No. 405,673. Divided and this application September 4, 1942, Serial No. 457,300
3 Claims. (Cl. 103—5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a fluid system, a pump, means containing a continuous pressure tight passageway con-

necting the suction and discharge sides of said pump, a pressure responsive means in said passageway dividing it into a high pressure region between the pressure responsive means and the discharge side, and a low pressure region between the pressure responsive means and the suction side, a venturi included in the circuit in the low pressure region, a receptacle, and a single conduit extending from the receptacle and connecting it to the throat of the venturi.

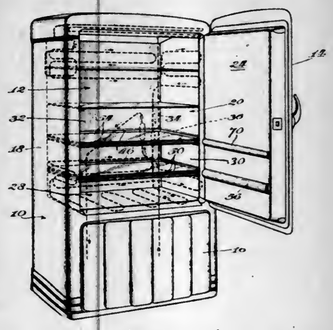
2,363,529
FRACTIONATION OF HYDRATE-FORMING HYDROCARBONS
Arthur J. L. Hutchinson, Los Angeles, Calif., assignor to The Fluor Corporation, Ltd., Los Angeles, Calif., a corporation of California
Application May 6, 1941, Serial No. 392,186
12 Claims. (Cl. 260—676)



1. The process of fractionating hydrate-forming components of a gaseous mixture, that includes contacting the gas with water in a hydrate-forming zone maintained under temperature and pressure conditions at which said components are converted into their relatively low vapor pressure hydrates, passing the hydrates from said zone into a second zone maintained under temperature and pressure conditions causing partial dissociation of the hydrates, and removing the resulting gas from said second zone and from the components remaining in hydrated form.

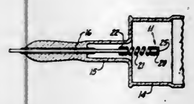
2,363,530
REFRIGERATOR
George K. Iwashita, Indianapolis, Ind., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application September 29, 1942, Serial No. 460,099
8 Claims. (Cl. 62—89)

1. In a refrigerator, a cabinet providing a food space, a sheet metal liner for said food space, an impervious shelf dividing said food space into separate zones, said shelf being comprised of a plurality of spaced apart glass sheets, shelf supporting means formed of material of low heat conductivity arranged to engage the edges of said sheets on three sides, said liner being interrupted mechanically to form a slot, means connecting the edges of said liner on each side of said slot to said supporting means, the portions of the liner on opposite sides of said slot thus being isolated thermally from each other but mechanically connected, a refrigerant coil located upon and in heat conducting relation to said liner, said coil being disposed upon one surface of said liner, partially upon one side of said slot and partially upon the other side of said slot, a door for said refrigerator, and means associated with said door adapted to seal the space between said glass



sheets at the fourth edges of said sheets and to seal one of said zones from the other when said door is closed.

2,363,531
ELECTRIC DISCHARGE DEVICE AND ELECTRODE THEREFOR
Lyman B. Johnson, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York
Application November 27, 1941, Serial No. 420,638
8 Claims. (Cl. 176—122)

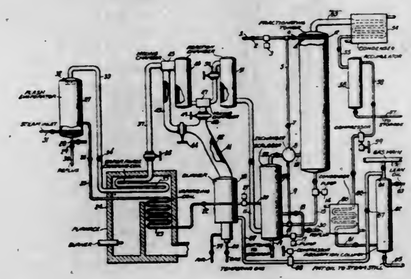


1. An electric discharge device of the high-pressure type comprising a radiation-transmitting envelope containing vaporizable and ionizable metal and starting gas, together with co-operating widely spaced electrodes in said envelope which are provided with current lead connections from its exterior, and one of which, functioning alternately as anode and as cathode, is an unactivated stubby compact refractory metal body presenting to the discharge a solid center and a blunt arcing end throughout which the high heat from the discharge is distributed by the compactly concentrated metal, while the total exposed electrode surface is so correlated with the rated discharge current through the electrode, and with the operating pressure of the discharge atmosphere, that the heating of said arcing end by the discharge and the cooling thereof by conduction and radiation to and from the rest of the electrode and its current lead and support are in balance for a temperature of said arcing end that is of the order of 3000° K.

2,363,532
VAPOR PHASE CRACKING PROCESS
William O. Keeling, Independence, Mo.
Application March 9, 1932, Serial No. 597,692
2 Claims. (Cl. 196—61)

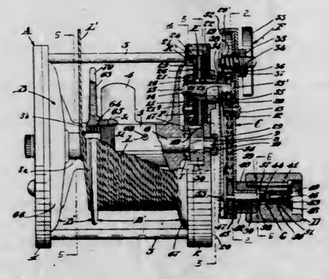
2. A process for converting hydrocarbon oil into hydrocarbons of lower molecular weight including the steps of heating the hydrocarbon oil in an elongated, confined stream, to vaporizing temperatures, flashing the oil into vapors

and unvaporized oil, separately removing the vapors from the evaporation zone and passing them in an elongated, confined stream at a rate slow enough to permit a conversion in the vapor phase to take place, simultaneously generating hot gases of combustion, physically commingling the hot gases of combustion with the cracked vapors in sufficient quantity and at sufficient temperature so that the resulting mixture will have a temperature in excess of 1000° F., per-



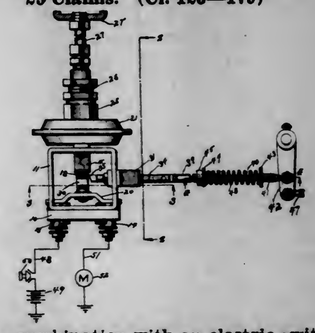
mitting a time interval of conversion whereby further low boiling hydrocarbons are formed, passing the resulting mixture into a third conversion zone and there physically commingling further hot gases of combustion at sufficient temperature to raise the resulting mixture to a temperature in excess of 1000° F., permitting a time interval reaction whereby further desired low boiling hydrocarbons are formed, dephlegmating the products of the reaction and condensing the desired low boiling hydrocarbons.

2,363,533
REELING MECHANISM
Frank A. King, Los Angeles, Calif.
Application September 20, 1941, Serial No. 411,676
4 Claims. (Cl. 242—118)



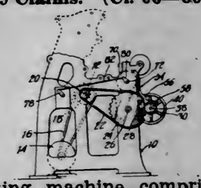
1. A divided anti-backlash spool for a fishing reel comprising a hub, end flanges on said hub, a partition mounted on said hub at a point between one of said end flanges and the center of the spool to define a winding space which is narrower than the winding space between said partition and the other end flange, said hub having an end portion of uniform reduced diameter extending between the partition and said one end flange and serving as a hub for said narrower winding space, a hub on said partition adjustably supporting the partition on the unreduced portion of the spool hub.

2,363,534
AUTOMATIC STARTER SWITCH
Joseph Frederick Lachapelle, West Chester, Pa., assignor, by direct and mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 29, 1932, Serial No. 626,248
25 Claims. (Cl. 123—179)



1. The combination with an electric switch and vacuum controlled means for opening said switch; of a spring urging said switch to closed position, said switch including a stem having an opening therein, a plunger adapted to engage in said opening upon the switch being moved to fully open position, a spring urging said plunger toward said stem, and pedal controlled means for retracting said plunger against the action of the last mentioned spring.

2,363,535
KNITTING MACHINE
Fritz Lambach, Tenafly, N. J.
Application October 21, 1943, Serial No. 507,059
9 Claims. (Cl. 66—86)

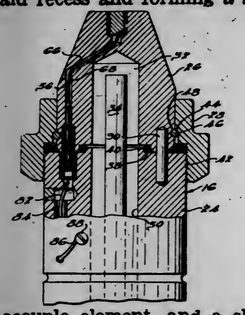


1. A knitting machine comprising: a main shaft, an electromotor connected with said main shaft, a switch in circuit with said electromotor for the control thereof, a hand wheel shaft, a clutch having a shiftable member, said clutch being interposed between said hand wheel shaft and said main shaft, and a mechanism arranged for the control of said shiftable member of said clutch, said mechanism being associated with said switch for an automatic disengagement of said two shafts from each other by said clutch simultaneously with a switching on of said electromotor by said switch and for an automatic engagement of said two shafts with each other by said clutch simultaneously with a switching off of said electromotor by said switch.

2,363,536
WELDING MECHANISM
Chester F. Leathers, Detroit, Mich., assignor to Progressive Welder Company, Detroit, Mich., a corporation of Michigan
Application April 24, 1942, Serial No. 440,379
8 Claims. (Cl. 219—4)

3. In an electrode, the combination of a thermocouple element, a tip having a work engaging

face and having a recess in said face, a plug received in said recess and forming a support for



said thermocouple element, and a sleeve interposed between the wall of said recess and said plug and acting to support the plug and element relative to the tip.

2,363,537

COLORING OF TEXTILE FIBER

James William Libby, Jr., Louisville, Ky., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 8, 1943, Serial No. 471,731

9 Claims. (Cl. 8—46)

1. A process of coloring textile material, which comprises developing on the fiber an azo coloring matter of the phthalocyanine series by coupling on the fiber an azotized polyamino-phthalocyanine to a coupling component containing a water-solubilizing group.

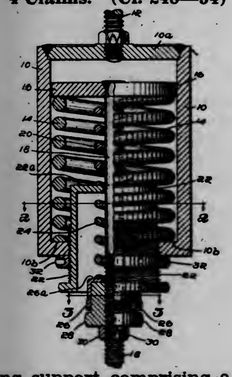
2,363,538

SPRING SUPPORT

Albert J. Loepsinger, Providence, R. I., assignor to Grinnell Corporation, Providence, R. I., a corporation of Delaware

Application September 30, 1943, Serial No. 504,508

4 Claims. (Cl. 248—54)



1. A spring support comprising a load spring for supporting a load in its normal position and permitting said load to move above and below said position; resilient means acting to resist movement of the load only above its normal position; other resilient means acting to resist movement of the load only below its normal position; an adjustable seat interposed between said resilient means; and means for adjusting the said seat to avoid action of both resilient means when the load is being supported in its normal position.

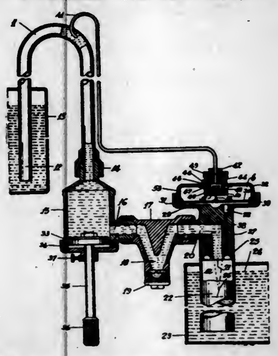
2,363,539

SIPHON SYSTEM

Matthew H. Loughridge, Bogota, N. J.; William R. Lockridge administrator of said Matthew H. Loughridge, deceased

Application March 20, 1941, Serial No. 384,365

6 Claims. (Cl. 137—106)



1. In a siphon system an upper tank containing a liquid, a receiver tank, a siphon tube connecting said tanks for the flow of the liquid and a bell on the discharge end of said siphon and sealed as the liquid rises in the receiver tank, whereby the air pressure in said bell opposes the flow of the siphon.

2,363,540

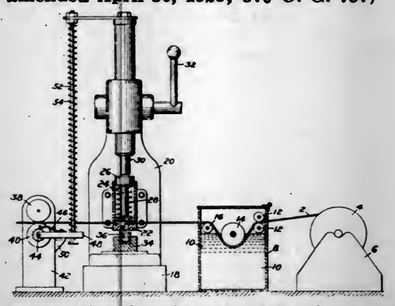
APPARATUS FOR STAMPING

Christian M. McVey, Denville, N. J.

Application September 15, 1942, Serial No. 458,475

1 Claim. (Cl. 113—80)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



An apparatus for stamping discs from metal strips for seating in cup shape receptacles, comprising a main support, cup supporting means on said support, a stamping die above said cup supporting means, a hollow cylinder above said die whose lower end is in strip guiding relation to said die, said cylinder having an aperture in its lower end, a spring supported punch in said cylinder reciprocable through said aperture, a manually operable plunger on said main support for operating the punch, a strip feed mechanism to one side of the main support comprising a standard having an upper and a lower feed roll journaled thereon, a ratchet fixed to the lower roll, a rockable arm mounted concentrically with said ratchet roll, a stop to limit downward movement of said arm, a laterally extending member carried by the upper end of the plunger, a rod connecting said member and rockable arm and having means on its lower end for engagement with the underside of said rockable arm on the upward movement of the plunger to rotate the ratchet roll, a spiral spring surrounding the rod for returning said rockable arm to normal position against the stop upon the downward movement of the plunger.

2,363,541

DETOXICANT

Gustav J. Martin, Elmhurst, and Marvin R. Thompson, Great Neck, N. Y., assignors to William R. Warner & Company, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application May 2, 1940, Serial No. 332,986

4 Claims. (Cl. 167—65)

3. A therapeutic agent for use in connection with the treatment of rheumatism, gout and similar ailments, comprising a compound selected from the group consisting of phenylcinchoninic acid and its esters, for combating said ailments, in association with cysteine and an ascorbic acid to lower the toxicity of said compound without materially impairing the therapeutic effect thereof.

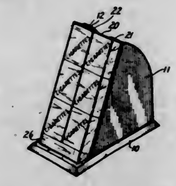
2,363,542

DISPLAY AND DISPENSING STAND

Maximilian C. Meyer, Brooklyn, N. Y., assignor to Duranol Products, Inc., Brooklyn, N. Y., a corporation of New York

Application December 24, 1941, Serial No. 424,318

2 Claims. (Cl. 312—118)



1. A display and dispensing stand comprising a base, two support members mounted and secured upon said base, a plastic display unit mounted and secured upon said support members, said display unit comprising in one piece a transparent front wall portion, two integral side portions and two integral rear portions, the total width of said rear portions being less than the width of said front surface so as to provide a slot in the back of said display unit and make accessible for manipulation the goods contained within said display unit, and side wall members mounted and secured upon said base.

2,363,543

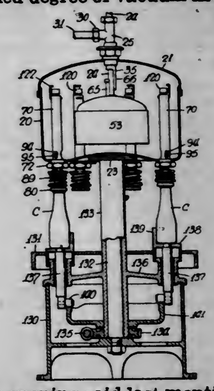
CONTAINER FILLING APPARATUS

Bruce De Haven Miller, Louisville, Ky., assignor to The Girdler Corporation, Louisville, Ky., a corporation of Delaware

Application June 5, 1943, Serial No. 489,770

24 Claims. (Cl. 226—116)

1. In an apparatus for filling a container with liquid, a filling nozzle having a vacuum passage and a liquid passage, a pair of valves for closing said passages, means operated by a movement of said nozzle with the container for partially opening the valve of said vacuum passage, and means operative responsively to the development of a predetermined degree of vacuum in said container



for further opening said last mentioned valve and for opening the other of said valves to permit flow of liquid.

2,363,544

METHOD AND APPARATUS FOR FINISHING PRISMS

Halley W. Mogey, Stamford, Conn., assignor to The Perkin-Elmer Corporation, Glenbrook, Conn., a corporation of New York

Application April 3, 1942, Serial No. 437,519.

4 Claims. (Cl. 51—284)



1. In an apparatus for forming a second flat precision surface on a piece of optical material at a specified angle to a polished first flat precision surface on said material, a block of optical material having a polished precision top plane and a plurality of polished precision side planes symmetrically disposed with respect to the center of the block, each of which planes makes the specified angle to the top plane and is adapted for attachment of said first flat surface by optical contact, the vertical dimension of said block being less than its horizontal dimensions.

2,363,545

MEASURING INSTRUMENT

John H. Morehead, Long Beach, Calif.

Application January 4, 1943, Serial No. 471,304

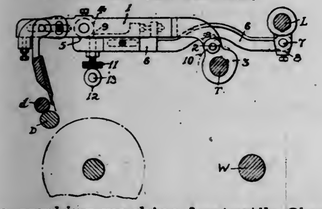
2 Claims. (Cl. 33—141)



1. In a measuring instrument of the type described, the combination of a member having a

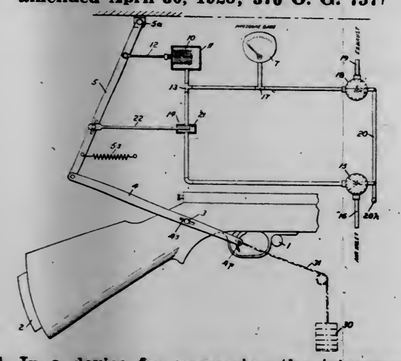
scale, a screw rotatably mounted on said member, a split washer having a spiral contour threadedly engaging said screw, a pointer on said washer engaging said member to restrain the washer from relative rotation with respect to the member but movable longitudinally thereof and with respect to said scale through rotation of said screw, a work engaging measuring wheel fixed to said screw for rotating the screw when the wheel is rolled on the work, said scale being co-related to the circumference of said wheel, and a spring having one end attached to said wheel and its other end attached to said screw to flexibly connect the wheel with the screw.

2,363,546
COMBING MACHINE
John William Nasmith, Heaton Mersey, Manchester, England
Application January 26, 1942, Serial No. 428,265
In Great Britain March 7, 1941
3 Claims. (Cl. 19—121)



1. In a combing machine for textile fibres, detaching rollers, a top comb bearing arm oscillated to and from the roller position, a control member permitting the fall of such arm at a constant point at commencement of its forward movement towards the detaching rollers and effecting the subsequent lift thereof at the end of its retrogressive movement, and means for altering by the control member the point of lift of the arm, at each stroke of the machine, in relation to the point of its previous fall, with consequent variation of length of top comb path between the forward and retrogressive movements of such top comb.

2,363,547
TRIGGER-PULL MEASURING DEVICE
Stephen T. Novak, Dayton, Ohio
Application November 14, 1942, Serial No. 465,568
6 Claims. (Cl. 73—167)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a device for measuring the trigger-pull of firearms, the combination of means for holding the firearm, a lever pivotally mounted at one end and provided with a spring urging it in one direction, a bar articulated to the distal end of the said lever and mounted for an extent of sliding movement, a pin provided at the distal end of the said bar and adapted to be placed in abutting relation to the trigger of the firearm, a bellows having a rod articulated to the said lever and adapted to turn the lever in a direction opposite to the said spring-urged direction, a source of air pressure, an inlet valve leading to the said source, an exhaust outlet valve leading to the atmosphere, a common gang control for the said two valves, pipe means connecting each of the said two valves to the said bellows, a pressure gauge in the said pipe connection between the bellows and the exhaust outlet valve, and a shut-off valve in the said pipe connection between the bellows and the inlet valve provided with a piston rod articulated to the said lever adapted, when the pressure in the bellows reaches a maximum sufficient to pull the trigger and discharge the firearm, to close the said shut-off valve whereby the said gauge will remain at the said maximum reading after the said discharge of the firearm.

2,363,548
MANUFACTURE OF HYDROXY-KETO COMPOUNDS HAVING A CYCLOPENTANOPOLYHYDROPHENANTHRENE NUCLEUS
Rupert Oppenauer, Amsterdam, Netherlands; vested in the Alien Property Custodian
No Drawing. Application May 1, 1940, Serial No. 333,012. In the Netherlands June 27, 1936
3 Claims. (Cl. 260—397.4)

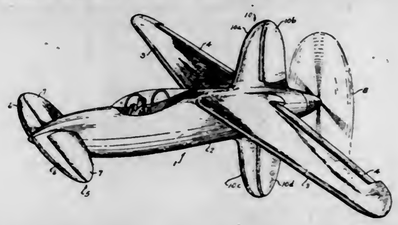
1. In the isomerization and dismutation of organic compounds containing a cyclopentanopolyhydrophenanthrene nucleus and having at least one keto group and at least one non-tertiary hydroxyl group attached thereto, the process which comprises treating a 3,21-dihydroxy-26-keto compound having a cyclopentanopolyhydrophenanthrene nucleus with a small amount of a metal alcoholate in the presence of an inert solvent.

2,363,549
THERAPEUTIC AGENT FOR THE TREATMENT OF HYPERTENSION
Harold M. Rabinowitz, Brooklyn, N. Y.
No Drawing. Application April 6, 1942, Serial No. 437,843
4 Claims. (Cl. 167—74)

1. The method of making an anti-pressor material which comprises removing the fats from urine, forming a concentrated substantially neutral aqueous acidified solution of the material remaining after removal of the fat, separating from the said concentrated solution the ethyl ether soluble material, reducing the ethyl ether soluble material to solid form, and subliming the solid material so obtained to give a material of melting point above 119° C. and of pronounced anti-pressor properties.

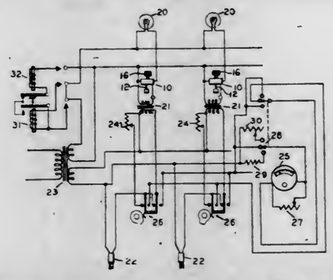
2,363,550
DIFFERENTIALLY CONTROLLED SURFACES FOR LATERAL AND DIRECTIONAL CONTROL
Carl E. Reichert, Dayton, Ohio
Application December 15, 1941, Serial No. 423,075
3 Claims. (Cl. 244—87)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A canard-type airplane in which the center of gravity is forward of the aerodynamic center of the main supporting plane and including: a fixed vertical surface located aft of the center of gravity of the airplane and substantially symmetrically disposed above and below the longitudinal or rolling axis of the airplane, a pair of movable control surfaces hinged at the trailing edge of said vertical surface and movable in either direction relative thereto about a vertical axis,



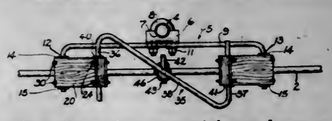
and control means on said airplane operatively connected to said movable surfaces to deflect the same, said control means being operative to deflect the said movable surfaces in the same direction to obtain directional control forces to turn the airplane and operative to deflect said surfaces in opposite directions with respect to each other to produce rolling moments for lateral control of the airplane.

2,363,551
ELECTRICAL ALARM AND TESTING SYSTEM
Everett M. Roeder, Merrick, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application June 28, 1941, Serial No. 400,165
2 Claims. (Cl. 177—311)



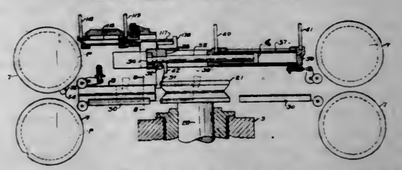
1. An electrical salinity indicating system having a circuit including a plurality of salinity condition testing electrodes therein, said electrode circuit having individual current controlling devices for each of said electrodes settable to compensate for variance in temperature conditions at the respective electrodes, an alarm circuit, associated with said electrode circuit, having individual indicating elements therein for each of the electrodes of the system, a normally open testing circuit having a single meter therein and a single adjustable current controlling device by means of which the salinity conditions at the temperature of the respective electrodes may be individually measured, a source of electrical energy for said system, and switching means for each of said electrodes connecting said electrode and testing circuits adapted to cut out only that portion of the electrode circuit containing the individual current controlling device for the particular electrode being tested.

2,363,552
PULL ROD CARRIER
Allen M. Rossman, Wilmette, Ill.
Application March 10, 1941, Serial No. 382,474
15 Claims. (Cl. 74—522.5)



1. A pull rod carrier comprising a base, a cross member pivotally supported at each end by arms of equal length which are pivotally attached to said base, said cross member having a part which is rigidly fixed to the rest of the cross member and depends from a line joining the pivots at the ends of the cross member, a pull rod support pivoted at a lower point of said depending part which is an equal distance from the pivots and is adapted to reciprocate in a substantially straight line motion, said cross member abutting against the base as the cross member pivots a fixed distance in either direction from its mid position to stop the reciprocating motion of said support at fixed points.

2,363,553
METHOD OF AND APPARATUS FOR DIE ROLLING
Arthur C. Ruden, Euclid, Ohio, assignor to The Mid-West Forge Company, Cleveland, Ohio, a corporation of Ohio
Application July 11, 1940, Serial No. 345,587
14 Claims. (Cl. 80—26)

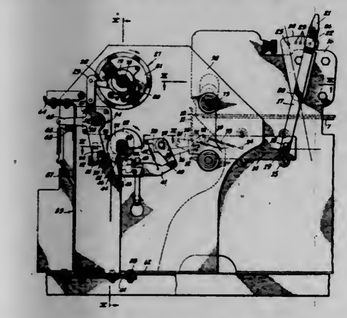


1. Apparatus for die rolling blanks, comprising spaced sets of die rolls arranged in alignment with each two adjacent sets of rolls spaced a greater distance than the length of the blank discharged from the first of said sets, means responsive to the movement of the rolls about to be entered by the blank for feeding said blank toward said rolls, means for temporarily stopping the movement of the blank feeding means until such time that the entering end of the blank is in a predetermined registering relation with the die portions of the rolls about to be entered by said blank, and means responsive to the movement of one of said rolls for permitting the movement of said blank feeding means to be resumed when said registering relation is established.

2,363,554
TRIP AND CONTROL MECHANISM FOR MAIL-TREATING MACHINES
Commodore D. Ryan and Edward P. Drake, Los Angeles, Calif., assignors to Commercial Controls Corporation, a corporation of Delaware
Application June 23, 1941, Serial No. 399,324
11 Claims. (Cl. 101—235)

1. In an object-treating machine having a treating mechanism, conveyer means for successively delivering objects past said treating mechanism, a driving means, a clutch for coupling said driving means to said mechanism, means for engaging and disengaging said clutch comprising: a control member operating directly on said

clutch, means for actuating said control member including a shaft and an arm for rocking the shaft, trigger means adapted to be tripped by movement of each object to said treating mechanism, including a trigger, a slidable member pivotally supporting said trigger and slidable in the direction of movement of said objects, lever means fulcrumed on said slidable member and connected to said trigger to be rocked thereby, said lever means having a crank normally positioned above said arm, whereby rocking movement of the trigger rocks the crank down against said arm to rock the latter and actuate said con-



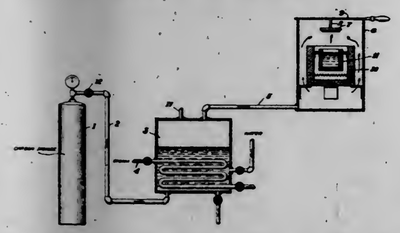
trol mechanism, said slidable member being movable through a range of longitudinal positions in which said crank is positioned above said arm in operative relation therewith, and an extreme position in which the crank is clear of said arm, whereby operation of the trigger is ineffective to actuate said control member, a lever having a pin and slot connection with said slidable member at one end for moving said slidable member longitudinally in response to rocking movement of the lever, and detent means on said lever for releasably locking it in any one of a plurality of positions corresponding to said different positions of adjustment of said slidable member.

2,363,555

METHOD OF PRODUCING SELENIUM RECTIFIERS

Otto Saslaw, Lyndhurst, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware

Application August 21, 1943, Serial No. 499,526
4 Claims. (Cl. 175—366)



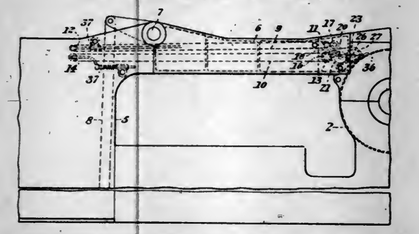
4. In the manufacture of a selenium rectifier, the method which comprises vaporizing selenium dioxide, causing said vapors to condense on a selenium layer supported on a base plate, in an atmosphere of carbon dioxide and moisture, applying a counter-electrode to said selenium layer and finally electro-forming said rectifier in an atmosphere of carbon dioxide and moisture.

2,363,556

MATERIAL HANDLING APPARATUS

August A. Saul, Pittsburgh, Pa., assignor to Miller Printing Machinery Co., Pittsburgh, Pa., a corporation of Pennsylvania

Application May 20, 1941, Serial No. 394,319
23 Claims. (Cl. 101—279)



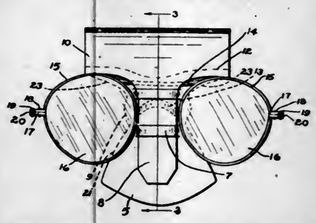
1. Material handling apparatus comprising driving means and material handling means which are relatively bodily separable and relatively bodily power operated to assembled position in which the material handling means is adapted to be driven by the driving means, one of the driving means and material handling means having a gear and the other having a pair of gears, one meshing with said first mentioned gear when the driving means and material handling means are assembled and with the second of said pair and mounted to swing about the axis of said second gear.

2,363,557

FACE SHIELD

George H. Schauweker, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts

Application December 23, 1942, Serial No. 469,917
5 Claims. (Cl. 2—9)



1. A face shield comprising a nose protecting portion adapted to overlie the nose of the wearer, a brow protecting portion adapted to overlie a portion of the brow of the wearer, loop means on said nose protecting portion and tongue means on said brow portion adapted to overlie said nose protecting portion and to cooperate with said loop means for attaching said face shield to an ophthalmic mounting.

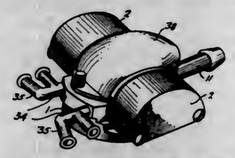
2,363,558

PULSATOR

John A. Schmitt, Milwaukee, and Lloyd F. Bender, Waukesha, Wis., assignors to The Universal Milking Machine Company, Waukesha, Wis., a corporation of Wisconsin

Application April 23, 1941, Serial No. 389,928
12 Claims. (Cl. 31—62)

1. A pulsator apparatus, including a support, a pair of oppositely disposed non-circular fluid pressure piston chambers carried thereby, corresponding non-circular reciprocatory pistons therein, an alternating valve controlling the admission and escape of fluid pressure to and from the respective chambers, a locking member for temporarily holding the valve in adjusted position and operative to release the valve for reverse movement as the pistons approach the limit of their movement in either direction, an oscillatory toothed segment moving in unison with the locking member, a reciprocatory rack bar moving in



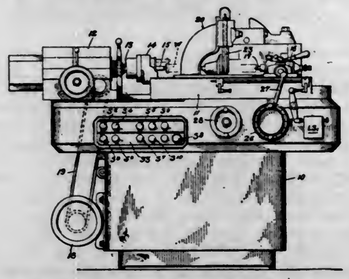
unison with the reciprocatory pistons and with which the toothed segment intermeshes, and transmitting to and fro motion thence to the locking member, a rod interconnecting the pistons, a pair of helical springs surrounding the rod in axially spaced relation and alternately tensioned by the to and fro movement of the pistons to actuate the alternating control valve when released by the locking member, and a pulsator valve actuated to and fro by the movement of the pistons.

2,363,559

GRINDING MACHINE AND METHOD

Alf Kristian Selnes, Detroit, Mich., assignor to Ex-Cell-O Corporation, Detroit, Mich., a corporation of Michigan

Application March 16, 1942, Serial No. 434,923
20 Claims. (Cl. 51—95)



1. A grinding machine comprising, in combination, means including a work spindle for supporting a workpiece for rotation about a fixed axis and in a predetermined direction, a grinding spindle having a grinding wheel mounted for peripheral cutting engagement with the workpiece, and drive means for rotating said spindles, said drive means including control means for reversing the rotation of said grinding spindle, whereby said grinding wheel may be caused to rotate selectively in either the same or opposite direction relative to the rotation of the workpiece.

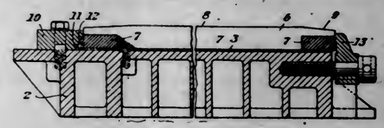
2,363,560

PRINTING APPARATUS

Joseph Sinkovitz, Pittsburgh, Pa., assignor to Miller Printing Machinery Co., Pittsburgh, Pa., a corporation of Pennsylvania

Application January 21, 1941, Serial No. 375,131
8 Claims. (Cl. 101—390)

1. Printing apparatus for a printing press whereby a form may be made up off the press bed and as made up transferred to the bed yet the full width of the bed may be effectively utilized, comprising a bearer chase having longitudinally extending bars and means connecting said bars together in fixed relationship so that the chase with a form made up therein may be transferred to and from the bed, the outer edges of said longitudinally extending bars being spaced apart a distance approximating the



full width of the bed, the inner edges of said bars defining the lateral limits of the form and the width of said bars approximating the width of the bearers of the member of the printing couple cooperating with the bed during printing, said bars constituting the bed bearers of the printing apparatus and engaging the bearers of the member of the printing couple cooperating with the bed during printing.

2,363,561

CYCLOHEXYL-AMINE SALTS

Frank B. Smith and John N. Hansen, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

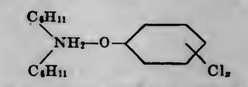
No Drawing. Application June 15, 1940, Serial No. 340,844
8 Claims. (Cl. 167—31)

1. A compound having the formula

$$(C_6H_{11-m}R_m-)_nNH_{4-n}-O-\underset{}{\overset{}{\bigcirc}}-Cl_x$$

wherein m and n are integers not greater than 2, R represents a member of the group consisting of hydrogen, halogen, aryl, aralkyl, cycloalkyl, and those alkyl radicals containing from 1 to 8 carbon atoms, inclusive, and x is an integer from 3 to 5, inclusive.

7. An insecticidal and fungicidal mixture of diatomaceous earth with a compound having the formula



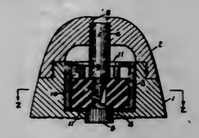
wherein x is an integer from 3 to 5, inclusive.

2,363,562

FIRING MECHANISM BARRIER

Wilfred E. Thibodeau, Cleveland, Ohio, and Gregory J. Kessenich, Madison, Wis.

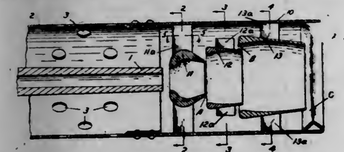
Application January 24, 1941, Serial No. 375,800
7 Claims. (Cl. 102—79)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A fuse comprising a casing, a firing element and a barrier for said firing element in said cas-

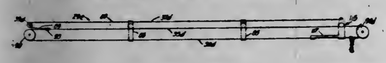
ing, said barrier consisting essentially of a material with elastic properties similar to those of soft rubber and having a portion of its outer boundary spaced from the casing, said barrier constructed and arranged in said casing for volume distortion and a resultant distension of said portion of its outer boundary radially of the fuse axis under the urging of centrifugal force.

2,363,563
AIR-COOLED GUN BARREL
Neal L. Vinson, Mill Valley, Calif.
Application November 18, 1942, Serial No. 465,969
3 Claims. (Cl. 89—14.1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



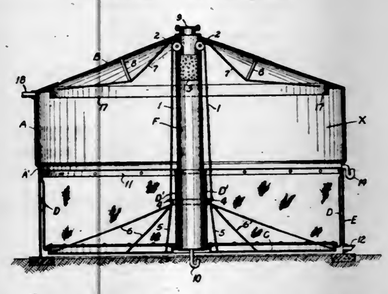
1. A cooling device for fire arms having a perforated jacket surrounding the barrel and spaced therefrom to provide an annular space for the passage of cooling air, comprising in combination, a sleeve secured to the end of the jacket and extending beyond the gun muzzle, a plurality of closely associated axially aligned open end separate tubular members centrally supported in the sleeve, said members spaced from the sleeve and increasing in diameter from the innermost to the outermost one, the innermost member being closely adjacent the muzzle of the gun when in battery position and having a gas entrance opening of approximately the same diameter as the bore of the gun to create a strong initial suction at said entrance opening, the gas exit opening of said member being greatly in excess of said entrance opening but substantially smaller than the gas entrance opening of the succeeding members whereby a succession of unrestricted gas exit passages are formed through all of the members to assure the continuous and increasing expansion of the gases from the innermost member through all the members, said succeeding members having gas exit openings of substantially less diameter than the gas entrance openings of the forwardly adjacent members thereby forming air suction openings between the members.

2,363,564
PULLEY CLOTHESLINE AND HOLDER THEREFOR
John Waldheim, Elizabeth, N. J.
Application October 11, 1941, Serial No. 415,420
24 Claims. (Cl. 211—119.02)



2. In a pulley clothes line, the combination of two reaches, formed of a single piece of rope, two pulleys to guide said reaches to travel in a vertical plane in opposite directions and form an elongated loop, one of said pulleys being located near a clothes attaching station, the other pulley being located remote from said station, one of the loop reaches forming an outer reach, the other loop reach forming an intermediate reach, a separate piece of material to form a third reach, one end of the third reach being secured to said loop, said end being located close to said station, said third reach extending to the remote pulley and being attached at its other end to said loop, said third reach forming an outer reach, one of the outer reaches serving as a clothes supporting reach being located substantially in the same vertical plane as the intermediate reach and, the other outer reach serving as a guard reach to prevent the articles of clothes when blown over the pulley line from lying on the intermediate reach which travels in a direction opposite to the direction of travel of the other two reaches, a separate pulley located at the clothes attaching station to guide one end of the third reach, and a device to guide the other end of the third reach, said device including means to secure it to one of the outer reaches, means to guide it on the idle reach, and means to attach it to the other outer reach.

2,363,565
GASHOLDER
John H. Wiggins, Chicago, Ill.
Application November 1, 1940, Serial No. 363,835
9 Claims. (Cl. 48—178)

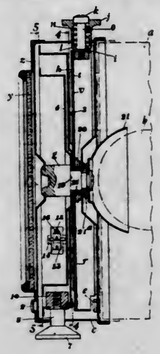


1. In an apparatus provided with a gas storage space or chamber having a stationary side wall, the combination of a vertically-movable member that forms one horizontally-disposed wall of said gas space, a stationary roof arranged above said vertically-movable member, a supporting member for said roof extending upwardly through an opening in said vertically-movable member, gas-tight, flexible diaphragms attached to said vertically-movable member and to said side wall and roof supporting member so as to provide for the rise and fall of said vertically-movable member, and a counterweight for said vertically-movable member operatively connected with same and housed by said roof supporting member.

2,363,566
SIGNALING LAMP
Arthur Cyril Webb Aldis, Sparkhill, Birmingham, England, assignor to Aldis Brothers Limited, Sparkhill, Birmingham, England
Application March 2, 1942, Serial No. 433,085
In Great Britain September 13, 1941
7 Claims. (Cl. 116—18)

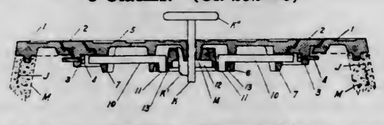
1. For use with a signaling lamp of the kind specified, a shutter comprising the combination of a pair of coaxially arranged oscillatory discs formed with similar spaced apertures which normally register with each other and which are so arranged that by appropriate relative movement of the two discs the apertures in each disc are first obscured and then brought into register with different apertures in the other disc, means

whereby one of the discs can be actuated by the signaler, and an over-centre spring mecha-



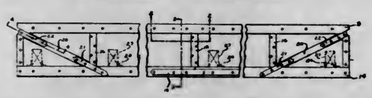
nism interconnecting the two discs in the vicinity of their peripheries and adapted to impart opposite movements to the other disc.

2,363,567
COVER PLATE
Henry W. Blakeman, Rayville, La.
Application June 12, 1943, Serial No. 490,693
8 Claims. (Cl. 292—6)



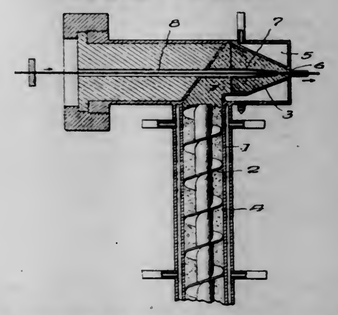
1. A cover provided with a locking means attached to its lower side, said locking means including a locking bar loosely reciprocally mounted in a guide depending from the cover, said guide being provided with an upwardly slanting slot through which the locking bar extends, the inner end of the locking bar being pivotably mounted on a rotatable locking bar moving means, said locking bar moving means being rotatably mounted on the cover and being adapted to move the locking bar through the slanting slot while the locking bar moves across the slanting slot whereby the force of gravity acting on the locking bar when the locking bar is in an elevated position in the slanting slot assists the movement of the locking bar through the slanting slot.

2,363,568
TIMBER PLATE GIRDER
Reuben Butler, Detroit, Mich.
Application May 4, 1942, Serial No. 441,676
6 Claims. (Cl. 20—0.5)



1. A timber plate girder comprising an elongated panel of veneer wood; a pair of rails mounted on the opposite longitudinal edges of said panel; means for securing said rails in clamping relation to said panel; and diagonally extending braces on opposite ends of said structure secured to the face of said panel and projecting upwardly from the lower edge thereof and outwardly toward the ends thereof.

2,363,569
MANUFACTURE OF NONDETONATING FUSES FOR BLASTING AND SIMILAR PURPOSES
Walter Anderson Caldwell, West Kilbride, and Albert Greville White, Saltcoats, Scotland, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
Application April 30, 1941, Serial No. 391,206
In Great Britain July 1, 1940
13 Claims. (Cl. 86—23)



1. A method of manufacturing a fuse which comprises extruding into a coherent imperforate core about a soft wire a deflagrating mixture of normally pulverulent oxidising and reducing agents bonded together by means of not more than about its own weight of a non-volatile nondetonating binding agent comprising a gelatinised polynitrate, characterised by colloidal properties, of an organic polyhydroxy compound, said binding agent being present in sufficient quantity to occupy completely the voids between the normally pulverulent material and to provide a voidless core, applying to the core a coating of film-forming material, spinning a continuous textile covering over the coating, and applying a further coating of fusible waterproof material, the several coatings being continuously formed of relatively incombustible material and of sufficient thickness to prevent the core from burning along its outer surface.

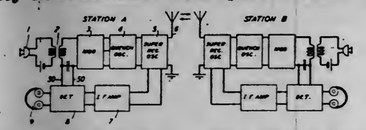
2,363,570
IMITATION MOTHER-OF-PEARL
Amerigo F. Caprio, Madison, N. J., assignor, by mesne assignments, to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application January 24, 1941, Serial No. 375,765
2 Claims. (Cl. 106—193)

1. Moldable decorative material exhibiting a mother of pearl effect, comprising a plastic base material, selected from the group consisting of cellulose acetate, casein and phenol formaldehyde and urea formaldehyde resin, having incorporated therein particles of an ammonium phosphate salt of a metal selected from the group consisting of magnesium, manganese and zinc, said salt being crystalline and silky in character.

2,363,571
RADIO SIGNALING
Joseph G. Chaffee, Hackensack, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 6, 1943, Serial No. 471,389
5 Claims. (Cl. 250—6)

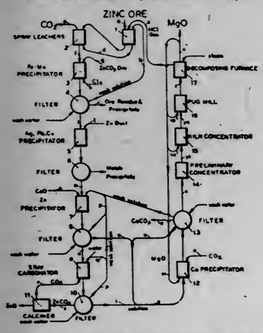
1. A two-way radio telephone system comprising at each terminal a super-regenerative oscil-

lator circuit an antenna coupled to said circuit, means for periodically quenching the oscillations in said circuit at a high frequency rate, the quenching frequencies at the two terminals differing from each other by a super-audible frequency, means for modulating the quenching frequency in accordance with speech signals to be



transmitted, a selective circuit coupled to said oscillation circuit responsive to oscillations of frequency equal to the difference of the quenching frequencies at the two terminals, a signal detector responsive to frequency variations of oscillations impressed thereover, and means for impressing on said detector oscillations selected by said selective circuit.

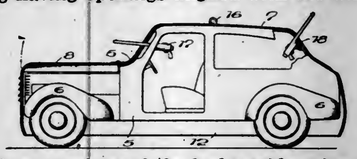
2,363,572
TREATMENT OF ZINC CARBONATE ORES
Niels C. Christensen, Salt Lake City, Utah
Application January 17, 1944, Serial No. 518,619
13 Claims. (Cl. 23—61)



11. A cyclic process of treating mixed carbonate ores of zinc and magnesium, comprising the steps of leaching the ores with HCl to produce a solution of chlorides, treating said solution of chlorides with lime to form a precipitate of zinc hydroxychloride mixed with magnesium hydroxide, treating the precipitate with CO_2 to form zinc carbonate, mixing the solution remaining from said last treatment with the solution remaining following the lime precipitation step, treating said last mixed solution to precipitate calcium carbonate, separating the calcium carbonate, concentrating the remaining solution, mixing the concentrated solution with MgO, treating the mixture thus formed with steam at a high temperature to produce MgO and HCl, and using the HCl to leach additional quantities of mixed carbonate ores.

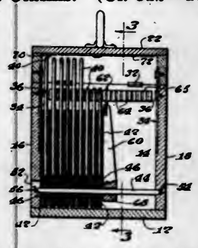
2,363,573
ARMOR SHELL FOR MOTOR VEHICLES
Thomas J. Costa, Teaneck, N. J.
Application April 4, 1942, Serial No. 437,697
1 Claim. (Cl. 89—36)

In combination with a passenger motor vehicle of standard construction including a body with a top and fenders, the doors and windows of the body being removed to provide openings, a preformed armor casing shaped to conform to the outline of the body and completely enveloping the latter including the top and fenders, the casing having openings aligned with the window



and door openings of the body, said casing resting on and supported by said top and fenders and being secured to said fenders.

2,363,574
FILING CABINET
John W. Cowan, Milton, Mass.
Application January 15, 1942, Serial No. 426,816
2 Claims. (Cl. 312—10)

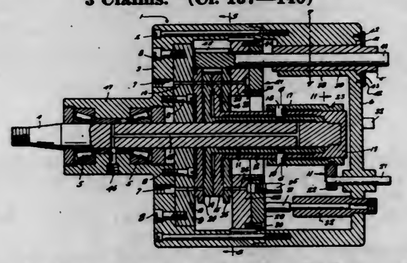


2. A portable cabinet for holding and transporting phonograph records comprising a box having a cover and a removable front panel, means for fastening the cover and front panel when the box is closed, a rod horizontally extended and removably supported between the side walls of said box and disposed adjacent the lower front corner thereof, a group of rectangular vertically disposed record holding envelopes pivotally mounted on said rod and arranged to permit individual envelopes to be swung out of alignment with the group when the box is opened, said envelopes being snugly fitted into said box with a minimum of clearance between the edges thereof and the bottom, front and rear panels of the box when the latter is in its closed condition whereby to reduce to a minimum lateral movement of said record holding envelopes and their contents during transportation, said box being also proportioned to provide a minimum of clearance between the upper edges of the inserted records and the top cover of the box, and means for maintaining the group of envelopes and their contents in a compact condition longitudinally of the rod including a retaining member pivotally and slidably mounted on the rod, and means mounted on a stationary wall of the box adapted to be removably engaged by the retaining member.

2,363,575
POWDER METALLURGY
William W. De Lamatter and Patrick Henry Hume, Lakewood, Ohio, assignors to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
No Drawing. Application June 10, 1941, Serial No. 397,484
11 Claims. (Cl. 25—156)

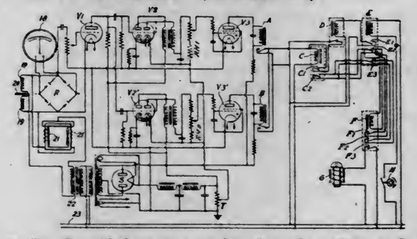
1. In the production of hard metallic bodies of great and uniform density, the improvement which comprises providing a mass of powdered tungsten carbide having the requisite particle size; thoroughly admixing a lubricant with the powder in the presence of a wetting agent effective to wet the powder; compressing said powder into a mold to integrate it, and, thereafter, subjecting said integrated mass of powder to sintering heat autogenously to coalesce its particles.

2,363,576
FUEL CONTROL VALVE FOR DIESEL ENGINES
Raymond John Devorak, Minneapolis, Minn.
Application September 25, 1943, Serial No. 503,801
3 Claims. (Cl. 137—146)



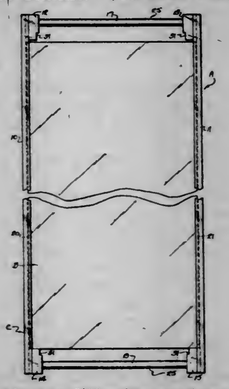
1. A valve of the character described comprising a housing, a shaft rotatable in said housing, means to continuously rotate said shaft a follower slidable in the housing, a fuel line connected to the follower, said follower having passages therein communicating with the line, the housing having outlets therein aligned with the passages, disks mounted on the shaft for rotary adjustment relative to the latter, further rotary disks mounted on and rotatable with the shaft and operable between the first-named disks, means for actuating said follower to compact said disks, said first-named disks having ports therein communicating respectively with the passages and the outlets, the rotary disks having circumferential slots therein communicating with each other and communicating successively with the ports, means for rotatively adjusting the rotary disks relative to each other, and means for rotatably adjusting the first-named disks relative to the rotary disks and to restrain them from rotation with the shaft.

2,363,577
SHEARING AND CLASSIFYING MECHANISM FOR METAL STRIP
Albert M. Dexter, Jr., Hartford, Conn., assignor to Niles-Bement-Pond Company, West Hartford, Conn., a corporation of New Jersey
Application February 26, 1942, Serial No. 432,459
8 Claims. (Cl. 209—88)



1. In classifying apparatus for classifying sheet material, means for feeding sheet material along a designated route, an inspection station on said route and a shearing station on said route for shearing said material into desired lengths, a classifying station comprising a classifying gate for selectively delivering sheared sheets into a perfect stack or an imperfect stack, said inspection station comprising inspection means electrically responsive to the condition of said material as to a desired characteristic thereof, electrical means connected to said inspection means and comprising controlled contacts and being adapted to close its said contacts upon observation at said inspection station of a departure from an established standard tolerance for said characteristic, a holding circuit for said electrical means for retaining its contacts closed, cyclically actuated switch means controlled by said feeding means and actuated to be closed at the moment of the passage past said inspection station of the trailing edge of each of said lengths, electromagnetic gate actuating means for displacing said gate for selectively delivering sheets into a desired stack, a preparatory circuit controlled by the contacts of said electrical means, electromagnetic control means connected for actuation by said switch means, means actuated by said electromagnetic control means for completing said preparatory circuit and immediately thereafter opening said holding circuit so as to prepare said electrical means for the inspection of the succeeding length, and means controlled by the completion of said preparatory circuit for actuating said gate actuating means.

2,363,578
CONTACTOR UNIT FOR AIR CONDITIONING SYSTEMS
Walter G. Dieter, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application April 7, 1943, Serial No. 482,131
12 Claims. (Cl. 261—112)

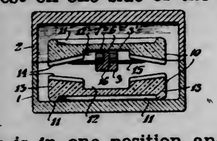


1. In an air conditioning system, a contactor unit comprising a plurality of spaced contactor plates and a frame extending around and parallel with the edges of said plates for supporting and retaining the same adjacent their edges and providing a substantially uninterrupted contactor surface on both faces of each of the contactor plates, said frame being open on two sides to permit free passage of air and liquid into and out of contact with two edges of each contactor plate.

2,363,579
RAZOR BLADE SHARPENER
Joseph A. Doll, Mineola, N. Y.
Application May 27, 1942, Serial No. 444,614
4 Claims. (Cl. 51—59)

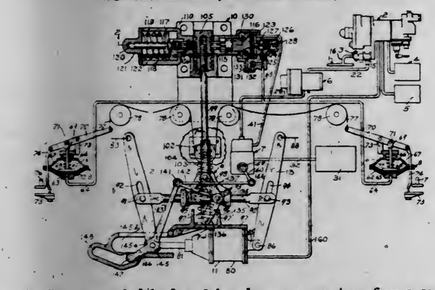
1. A safety razor blade sharpener, comprising a container having means to position and support

a double edge razor blade in fixed position therein with its edge portions free, and two laterally reciprocable blade sharpening blocks in said container on opposite sides of the supported blade one free to rest on one side of the blade when



the container is in one position and the other free to rest on the other side of the blade when the container is in a reversed position, each of said blocks having sloping and diagonally ribbed blade-engaging surfaces.

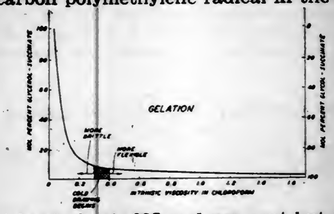
2,363,580
VARIABLE LOAD BRAKE
Clyde C. Farmer, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application July 30, 1942, Serial No. 452,853
25 Claims. (Cl. 188—195)



1. In a variable load brake apparatus for a vehicle, in combination, a brake lever, means for actuating said lever, an adjustable fulcrum for said lever, said fulcrum having a position for providing empty vehicle braking and being movable therefrom to various other positions through a loaded vehicle zone, for providing loaded vehicle braking, means movable by fluid pressure and according to the weight of the load carried for positioning said fulcrum in said loaded vehicle zone, locking means normally locking said fulcrum in position, fluid pressure controlled means having a chamber normally connected to the atmosphere, said means being operative upon an increase in fluid under pressure in said chamber to first unlock said fulcrum and then supply fluid under pressure to the second mentioned means to effect the positioning of said fulcrum and operative upon a decrease in fluid under pressure in said chamber to effect operation of said locking means to lock said fulcrum in the selected position and to then release fluid under pressure from the first mentioned means.

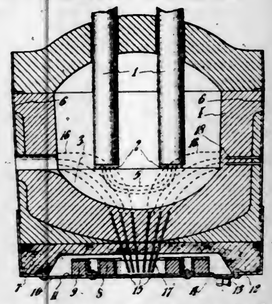
2,363,581
POLYESTERS
Carl J. Frosch, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 11, 1941, Serial No. 401,958
4 Claims. (Cl. 260—75)

1. A cold drawing polyester produced by esterifying a glycol made up of two hydroxyl groups joined by a divalent straight chain aliphatic hydrocarbon polymethylene radical with a dicarboxylic acid made up of two carboxyl groups joined by a divalent straight chain aliphatic hydrocarbon polymethylene radical in the presence



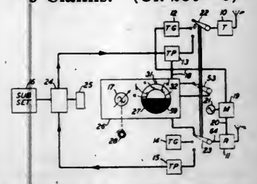
of at least about .025 mol per cent but less than about 1 mol per cent glycerin based on the total reaction mixture, and continuing said reaction until a cold drawing polyester is produced.

2,363,582
METHOD OF AND MEANS FOR STIRRING OR CIRCULATING MOLTEN OR LIQUID MATERIALS OR MEDIUMS
Jack Sydney Gerber and William Duckett Redfern, Bradford, England
Application October 26, 1942, Serial No. 463,378
In Great Britain November 17, 1941
7 Claims. (Cl. 13—4)



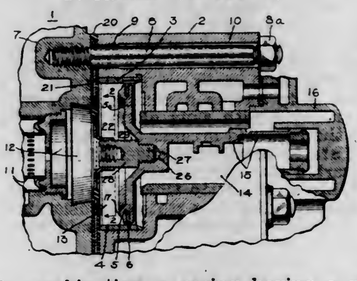
1. A furnace comprising a receptacle for a melt, at least one electrode associated with said receptacle for passing electric current through said melt, at least one coil associated with said receptacle for producing a magnetic field in said melt, means for supplying synchronous alternating electric currents to said electrode and said coil and means for varying the phase relation between said alternating electric currents.

2,363,583
TWO-WAY RADIO COMMUNICATION
George W. Gilman, Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 16, 1942, Serial No. 469,167
9 Claims. (Cl. 250—6)



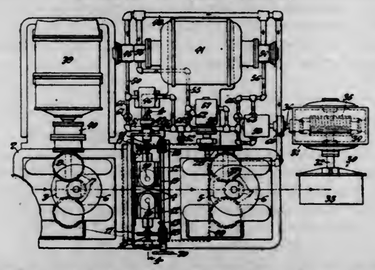
8. In combination a radio receiver, a normally inactive radio transmitter, means for simultaneously controlling the frequency to be radiated by said transmitter and the frequency to which said receiver is responsive, cyclically varying means for causing said transmitter and receiver frequencies to sweep over a range of frequencies, means for monitoring the output of said receiver to indicate the frequencies in use within said range of frequencies, and means for interrupting the sweeping action and rendering said transmitter active at a selected frequency in said frequency range.

2,363,584
VALVE DEVICE
John N. Good, Wilmerding, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application May 27, 1942, Serial No. 444,667
12 Claims. (Cl. 303—1)



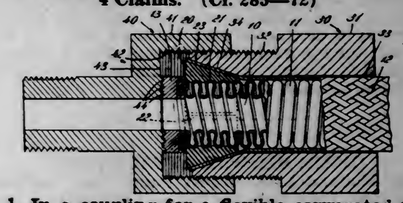
1. In combination, a casing having a piston bore open at one end, a cover closing the open end of said bore, bolt means rigidly securing said cover and casing together, cylindrical guide means independent of said casing and cover and supported on said bolt means in substantial coaxial relation with said bore, a piston head of smaller diameter than said bore mounted to reciprocate therein, and a piston head support member rigidly associated with said piston head in coaxial relation therewith and having sliding engagement with said guide means for supporting said piston head in substantial concentric relation with said bore.

2,363,585
ROLLING MILL
Christian E. Grosser, Cambridge, Mass., and Herman A. Bondeson, Providence, R. I., assignors to Standard Machinery Company, Cranston, R. I., a corporation of Rhode Island
Application November 23, 1940, Serial No. 366,864
18 Claims. (Cl. 80—32)



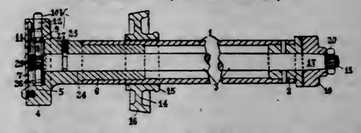
1. The method of rolling stock in a tandem rolling mill which comprises driving each set of reduction rolls with a predetermined constant torque and permitting the speed of said reduction rolls to vary to automatically adjust itself to the speed of the stock.

2,363,586
FLEXIBLE TUBE COUPLING
Stephen Guarnaschelli, Mount Vernon, N. Y., assignor to Packless Metal Products Corporation, New Rochelle, N. Y., a corporation of New York
Application April 17, 1943, Serial No. 483,367
4 Claims. (Cl. 285—72)



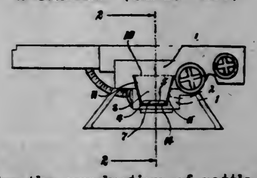
1. In a coupling for a flexible corrugated metallic tube, the end of the tube being longitudinally compressed and having a flat transverse surface, and a coupling member secured on the tube at the rear of the compressed portion thereof, a second coupling member having a flat transverse surface with an annular rib projecting therefrom onto the flat surface at the end of the tube and adapted to indent said surface and be embedded in the compressed portion of the tube when the coupling members are drawn toward each other.

2,363,587
INTERNAL GAUGE FOR BORES
Walter Hardware, Peterborough, England
Application August 3, 1943, Serial No. 497,233
In Great Britain August 4, 1942
7 Claims. (Cl. 33—178)



1. An internal gauge for bores, comprising a tube, a spindle mounted within the tube and coaxial therewith, said tube and spindle being capable of relative rotary movement, a gauging head mounted upon the tube at one end thereof, said head having three spaced plain radial holes, feeler pins mounted in said holes, one of said pins being radially adjustable for gauging purposes, the other pins being fixed relatively to said adjustable pin, a pin operating element mounted on the spindle to be rotatable therewith, said element comprising a snail cam engaging the adjustable feeler pin, and a laterally adjacent cylindrical portion engaging the relatively fixed pins.

2,363,588
TOY
Erwin Herz, New York, N. Y.
Application June 4, 1943, Serial No. 489,594
2 Claims. (Cl. 46—189)



1. Toy for the production of rattle noises and particularly toy machine gun comprising a toy body, at least one wall of flexible material constituting the said toy body, a plurality of inci-

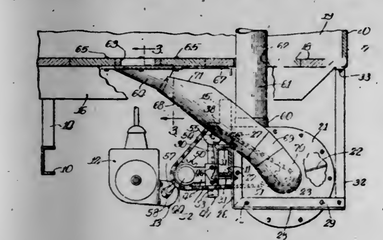
sions in the said wall located in such a manner as to sever from the said wall a substantially trapezoidal tongue, but leaving the said tongue at its base united with the said wall, the tongue thereby freely extending through the trapezoidal aperture formed in the said wall by the incisions, the said tongue being terminated before it abuts against the opposite edge of the said orifice, whereby a slot is created between the free end of the tongue and the said wall and a strip of undulated flexible material adapted to be pulled through the said slot.

2,363,589

GRAIN BLOWER ATTACHMENT

John Holland-Letz, Crown Point, Ind., assignor to The Letz Manufacturing Company, a corporation of Indiana

Application June 25, 1943, Serial No. 492,327
6 Claims. (Cl. 214—83)



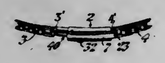
1. In combination with an automotive truck having a material container supported thereon, and a power take-off mechanism associated therewith, a material elevator blower supported on said truck communicating with said container and operatively driven by said power take-off mechanism for unloading the material from said truck, and a discharge conduit connected with said blower, said conduit and blower located within the outer boundaries of said container.

2,363,590

CLASP OR CONNECTOR FOR WATCH BRACELETS OR THE LIKE

Frederick E. Holmquist, Providence, R. I., assignor to Kestenman Bros. Mfg. Co., Providence, R. I., a corporation of Rhode Island

Application October 23, 1943, Serial No. 507,415
9 Claims. (Cl. 24—71)



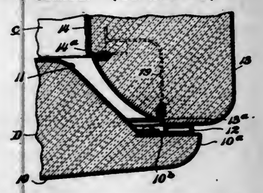
1. A clasp or connector for wrist-watch bracelets or the like comprising a plurality of articulated sections foldable into overlying nested relationship, an extension member slidable in one of said sections, cooperating ratchet-means on the extension member and one of said foldable sections for holding the extension member in different positions of adjustment in the clasp, said ratchet-means being releasable manually to permit the extension member to be withdrawn from the clasp, a longitudinally-extending latching ledge on the extension member, and a resilient finger on one of the foldable sections formed with a hook engageable with the ledge on the extension member when the latter is slid into the clasp to lock the foldable sections thereof in overlying nested relationship.

2,363,591

REFRIGERATOR CABINET CONSTRUCTION

Wallace Ray Howard, Connersville, Ind., assignor to Rex Manufacturing Co., Inc., Connersville, Ind.

Application June 17, 1940, Serial No. 341,040
1 Claim. (Cl. 220—9)



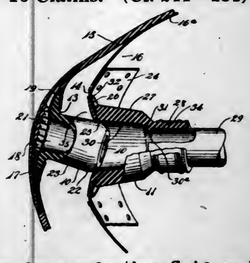
A cabinet construction comprising spaced apart walls having their marginal edges flanged to extend toward each other and converging inwardly with respect to each other, means for supporting said walls in fixed position and a breaker strip having a flexible main body portion provided with slots along the longitudinal edges thereof, said breaker strip being tensioned in an arc to permit the edges of the flanges to be inserted into the slots of said breaker strip and said breaker strip when so attached to the flanges remaining in a state of tension in an arc and projecting outwardly from said flanges.

2,363,592

SEPARABLE CONNECTOR

Willson H. Hunter, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

Application January 20, 1943, Serial No. 472,972
16 Claims. (Cl. 244—134)



1. A plug for conducting fluid and for separably engaging a socket, said plug comprising a body having a fluid conduit therein and including an outwardly bulged, elastic portion of greater wall thickness than adjacent portions of said body for elastically engaging in said socket in sealing relation therewith.

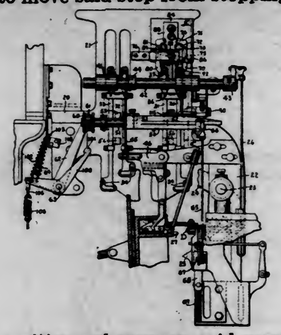
2,363,593

BOBBIN SELECTOR FOR WEFT REPLENISHING LOOMS

Victor H. Jennings, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts

Application June 9, 1943, Serial No. 490,155
15 Claims. (Cl. 139—232)

1. In a weft replenishing loom having a pair of bobbin releasers and a selector movable into register with either of said releasers, one at a time, means tending to move said selector into register with one of said releasers, a stop for said selector which when in stopping position causes said means to register said selector with the other releaser, and means operated by one of the releasers to move said stop from stopping to non-



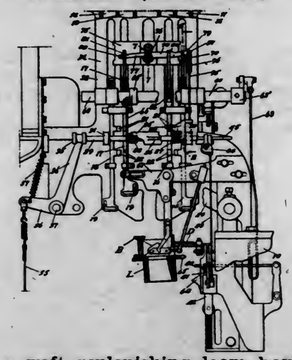
stopping position, whereupon said means moves the selector from register when said other to said one releaser.

2,363,594

REPEATER FOR WEFT REPLENISHING LOOMS

Victor H. Jennings, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts

Application January 29, 1944, Serial No. 520,263
20 Claims. (Cl. 139—232)



1. In a weft replenishing loom having three stacks of bobbins each provided with a bobbin releaser operated by a selector movable to register with the releasers, one at a time, the loom having actuating means to move the selector away from registry with any releaser and subsequently return said selector to registry with one or another of the releasers, a stepped stop capable of assuming three positions in each of which said stop registers the selector with a different releaser, and a controller for said stop moved to three different positions by said releasers operating one at a time and when in each position thereof cooperating with said actuating means to effect movement of the stop to a different one of the three positions thereof.

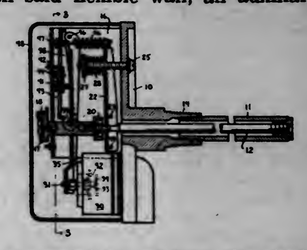
2,363,595

CONDITION RESPONSIVE DEVICE

Frederick D. Joesting, Chicago, Ill., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application February 3, 1941, Serial No. 377,112
8 Claims. (Cl. 236—86)

1. In a temperature responsive device for controlling the pressure in a control line, a rod and tube thermostatic element, a valve unit including a flexible wall subject on one side to control line pressure and also including means for positioning a three way valve positioned by said flexible wall for controlling the pressure in the control line, a pivoted primary lever positioned by said thermostatic element, a pivoted secondary lever movable with said flexible wall, an auxiliary lever



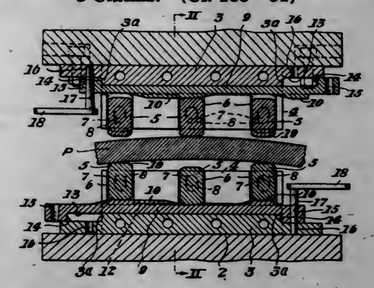
pivoted at a point spaced from the pivot of said secondary lever, said auxiliary lever being disposed generally parallel with respect to said secondary lever, a spring between said primary and auxiliary levers, and a connection between said secondary and auxiliary levers adjustable lengthwise thereof for adjusting the temperature differential necessary to vary the control line pressure through its operating range.

2,363,596

DIE FOR PUNCH PRESSES AND THE LIKE

Henry John, Sharon, Pa., assignor to Carnegie-Illinois Steel Corporation, a corporation of New Jersey

Application May 25, 1942, Serial No. 444,436
3 Claims. (Cl. 153—51)



1. Apparatus for straightening metallic plates and the like, including a pair of opposed dies, a plurality of spaced apart movable block-like members carried by each of said dies with each of said block-like members being positioned directly opposite a block-like member in the opposed die, said block-like members of each of said dies in one position adapted to project beyond the other block-like members and the remaining portions of the die and in another position adapted to assume a retracted position inwardly from the remaining portions thereof with the block-like members of one of said dies adapted to assume their retracted positions when the directly opposed block-like members of the opposed die assume their projected positions, at least one of said block-like members of each of said dies adapted to assume a retracted position when the other block-like members assume their projected positions, means carried by each of said dies for guiding the respective block-like members carried thereby in their movement to their

retracted and projected positions, a plate-like member carried by each of said dies and arranged rearwardly of said block-like members, and a plurality of spaced apart cam portions carried by each of said plate-like members which are adapted to cooperate with said block-like members, said block-like members adapted to assume normally a retracted position and said plate-like member upon movement thereof adapted to move said block-like members by a camming action of the cam carried thereby to their projected positions.

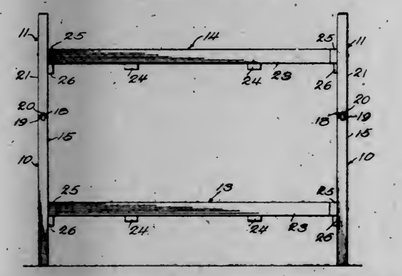
2,363,597
PACKING COMPOSITIONS
Charles Leon Jones, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 12, 1942, Serial No. 446,839
3 Claims. (Cl. 252—29)

1. As a new article of manufacture, a compacted packing and lubricating mass composed of a uniform mixture essentially comprising asbestos fibers and particles of graphite of colloidal dimension, said mass characterized by being inert to oxidizing and nitrating action and the graphite being present in amount from about 5% to about 50% of the dry weight of the asbestos.

2,363,598
VULCANIZATION OF RUBBER
Paul C. Jones and Roger A. Mathes, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application February 8, 1939, Serial No. 255,359
1 Claim. (Cl. 260—302)

The 2,4-dinitrophenyl ester of 2-mercaptothiazoline.

2,363,599
TWO-DECKER BED
Ervin F. Kurth, United States Army, Washington, D. C., and Eugene Le Roy Briggs, High Point, N. C.
Application July 9, 1942, Serial No. 450,314
2 Claims. (Cl. 5—8)



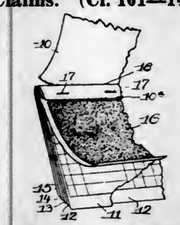
1. In a double deck bed, the combination of a lower bed having head and foot sections of uniform height and having upwardly projecting corner-posts on each section, said sections each including a board-like member connecting and projecting above the corner posts, and an upper bed having end sections including corner posts substantially shorter than the posts of the lower bed and having transversely slotted feet, the posts of the upper bed resting on the posts of the lower bed with the projecting member entering the slots, all the head and foot sections having detachable connecting means at uniform distances from the lower ends of their corner posts, said board-like members forming headboards for the beds, whereby the beds are capable of being reassembled as separate beds, each having a high head section and a low foot section.

2,363,600
AVIGATION SYSTEM
Reed C. Lawlor, Pasadena, Calif.
Application November 16, 1940, Serial No. 365,981
15 Claims. (Cl. 33—46.5)



8. In a drift indicator for aircraft, means for producing in an image area superposed streaked images of portions of the earth successively traversed by an aircraft in flight, each image being of diminishing intensity, and means for measuring the angle formed between some of the streaks and a datum line in the image area.

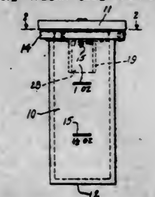
2,363,601
DUPLICATING PAD OR PACK
Edward Z. Lewis, Evanston, Ill., assignor to General Manifold & Printing Co., a corporation of Pennsylvania
Application September 27, 1941, Serial No. 412,631
15 Claims. (Cl. 101—149.2)



1. A duplicating pack comprising printed forms each having one edge thereof folded over and secured to the remaining forms with the corresponding guide lines on each form displaced a different distance from one edge thereof so that all of said lines are out of registration, and a sheet of hectograph transfer material positioned between the upper form and the remaining forms whereby after superimposing said printed forms over said transfer sheet, one at a time, and writing thereon, a reverse impression is made on the back of each form by an unused area of said transfer material.

2,363,602
LIQUID MEASURER
Maurice A. Lichten, West Orange, N. J.
Application January 4, 1943, Serial No. 471,257
2 Claims. (Cl. 222—356)

1. A liquid measurer of the type described comprising a container having an open end and adapted to receive a given quantity of liquid from a supply thereof, a cover adapted to close the open end of the container, a strand carried by the cover for supporting the container and for use in lowering the container to the supply, and a tubular portion integral with the cover adapted for the



winding of the strand thereon and the positioning of the wound strand in the container when the cover closes the open end of the container.

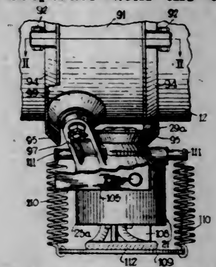
2,363,603
WELL PUMP
John E. Lucas, Oklahoma City, Okla.
Application February 3, 1944, Serial No. 520,989
2 Claims. (Cl. 103—179)



1. In pumping apparatus, the combination with a pump unit adapted to be positioned in a well, packer means adapted to form a seal between the unit and the well walls, and with a pump actuating sucker rod string extending from the earth's surface downwardly through the packer means to the pump unit, of: a head above the packer having openings for discharging pumped fluid from the pump unit into the well; an annular valve seat in said head below said openings; a downwardly closing valve surrounding a section of the rod string and adapted to close upon said seat; a tubing string surrounding said rod string and extending from said head to the earth's surface; and packing in said head around said rod section above said openings for preventing entry of said fluid into the tubing string.

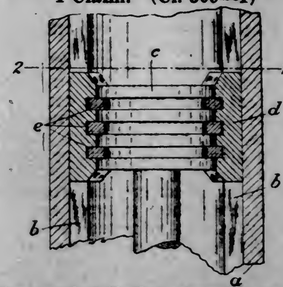
2,363,604
POWER DRIVE MOUNTING APPARATUS
Joseph C. McCune, Edgewood, and George K. Newell, near Pitcairn, Pa., assignors to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Original application September 27, 1941, Serial No. 412,658. Divided and this application November 21, 1942, Serial No. 466,430
6 Claims. (Cl. 105—118)

1. Apparatus for supporting a device, having a driving wheel, so as to cause said driving wheel to be driven by rotation of a rotary shaft, said apparatus comprising means secured to said shaft and providing a pair of spaced flanges having frusto-conical surfaces facing in opposite directions, and a plurality of idler wheels rotatably carried by the casing of the device and adapted to cooperate with the driving wheel



of the device in supporting the device in suspended relation from the said two spaced flanges beneath said rotary element, the driving wheel frictionally engaging the surface on one of said flanges.

2,363,605
PISTON AND CYLINDER CONSTRUCTION
John McLintock, Mount Vernon, Glasgow, Scotland
Application June 11, 1943, Serial No. 490,538
In Great Britain July 27, 1942
1 Claim. (Cl. 309—1)

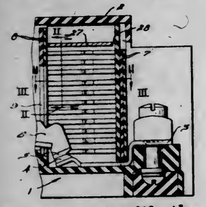


A piston and cylinder assembly embodying a cylinder having at least one longitudinally or axially extending recess in the cylindrical wall thereof, a piston with piston rings working in said cylinder, bearing shoes, corresponding in number to the number of recesses in the cylindrical wall, carried by said piston and each fitting into a recess, each shoe extending at least the length of the piston and bearing throughout its length on all faces of the recess into which it fits, and each having circumferential recesses into which the piston rings fit to lock same to the piston.

2,363,606
ARC SUPPRESSOR
Olav Maseng, Detroit, Mich., assignor to Square D Company, Detroit, Mich., a corporation of Michigan
Application March 23, 1942, Serial No. 435,799
7 Claims. (Cl. 200—144)

1. An arc suppressor for an electric circuit breaker having a stationary contact and a movable contact cooperating therewith, comprising a plurality of insulating plates disposed in pairs spaced on opposite sides of the path of movement of the movable contact with the plates in each pair having their planes aligned, and with the planes of the pairs spaced apart along the

line of the path of movement of the movable contact, said plates having straight portions parallel to their longitudinal axes and portions projecting therefrom with abrupt and inclined edges, the inclined edge of one plane in each pair being disposed in parallel spaced relation to the inclined edge of the other plate of the pair to



form a passageway and with the straight portions and the abrupt edges of the projections forming a pair of spaced chambers connected by the passageway between the inclined edges of the plates, the plates being disposed with the movable contact movable through one series of said chambers disposed in superposed relation.

2,363,607

AMINOALKYL SULPHIDE-ALDEHYDE REACTION PRODUCT

Roger A. Mathes, Akron, and Paul C. Jones, Silver Lake, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application February 2, 1942, Serial No. 429,279

11 Claims. (Cl. 260—72)

10. A composition of matter comprising the reaction product of an aldehyde with an aminoalkyl sulphide containing no more than four sulphur atoms, and no more than three carbon atoms in the alkyl chain between the sulphur and nitrogen atoms, in which the alkyl chain contains no substituent groups other than hydrogen and hydrocarbon groups, and in which the sulphide group is attached to at least one such aminoalkyl group and to no other group except hydrogen.

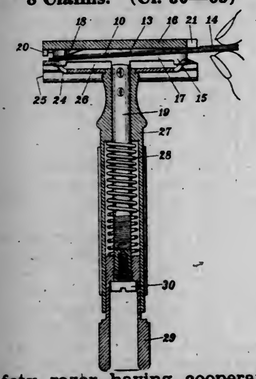
2,363,608

SAFETY RAZOR

Joseph Muros, Cambridge, Mass., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware

Application January 21, 1944, Serial No. 519,213

8 Claims. (Cl. 30—65)



2. A safety razor having cooperating blade-clamping members, a blade-locating rib extending from one toward the other, and a detent fixed to one of the blade-clamping members near one end of the rib with an inclined blade-engaging face where it may first contact the surface and then enter a flexible apertured blade presented endwise between said blade-clamping members.

2,363,609

SAFETY RAZOR

Joseph Muros, Cambridge, Mass., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware

Application March 3, 1944, Serial No. 524,944

3 Claims. (Cl. 30—65)



1. The combination of a razor having cooperating blade-clamping members shaped to flex transversely a thin blade interposed between them and conformed in complementary longitudinal curvature, with an open-end flexible blade flexed between said members and thereby drawn together at its open end.

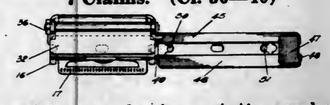
2,363,610

MAGAZINE SAFETY RAZOR

Joseph Muros, Cambridge, Mass., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware

Original application August 13, 1940, Serial No. 352,388. Divided and this application March 22, 1944, Serial No. 527,541

7 Claims. (Cl. 30—40)



1. A safety razor having a stationary head with blade hooks therein, a spring controlled frame pivotally mounted in the head and having an operating member for swinging the frame against spring pressure, said member extending transversely through the hook-supporting portion of the head, a blade holder carried by the frame, and a magazine having a forked arm arranged to be inserted between the head and frame to release a blade and shaped to straddle said operating member.

2,363,611

INERTIA OPERATED CONTROL DEVICE

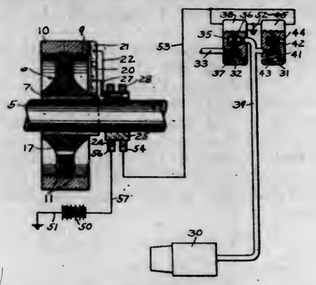
George K. Newell, near Pitcairn, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Original application April 20, 1940, Serial No. 330,805. Divided and this application February 3, 1942, Serial No. 429,384

10 Claims. (Cl. 200—52)

1. An inertia operated device comprising, in combination, a rotatable member subject to rapid changes in the rotational speed thereof, a body having a pronounced inertia characteristic, a resilient deformable means supporting said body on said member and arranged to rotate said body and member together and effective to permit

said body to move rotatively relative to said member upon sudden changes in speed of rota-



tion of said member, and a control mechanism governed by the relative rotative movement between said body and member.

2,363,612

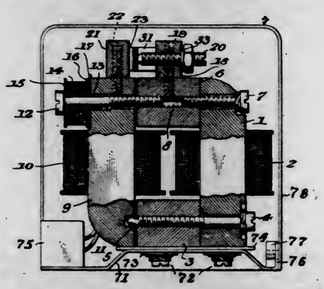
ELECTRIC REGULATOR

Frederick Newton, Derby, England, assignor to Newton Brothers (Derby) Limited, Derby, England

Application December 17, 1941, Serial No. 423,387

In Great Britain January 14, 1941

12 Claims. (Cl. 201—51)



1. An electric regulator comprising a carbon pile, an electromagnet having two relatively movable parts displaceable by electromagnetic action, to urge the relatively movable parts apart against the action of the magnet, two leaf spring components each formed of inclined arms, said components being positioned with the inner angles between said arms facing each other and the ends of the arms of one in contact with the ends of the arms of the other, means on one part of the electromagnet engaging one spring component between its arm ends, and means on the other part of the electromagnet engaging the other spring component between its arm ends, said spring components being operative to urge the said movable parts apart against the action of the magnet.

2,363,613

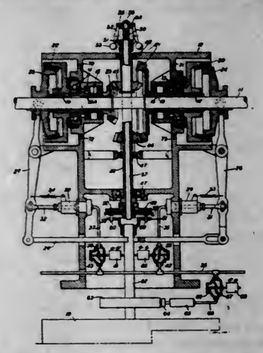
GEAR DRIVING MEANS FOR CENTRIFUGAL MACHINES

Charles A. Olcott, West Milford, N. J.

Application December 3, 1943, Serial No. 512,683

4 Claims. (Cl. 192—3.5)

4. In an upright centrifugal machine having a vertical shaft, a main horizontal shaft for driving said machine, the axis of said main shaft being in a vertical plane which is displaced from the vertical plane containing the axis of said machine, a driving mechanism constructed and arranged to drive the machine from said horizontal shaft at both a high speed and a low speed, said mechanism including two sleeves surrounding said main shaft, two gears of different sizes respectively mounted on said sleeves, a tubular vertical shaft having the same axis as said machine and crossing said main axis, two gears mounted on said tubular shaft and constantly



meshing respectively with the gears on said sleeves, means for connecting said tubular shaft to the shaft of said machine and means for selectively causing said sleeves to rotate with said main shaft, and centrifugally operated means driven by said tubular shaft and located above said main shaft for disconnecting said tubular shaft from said machine when the speed of said tubular shaft exceeds a predetermined limit.

2,363,614

POLYSULPHIDE COPOLYMERS

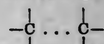
Joseph C. Patrick, Morrisville, Pa., assignor to Thiokol Corporation, Trenton, N. J., a corporation of Delaware

Application April 12, 1939, Serial No. 267,389

35 Claims. (Cl. 260—79)



30. A copolymer which is substantially a chemical combination of a polymer of the unit $[RS_{1\text{ to }6}]$ and a polymer of the unit $[R'S_{1\text{ to }6}]$, R and R' being radicals having skeleton structure selected from the groups



(representing carbon atoms separated by intervening structure) and



(representing adjacent carbon atoms), S being a sulphur atom and R and R' having different specific structure.

2,363,615

POLYSULPHIDE COPOLYMER

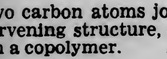
Joseph C. Patrick, Morrisville, Pa., assignor to Thiokol Corporation, Trenton, N. J., a corporation of Delaware

No Drawing. Application June 6, 1940, Serial No. 339,075

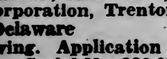
8 Claims. (Cl. 260—42)

1. The process which comprises reacting a sub-

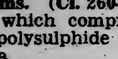
stance which is substantially a polymer of the unit



where R is selected from the group consisting of a hydrogen atom, an alkyl radical, an aralkyl radical and an aryl radical, and S is a sulphur atom, with a substance which is substantially a polymer of the unit



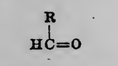
where



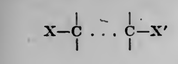
represents two carbon atoms joined to and separated by intervening structure, and S is a sulphur atom, to form a copolymer.

2,363,616
ALDEHYDE COPOLYMER
Joseph C. Patrick, Morrisville, Pa., assignor to Thiokol Corporation, Trenton, N. J., a corporation of Delaware
No Drawing. Application June 6, 1940, Serial No. 339,076
8 Claims. (Cl. 260—42)

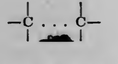
1. The process which comprises reacting an alkaline metallic polysulphide with a substance having the formula



where R is selected from the group consisting of a hydrogen atom, an alkyl radical, an aralkyl radical and an aryl radical, to form a first polymer, reacting an alkaline polysulphide with a compound having the formula



where



represents carbon atoms joined to and separated by intervening structure and X and X′ are substituents split off during the reaction, to form a second polymer, and reacting the first and second polymers to form a copolymer.

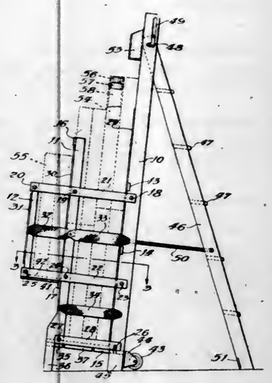
2,363,617
BUTADIENE POLYMER COMPOSITION
Joseph C. Patrick, Morrisville, Pa., assignor to Thiokol Corporation, Trenton, N. J., a corporation of Delaware
No Drawing. Application October 16, 1941, Serial No. 415,215
4 Claims. (Cl. 260—36)

1. A composition of matter comprising a copolymer of butadiene with a substance selected from the group consisting of acrylic nitrile and styrene, incorporated with a plasticizer selected from the group consisting of polyglycol halides and polyglycol esters of lower fatty acids, the amount of said plasticizer being sufficient to produce tackiness.

2,363,618
BUTADIENE POLYMER COMPOSITION
Joseph C. Patrick, Morrisville, Pa., assignor to Thiokol Corporation, Trenton, N. J., a corporation of Delaware
No Drawing. Application October 16, 1941, Serial No. 415,216
3 Claims. (Cl. 260—36)

1. A composition of matter comprising a lower fatty acid ester of a polythioglycol incorporated with a copolymer of butadiene and a substance selected from the group consisting of acrylic nitrile and styrene, the amount of said polythioglycol being sufficient to produce tackiness in said composition.

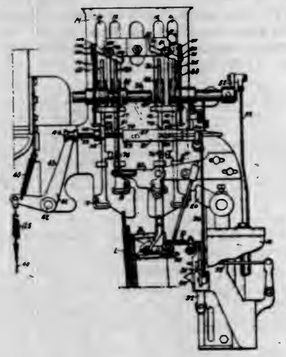
2,363,619
CARRIER
Miguel G. Prieto, Chicago, Ill.
Application November 20, 1942, Serial No. 466,361
5 Claims. (Cl. 280—30)



1. A mobile container of the class described comprising a rigid substantially flat elongated bed portion defining the rear side wall of the container, and a collapsible and extensible superstructure carried thereon to form a receptacle therewith, said superstructure including at least one frame portion of equal width to and extending in parallel spaced relation to said bed and in pivoted linked engagement therewith and a collapsible bottom adapted to extend perpendicularly to and between said bed and parallel frame portion, said bed portion and adjacent parallel frame portion terminating in foot portions for supporting the container in a generally upright and in extended condition, the bed foot portions comprising wheels mounted in association therewith and extending laterally and rearwardly of said bed portion for transporting the container.

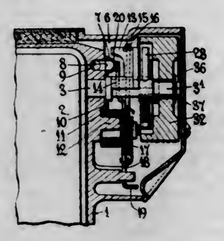
2,363,620
WEFT REPLENISHING LOOM
Walter A. Patterson, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application December 22, 1943, Serial No. 515,203
16 Claims. (Cl. 139—232)

1. In a bobbin releaser for a weft replenishing loom having a magazine setting member and a stack selector stop operating member, an element movably mounted on said releaser having a part for cooperation with the setting member and having a second part for cooperation with the



stop operating member, and resilient means carried by said releaser tending to move said parts toward positions for cooperation with their respective members.

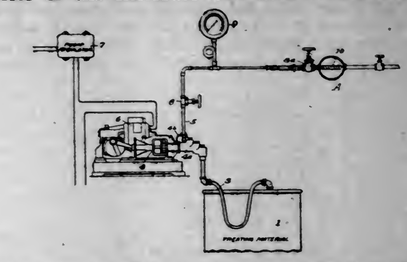
2,363,621
WINDSHIELD CLEANER
Anton Rappl, Buffalo, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application February 2, 1942, Serial No. 429,241
20 Claims. (Cl. 15—253)



2. In combination a fluid motor having an actuating shaft, a member operatively connected to the shaft for being oscillated thereby, means operable by the motor for reversing the fluid pressure applications to the moving part of the motor, and speed responsive means for advancing the time of reversing the pressure differential to shorten the stroke of the member and thereby prevent an overriding of the latter beyond the normal stroke.

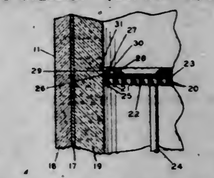
2,363,622
METHOD OF AND APPARATUS FOR TREATING BOILER WATER
Cyrus W. Rice, Pittsburgh, Pa.
Application June 10, 1942, Serial No. 446,428
7 Claims. (Cl. 210—29)

1. The herein described method of supplying treating material to boiler water that comprises delivering a measured charge of thick viscous treating material to a foraminous enclosure extending substantially across the full width of a boiler water conduit, maintaining a quantity of the material in the enclosure during a substantial time period, and during the said time period circulating water around and past the exterior of the enclosure and then to a boiler in



such manner as to produce a gradual washing of the treating material from the enclosure.

2,363,623
CATALYST CHAMBER
Wendell W. Roach, Kansas City, Mo., and Roy E. Vinyard, Borger, Tex., assignors to Phillips Petroleum Company, a corporation of Delaware
Application April 24, 1943, Serial No. 484,414
8 Claims. (Cl. 23—288)

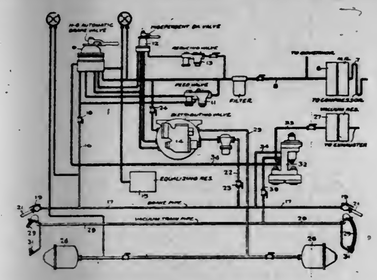


6. In a catalyst chamber having a substantially vertical cylindrical side wall, the inner surface of which is provided with a sheath of heat insulating material, the improvement comprising at least one perforate substantially circular grating positioned in the cylinder and vertically movable therein, said grating being spaced from the sheath of insulating material to form an annular clearance space therewith, and perforate means for forming a barrier above the clearance space to permit the flow of fluid material but to prevent the passage of solid material greater than a predetermined size therethrough, said means including a perforate member having an upper portion and a lower portion, said upper portion being imbedded in the sheath of insulating material and extending into the chamber a distance greater than the width of the clearance space, said lower portion extending downwardly of the upper portion and being spaced from the surface of the sheath of insulating material, and a second perforate member having a base portion carried by the grating and an upwardly extending portion projecting into the space between the surface of the sheath of insulating material and the downwardly extending portion of the first member.

2,363,624
AIR BRAKE
Henry Norton Sudduth, Watertown, N. Y., assignor to The New York Air Brake Company, a corporation of New Jersey
Application January 1, 1944, Serial No. 516,615
11 Claims. (Cl. 303—4)

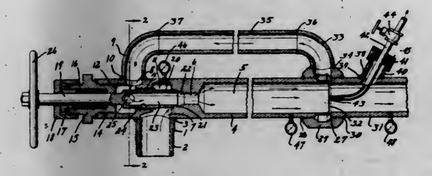
1. The combination of a normally charged brake pipe operating on the automatic principle; a normally evacuated train pipe operating on the vacuum principle; a normally closed application

valve for admitting air to the vacuum train pipe; a pressure motor for opening said valve; and a coordinating valve for admitting pressure fluid to said motor in response to a brake pipe pressure reduction and then exhausting said motor in response to a rise of vacuum train pipe pressure



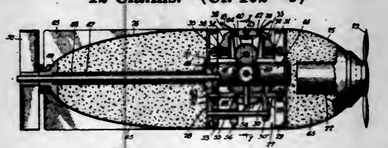
comprising a valve having alternative admission and exhaust positions, two movable actuating abutments therefor on which respectively brake pipe and vacuum train pipe pressures act to move the valve toward exhaust position; and means for biasing said valve toward admission position.

2,363,625
SAMPLING DEVICE
Judson S. Swearingen, Southton, Tex., assignor to J. Daviss Collett, Jr., Houston, Tex.
Application March 6, 1942, Serial No. 433,687
11 Claims. (Cl. 73—422)



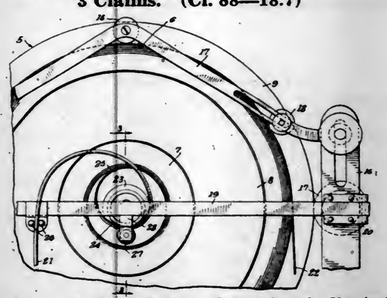
10. In a sampling device, a conduit, an orifice, in said conduit, an annular needle valve located adjacent the entrance to said orifice for forming with said orifice an annular jet of fluid flowing through said conduit into said orifice, a shaft carrying said needle valve, threadedly connected with a portion of said conduit, and projecting to the exterior of said conduit, a hand wheel on said shaft exteriorly of said conduit whereby said shaft may be rotated to adjust the position of said needle valve, said needle valve being hollow for a portion of the distance from the end thereof adjacent said orifice, means forming an annular chamber about said conduit at a position spaced downstream from said orifice, said chamber being in communication with the interior of said conduit substantially throughout its circumference, means connecting the interior of said chamber with the interior of said needle valve whereby the jetting action of fluid flowing through said conduit and about said needle valve into said orifice will cause fluid to be withdrawn from the conduit into said chamber and reinjected into the stream of fluid through the interior of said needle valve, and a sample withdrawing device extending into said conduit with its inlet at a position adjacent the region of communication between the conduit and annular chamber.

2,363,626
ART OF AERIAL WARFARE
George J. Uxmann, Rockville Centre, N. Y., assignor to Aerovox Corporation, New Bedford, Mass., a corporation of New York
Application August 14, 1941, Serial No. 406,794
12 Claims. (Cl. 102—9)



5. An anti-aircraft bomb comprising a shell having directional vanes, a turret built into said shell and having a sheave wheel thereon, a cable extending about said sheave wheel, a rotor at the rear of said bomb and a transmission between said rotor and said sheave wheel.

2,363,627
FILM DEVICE
Hendrik Van der Schalie, Ridgewood, N. J.
Application August 23, 1941, Serial No. 408,029
3 Claims. (Cl. 88—18.7)

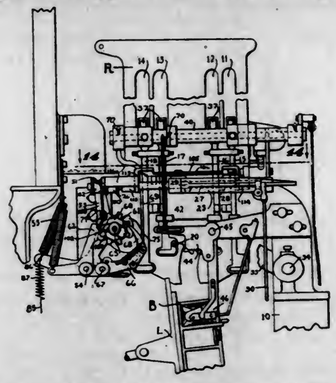


1. In a device of the character indicated, a horizontal rotatable turntable having an upstanding central core member, means for rotating said core member and turntable whereby a roll of film supported on edge on said turntable will be fed out from the core thereof and wound up on the outside thereof, a drag member closely spaced from said core member and forming with said core member a narrow passage for the single inner layer of the core of a film, guide means for forming an external film loop above the film roll, the core of the film being spaced from the core member, and said single inner film layer being normally fed by frictional contact with said core member from the film roll to said guide means and projector, whereby when said loop enlarges said inner layer of film from the core will tend to leave contact with said upstanding rotating core member and frictionally engage said drag member to frictionally hold back said inner film layer until said external loop is reduced and said inner film layer again makes contact with said upstanding core member.

2,363,628
FILLING MIXING WEFT REPLENISHING LOOM
Walter H. Wakefield, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application October 28, 1943, Serial No. 508,007
27 Claims. (Cl. 139—232)

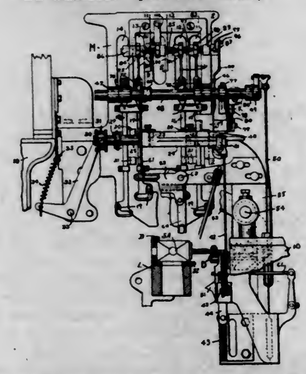
1. In a weft replenishing mechanism having two pairs of stacks of reserve bobbins and a

bobbin releaser for each stack operable by a selector movable to four different positions to register with the releasers, one at a time, a positioner operatively connected to said selector and moving first in one direction corresponding to one pair of stacks to move said selector toward the releasers of said one pair of stacks and then moving in the opposite direction corresponding



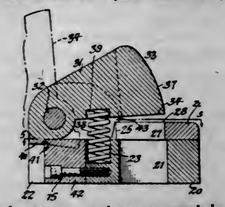
to the other pair of stacks to move said selector toward the releasers of said other pair of stacks, and means cooperating with said positioner, depending upon the direction in which the positioner moves, to cause said positioner to register the selector with the releasers, one at a time, of the pair of stacks corresponding to the direction in which said positioner moves.

2,363,629
REPEATER MECHANISM FOR WEFT REPLENISHING LOOMS
Walter H. Wakefield, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application February 5, 1944, Serial No. 521,206
14 Claims. (Cl. 139—232)



1. In a weft replenishing loom having a given plural number of stacks of reserve bobbins each provided with a bobbin releaser actuated by a selector movable into registry with the releasers one at a time, the loom having displacing means to move the selector away from registry with said releasers and also having return means to move the selector back into registry with one or another of said releasers, a stop for the selector having as many steps as there are stacks of reserve bobbins and capable of assuming as many different positions with respect to the selector as there are stacks, each position corresponding to registry of the selector with a different releaser, a crank rotatably mounted on the loom, means operative during a succession of weft replenishing operations of the loom to give the crank successive step by step angular movements to move the crank to different working positions, and connections between the crank and the stop cooperating with said displacing and return means to effect movement of the stop to the different positions thereof as the crank rotates and moves to the different working positions thereof, thereby causing the stop to effect register of the selector with the different releasers in rotation.

2,363,630
NOTCHING APPARATUS
George F. Wales, Kenmore, N. Y.
Application March 4, 1942, Serial No. 433,279
13 Claims. (Cl. 164—50)



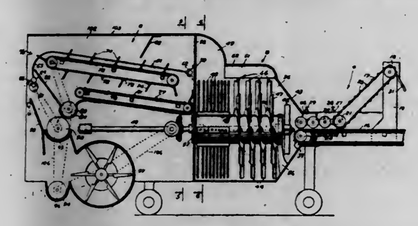
1. A notching apparatus comprising a base provided on its rear part with upwardly projecting lugs, a die plate mounted on the front part of said base and provided in its rear edge with a cutting notch, a punch arm arranged between said lugs and pivoted thereto and provided in front of its axis with a cutter blade adapted to cooperate with the cutting notch of said die plate and also provided in rear of its axis with a stop, and a stop block arranged between said lugs and detachably connected with said base and provided with a stop adapted to be engaged by the stop of said punch arm for limiting the separation of said arm and plate, said stop block when removed from said base providing the required clearance for the stop of the punch arm which permits the latter to be raised above the die plate a sufficient extent to permit of sharpening the cutter blade without removing the cutter arm and its blade from said lugs.

2,363,631
SUPPORTING BED FOR GLASS SHEETS
Emmett L. Walters, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application January 10, 1942, Serial No. 426,334
5 Claims. (Cl. 51—277)



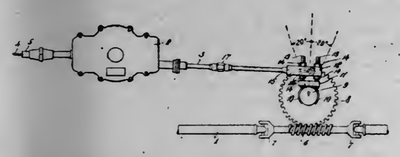
1. In apparatus for surfacing glass sheets or plates, a table for supporting the sheet to be surfaced, and a coating of fibrous material formed upon and adherent to the top of said table and forming a bed having a lower surface fitting the contour of the table top and a smooth level upper surface for receiving the glass sheet.

2,363,632
THRESHING MACHINE
Douglas E. Weaver, San Leandro, Calif.
Application December 10, 1941, Serial No. 422,340
10 Claims. (Cl. 130—27)



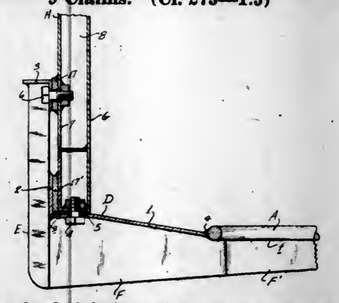
1. In a threshing mechanism, a flailing chamber closed all around its side, a series of rotating flailing and beating elements in said chamber, said chamber having an intake at one end thereof through which the material to be threshed is introduced substantially to a central portion of said rotating elements, and said chamber having an outlet at the other end thereof so related to the flailing and beating elements as to permit the ejection of the flailed material by the forces exerted by said flailing and beating elements, and a turbulence chamber formed at a side portion of the flailing chamber periphery and along several of said flailing elements so that said material is thrown into said turbulence chamber by the centrifugal force exerted by the rotating flailing elements, a longitudinal flailing wall in said tubulence chamber against which said material strikes and from which the material drops back to said flailing elements, the turbulence chamber being so formed that the air tubulence therein moves the material longitudinally of said chambers when thrown into the turbulence chamber, said longitudinal movement being at such rate as to permit the material to drop back to successive flailing members progressively upon repeated ejection into said turbulence chamber.

2,363,633
DRIVE FOR VALVE CUTOFF INDICATORS
Fay D. Welden, Tuckahoe, N. Y., assignor to Valve Pilot Corporation, New York, N. Y., a corporation of New York
Application July 29, 1941, Serial No. 404,497
2 Claims. (Cl. 116—114)



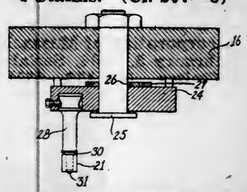
1. In a poppet valve steam engine, a rotary shaft for varying the cut-off, a cam box for converting into a single expression factors governing cut-off which produce the maximum result at different speeds, a longitudinally movable rod for actuating the cam box, an oscillatory shaft transverse to the rotary shaft, a block carried by the oscillatory shaft and pivotally connected to the rod, a worm on the rotary shaft and a worm wheel on the oscillatory shaft meshing with and driven by the worm.

2,363,634
BASKETBALL GOAL
Frank Albach and George R. Chervenka, St. Louis, Mo., assignors to Fred Medart Manufacturing Company, St. Louis, Mo., a corporation of Missouri
Application August 27, 1941, Serial No. 408,476
9 Claims. (Cl. 273—1.5)



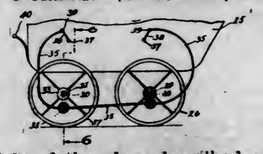
1. In a basket-ball goal, a net-supporting ring, a sheet-metal bank centrally arcuately recessed in its lower margin and at said recess having a lateral flange, a bracket comprising a plate fixed to the ring and transversely arched conformable with, and underlying the bank at, said recess, and bolts engaging the bank-flange and plate for securing the plate and bank together in approximate right-angular relation.

2,363,635
METHOD AND APPARATUS FOR FORMING TUBES BY EXTRUSION
Emile Blair, Dayton, Ohio, assignor to Standard Aircraft Products, Inc., a corporation of Delaware
Application April 13, 1942, Serial No. 438,764
4 Claims. (Cl. 207—3)



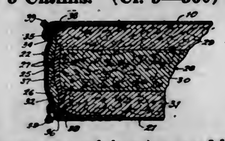
1. An apparatus for forming tubes by extrusion comprising a die provided in its upper portion with an opening to receive a cylindrical blank having an axial aperture and provided in its lower portion with a small diameter extruding opening, a vertically reciprocatory punch adapted to enter said blank receiving opening and subject a blank therein to impact pressure to heat the same and extrude the major portion thereof through said extruding opening, leaving a small residue of said blank in said die, and operable means for moving a blank to a position in alinement with the blank receiving opening of said die after each withdrawal of said punch therefrom, whereby upon each succeeding operative movement of said punch a succeeding blank will be moved into contact with the residue of a preceding blank and subjected to impact pressure to extrude said residue and the major portion of said succeeding blank, said punch having a downwardly projecting part of a diameter less than the diameter of said extruding opening and adapted to extend through the aperture in the blank into said extruding opening and convert the latter into an annular orifice, said projecting part being of a length greater than the length of said succeeding blank and having a tapered end portion to enter said extruding opening and provide a relatively wide annular orifice during the extrusion of said residue.

2,363,636
VEHICLE
Arthur Bloch, Jamaica, and George R. Arons, New York, N. Y.
Application February 10, 1942, Serial No. 430,186
5 Claims. (Cl. 280—29)



1. A vehicle of the class described comprising a rear journal, at least one wheel rotatably mounted on said rear journal, a front journal, at least one wheel rotatably mounted on said front journal, at least one guiding arm connected with said front journal, at least one guiding arm connected with said rear journal, said first guiding arm being shorter than said second guiding arm, at least one connecting rod connecting said two guiding arms, said connecting rod being pivotally secured to said guiding arms and disposed in a position upwardly inclined from its rear connection toward its front connection and means for applying a pushing force in the direction of the axis of said connecting rod.

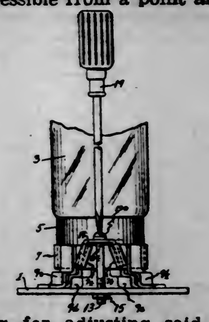
2,363,637
MATTRESS AND METHOD OF MAKING THE SAME
Harry Bows, Los Angeles, and Attilio Iannessa, Inglewood, Calif., assignors to S. Karpen & Bros., Chicago, Ill., a corporation of Illinois
Application August 14, 1942, Serial No. 454,798
5 Claims. (Cl. 5—360)



1. A mattress comprising top and bottom sheets of fabric ticking, a strip of sheet material secured along a circumferential portion of each of the sheets of ticking, a border band secured at its upper and lower edges to said strips to form a boxing unit, filling material within said unit, means for forming the border band and the strips secured thereto into edge rolls at the corner portions of the unit, the peripheral portions of the sheets of ticking extending to at least a portion of said edge rolls, and means for securing the peripheral portions of the sheets in position over at least a portion of said edge rolls.

2,363,638
CLAMP
Harlin A. Breisford, Haddon Heights, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application October 30, 1943, Serial No. 508,423
4 Claims. (Cl. 248—346)

1. Apparatus of the type described comprising, in combination, a base, a clamping member comprising a flexible strip adapted to be supported on said base and to be circumferentially disposed about the object to be clamped, cam means operatively connecting the ends of said flexible strip, and means extending in a direction perpendicular to said base between said ends of said flexible strip and accessible from a point along the said perpendicular for adjusting said cam means, whereby to apply a clamping force to said object through said flexible strip.



2,363,639
LIFE PRESERVER
Frederick Lee Brown, Greenfield, Ohio, assignor to The American Pad & Textile Company, Greenfield, Ohio, a corporation of Ohio
Application January 1, 1942, Serial No. 425,280
8 Claims. (Cl. 9—20)



1. In a life preserving vest, inner and outer flexible coverings forming a back section and two front sections joined together at the shoulders and at the sides and provided with armhole openings, buoyant material confined between the coverings by lines of stitching, a stitching between the front and shoulder sections, and means between the front and shoulder sections for securing the vest to the body, the aggregate displacement of the buoyant material in the front sections and shoulder sections being more than twice the displacement of the buoyant material in the back section.

2,363,640
LIFE PRESERVER
Frederick Lee Brown, Greenfield, Ohio, assignor to The American Pad & Textile Company, Greenfield, Ohio, a corporation of Ohio
Application August 7, 1943, Serial No. 497,745
5 Claims. (Cl. 9—17)

1. A life preserver tailored to be worn as a vest comprising two buoyant front sections divided into vertically spaced buoyant portions secured with respect to each other by fabric and adapted to fold into overlapping contact with each other when submerged in water, a reinforcing element interconnecting the tops of the front sections across the back of the wearer, a pair of buoyant back sections supported below said rein-

forcing element, said buoyant sections defining therebetween a vertical slit terminating adjacent to and below the reinforcing element whereby a hook inserted between said buoyant elements



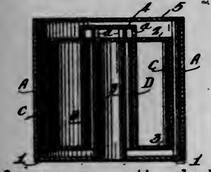
is directed upwardly toward said reinforcing element, and means for securing the back section against the wearer's body at approximately the waist including an element drawing the front sections inwardly between the upper and lower portions.

2,363,641

LOW LOSS TUNING APPARATUS

Wendell L. Carlson, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application April 1, 1942, Serial No. 437,134
5 Claims. (Cl. 178—44)



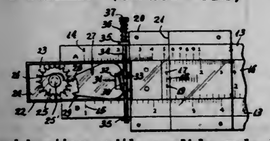
2. A high frequency reactive device comprising a pair of series connected outer and inner conductors mounted in spaced coaxial relation, a second pair of series connected inner and outer conductors mounted in spaced coaxial relation in the space between the inner and outer conductors of said first pair, and means connecting the inner conductor of said first mentioned pair to the outer conductor of said second mentioned pair.

2,363,642

DECIMAL POINT INDICATING MECHANISM FOR SLIDE RULE COMPUTATIONS

Michael Cherney, New York, N. Y.

Application May 20, 1944, Serial No. 536,445
8 Claims. (Cl. 235—64.3)



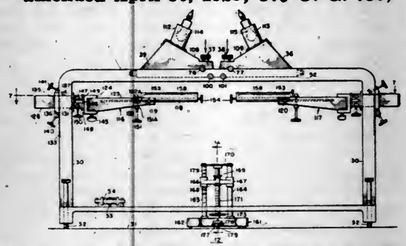
1. In combination with a slide rule having a stock with scales, a slide with scales having end indexes, and a runner with a hair line, a casing mounted on said slide and provided with an arcuate digit scale, a ratchet wheel rotatively mounted in said casing concentric of said digit scale and having an indicator for moving along said digit scale, a two prong pawl slidably mounted in said casing for turning said ratchet in one direction when tilted above a neutral position and in the other direction when tilted below said neutral position and having an operator finger projecting through an opening in said casing, resilient means for urging said pawl rearwards, an abutment for engaging said finger for moving said pawl against said ratchet wheel to turn same when an end index of said slide is aligned with the hair line of said runner and said abutment being adjustably mounted on said runner for engaging one edge or the other edge of said finger for tilting said pawl above or below said neutral position to control the direction of turning of said ratchet.

2,363,643

STEREOSCOPIC PLOTTING INSTRUMENT

Charles O. Cook, Takoma Park, Md.

Application March 28, 1942, Serial No. 436,697
7 Claims. (Cl. 88—29)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A plotting instrument comprising a frame adapted to be supported on a horizontal mapping surface, tables supported by said frame for mounting stereoscopic pictures, means for tipping, tilting, and moving in three coordinate directions each of said tables with respect to said frame, a single reference mark below said tables movable over said mapping surface, and an optical system for viewing said pictures stereoscopically and for simultaneously viewing said reference mark.

2,363,644

OIL WELL CASING PUMP

Hubert D. Collins, Tulsa, Okla., assignor to Lamtex Equipment Corporation, Fort Worth, Tex., a corporation of Texas.

Application December 4, 1942, Serial No. 467,846
10 Claims. (Cl. 103—221)



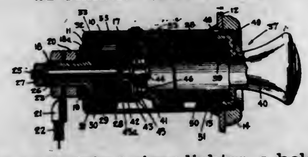
1. An expansible packer for an oil well casing pump, adapted to be packed by a tapered mandrel into sealing contact with a surrounding well casing, comprising an annular body of elastic material having its outer surface tapering inwardly from its middle portion to its top so as to be packed by the mandrel adjacent its middle portion and to strip itself away from the casing when the mandrel is withdrawn.

2,363,645

CIGAR LIGHTER

Russell D. Conboy, Waterbury, Conn., assignor to Automatic Devices Corporation, Bridgeport, Conn., a corporation of Connecticut

Application July 8, 1938, Serial No. 218,074
21 Claims. (Cl. 219—32)



19. In an electrical cigar lighter, a holding device; an igniting unit including a heating element movably mounted on the holding device; an electromagnet; and an energizing circuit for said heating element and electromagnet energized by manual movement of the igniting unit to a closed-circuit position on said holding device, said electromagnet when energized by movement of the igniting unit to the said closed-circuit position acting directly upon and holding the unit in said position by magnetic attraction until the heating element thereof has reached a predetermined temperature.

2,363,646

HIDE TREATMENT

Victor Conquest, Chicago, and Havard L. Keil, Clarendon Hills, Ill., assignors to Armour and Company, Chicago, Ill., a corporation of Illinois

No Drawing. Application May 8, 1941, Serial No. 392,520
12 Claims. (Cl. 195—6)

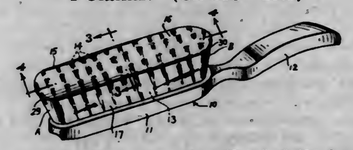
11. A process for recovering hair from hides containing the same, comprising subjecting said hides to a treatment with papain in the presence of water and at a temperature at which said enzyme is active, whereby said hide is conditioned for disintegration, and thereafter heating said conditioned material with steam and under a pressure of from 5 to 20 pounds per square inch, whereby said hide is disintegrated and brought into solution in said water, and separating said solution containing said disintegrated hide from the hair material.

2,363,647

HAIRBRUSH COVER

Joseph J. Cosin, Brooklyn, N. Y., assignor to Hughes-Autograf Brush Company, Inc., New York, N. Y., a corporation of New York

Application September 2, 1942, Serial No. 457,090
4 Claims. (Cl. 206—15.1)



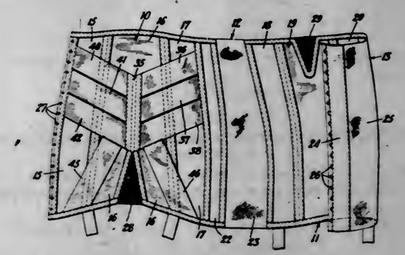
1. A protective cover for the bristle body of a hair brush or the like comprising a single blank suitably shaped to provide a central wall area corresponding substantially to the area at the free end of the bristle body intended to be covered, longitudinally extending portions on opposite sides, respectively, of said central wall area adapted to be folded to form converging side walls terminating in an open mouth of reduced area relative to said central wall area, separate outwardly extending tabs at the opposite ends, respectively, of each of said longitudinally extending portions projecting beyond the adjacent longitudinal extremities of said central wall area and adapted to be folded inwardly and when so folded, the tabs at the opposite ends of one of said longitudinally extending portions terminating at their free ends in overlapping relation to the corresponding tabs of the other of said longitudinally extending portions and being secured together to provide transverse end walls adjacent the opposite longitudinal extremities, respectively, of the central wall area in inwardly spaced relation to said extremities, whereby said central wall area projects at its opposite ends beyond said transverse end walls, said projecting ends of the central wall area adapted to be folded over said transverse end walls and secured thereto to form a seal between said central wall area and said transverse end walls, said cover embracing the bristle body and held only by the coaction of the bristles upon the cover.

2,363,648

UNDERGARMENT

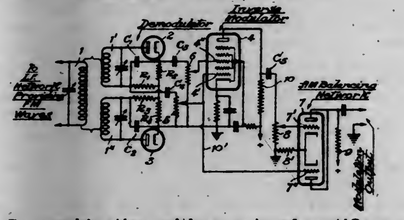
Glyn H. Crocker, Cortland, N. Y., assignor to J. C. Penney Company, New York, N. Y., a corporation of Delaware

Application December 10, 1942, Serial No. 468,465
4 Claims. (Cl. 2—28)



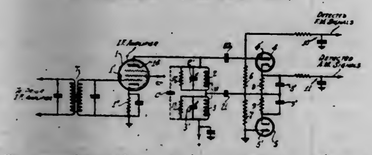
1. A foundation garment comprising, in combination, a front panel to overlie the front of the wearer, and auxiliary abdomen restraining means on the inside of the panel to overlie the abdomen of the wearer and unsecured to the panel at its abdomen covering portion, said means comprising a median band centrally and vertically disposed of said panel, and a set of side bands arranged mainly above the horizontal transverse center of the panel at each side of the median band and extending respectively outwardly and upwardly at an angle in opposite directions between the opposite side edges of the median band and the opposite side edges of the panel, each set of side bands being similar to but independent of the other set and comprising a plurality of bands arranged one above the other, the side bands of the respective sets being secured at their inner ends to the median band and at their outer ends to the opposite side edges of the panel, said side bands being otherwise free from connection with the panel and said median band being free from connection with the panel at the points of attachment of the side bands therewith.

2,363,649
FREQUENCY MODULATION RECEIVER
Murray G. Crosby, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application October 25, 1941, Serial No. 416,443
9 Claims. (Cl. 250—20)



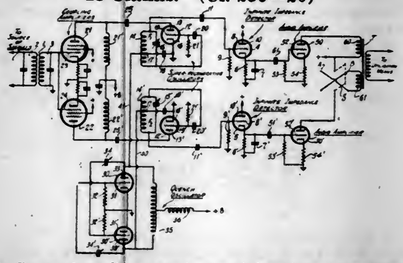
1. In combination with a pair of rectifiers, a source of timing modulated carrier waves subject to amplitude modulation of the carrier waves, means for deriving from the waves a pair of radio frequency voltages whose relative amplitudes are equal at the mean frequency of the modulated carrier waves and vary relatively in accordance with the timing modulation of the carrier waves, means separately applying each radio frequency voltage to a respective one of said rectifiers, means for deriving from said rectifiers in opposition a modulation voltage comprising a component corresponding to said timing modulation and a component corresponding to said amplitude modulation, means for deriving from said rectifiers in aiding phase a modulation voltage corresponding essentially to said amplitude modulation, and means for combining said two modulation voltages in such relation that said amplitude modulation component of the first modulation voltage is in opposition to the second modulation voltage thereby to provide a resultant timing modulation voltage with amplitude modulation component substantially reduced.

2,363,650
FREQUENCY MODULATION DETECTOR CIRCUIT
Murray G. Crosby, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application July 10, 1942, Serial No. 450,355
4 Claims. (Cl. 250—27)



1. In combination, in a receiver of angular velocity-modulated carrier waves, a detector provided with a discriminator network, a selective amplifier coupled to said discriminator to apply amplified modulated waves to the latter, said amplifier being tuned to a predetermined reference frequency and having a frequency vs. amplitude characteristic which possesses substantially drooping flanks relative to said reference frequency whereby amplitude modulation effects are introduced on said carrier waves, said discriminator being tuned to a center frequency equal to said reference frequency and being constructed and arranged to have a frequency vs. direct current output characteristic whose slope is relatively linear over the median region thereof but rises in opposite directions from the median region a sufficient amount substantially to compensate for the said drooping flanks thereby to compensate for said amplitude modulation effects.

2,363,651
SUPERREGENERATIVE RECEIVER SYSTEM
Murray G. Crosby, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application March 6, 1943, Serial No. 478,254
13 Claims. (Cl. 250—20)



1. In a signalling system, at least one oscillator tube circuit, means for applying modulated radio signals thereto, means for quenching the oscillator at a superaudible frequency to provide super-regenerative amplification, a detector of the infinite impedance type coupled to the oscillator for deriving the modulation signals and purely capacity-resistance means coupling said detector to said oscillator thereby to prevent quench currents from passing to the detector.

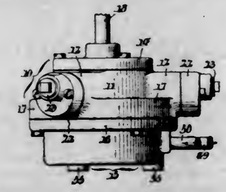
2,363,652
FREQUENCY MODULATION DISCRIMINATOR CIRCUIT
Murray G. Crosby, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application April 29, 1943, Serial No. 484,973
9 Claims. (Cl. 250—27)



1. In a system of the type comprising a pair of opposed rectifiers having a differential output circuit, a discriminator circuit feeding the opposed rectifiers, a source of frequency-variable signal energy coupled to said discriminator, the improvement in the discriminator comprising a signal energy retarding path consisting of a series resonant circuit tuned to the mean frequency of applied signal energy, aperiodic means connecting said series resonant circuit in parallel to said rectifiers, and a pair of non-retarding paths connecting said source to respective rectifiers thereby to apply retarded signal voltage to said rectifiers in opposite polarity.

2,363,653
PUMP
Kenneth W. Crossman, Willow Grove, Pa., assignor to The Edwin H. Fitler Co., Philadelphia, Pa., a corporation of Pennsylvania
Application August 26, 1943, Serial No. 500,159
6 Claims. (Cl. 103—174)

1. In a pump, a housing with a partition setting apart two coaxial juxtaposed annular hollows; a cylinder extending laterally from the housing; a piston within the cylinder; a drive shaft journaled axially of the housing and provided with means within one hollow of the housing for reciprocating the piston; a fluid inlet and a fluid outlet for the pump; and means for controlling fluid flow within the pump including a passageway which leads from the outer end of the cylinder in the partition to a pair of radially-spaced ports open at that surface of the partition exposed within the other hollow of the



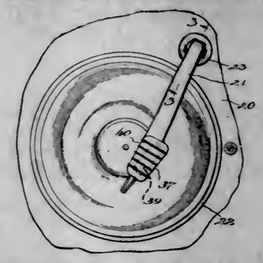
housing, and a pair of valve disks within the last mentioned hollow, one mounted on the shaft to bear against said surface and having a pair of concentric arcuate slots arranged in diametrically-opposed relation for registry alternately with said ports, and the other disk being non-rotative and bearing against the rotary disk, said non-rotating disk having a pair of concentric diametrically-opposed grooves coincident with the slots of the rotary disk, and ports leading from said grooves respectively to the fluid inlet and outlet aforesaid.

2,363,654
RUBBER MOLDING COMPOSITIONS
Lawrence E. Daly, Osceola, Ind., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application December 26, 1941, Serial No. 424,475
4 Claims. (Cl. 260—727)

1. A hard boardy thermoplastic which is the conversion product of cure and heat at a temperature of from about 200°F. to about 300° F., of a mix composed essentially of a vulcanizable rubber, a curing agent sufficient to cure said rubber to a condition ranging from a soft vulcanized to semi-hard vulcanized state, and a hard highly purified resinous rubber isomer obtained from heating rubber in excess of a phenol in the presence of an acidifying isomerizing agent at a temperature above 125° C. but below the boiling point of the phenol, the proportion by weight of the isomer to the vulcanizable rubber ranging from about 200% to about 300%.

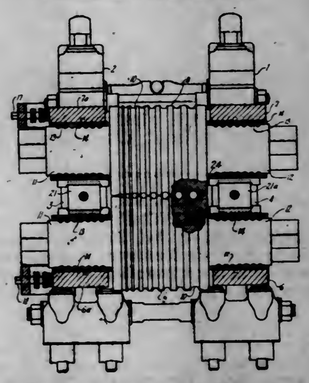
2,363,655
TONE ARM
Roy Dally, Racine, Wis., assignor to Webster Electric Company, Racine, Wis., a corporation of Delaware
Application November 2, 1942, Serial No. 464,201
1 Claim. (Cl. 274—23)

In a tone arm the combination of a support with a column carried by said support, a tubular shaft rotatably mounted in said column, said tubular shaft carrying a laterally and upwardly projecting metal bracket and said bracket having an aperture in its upwardly extending portion, a tone arm of moldable material having a downwardly open channel and having its rear end curved toward the bottom of said channel, said tone arm having its depending flanges immediately adjacent said rear end provided with a pair of horizontally extending apertures, a resilient U-shaped spring member having an outwardly extending bearing member carried by each of its legs, said bearing members each being provided with a cylindrical portion for reception in said apertures and with a conical portion for taking up wear in said apertures, said U-shaped spring having an aperture in its yoke, a metal rivet having a headed end engaging one inside of said yoke, and said rivet passing through said aperture, said rivet having its body surrounded by a resilient elastic covering provided with flange



portions located on each side of said upwardly extending portion of said bracket, and said rivet having its opposite end provided with a thrust member and riveted over, whereby the spring is secured to said bracket without metallic contact between the bracket and spring, said upwardly extending portion of said bracket extending into said tone arm and spacing said tone arm from said tubular shaft, and said horizontally extending apertures being located immediately adjacent a rear wall of said tone arm, whereby the rear wall may be pivoted into a position between said U-shaped spring member and said column when the tone arm is tilted up past the vertical position.

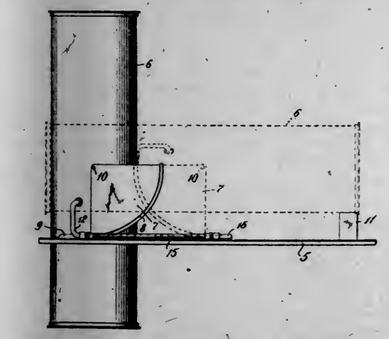
2,363,656
CORRUGATED NECK ROLL
Walter R. Dawson, Portland, Oreg.
Application May 12, 1942, Serial No. 442,580
4 Claims. (Cl. 80—56)



1. A journal bearing for rolling mills comprising a journal neck having a plurality of semi-circular grooves and semi-circular projections forming a corrugated bearing surface, an upper bearing block having a bearing for said journal neck, a bottom bearing block having a bearing for said journal neck, said bearings having complementary shaped bearing surface interacting with the

bearing surface of said journal neck, and means for adjusting the upper bearing block laterally relative to the neck and the lower bearing block radially relative to the journal neck.

2,363,657
PORTABLE APPARATUS FOR SEPARATION OF THE CONSTITUENTS OF GASEOUS MIXTURES
Wolcott Dennis, Darien, Conn., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application December 21, 1942, Serial No. 469,725
1 Claim. (Cl. 261—108)

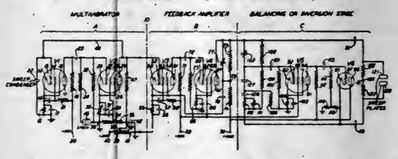


In a portable apparatus for separation of the constituents of gaseous mixtures by liquefaction, the combination of a platform adapted for the mounting of a complete liquefaction unit including a rockable liquefaction and rectification column, supporting segments having arcuate surfaces resting on the platform and secured at opposite sides to the column with the center of radius of the arcuate surfaces approximately at the center of gravity of the column, flexible pipes for the gases entering and leaving the column, connections connecting said flexible pipes with the column, and other connections adapted to connect the flexible pipes to fixed pipes on the platform connected to other parts of the liquefaction unit, the flexible pipes being of such length and the connections being so positioned that the arcuate surfaces may roll on the platform to turn the column from upright to horizontal position on the platform and from horizontal position on the platform to upright operating position without disengaging the connections.

2,363,658
FINISHING SYSTEM
Gerard Quick Decker, 3rd, Yeadon, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 27, 1942, Serial No. 436,454
7 Claims. (Cl. 117—57)

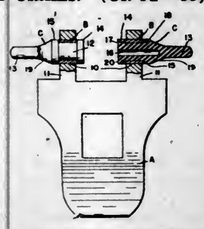
1. The process of coating wood surfaces which comprises heating the said surface to a temperature between about 150° F. and 325° F., applying thereto while hot an enamel composition containing a film-forming agent dispersed in a solvent, said film-forming agent being one which dries to a tough durable film without decomposition at temperatures between 150° F. and 325° F., and maintaining the said temperature while the coated surface is exposed until the enamel is substantially dry.

2,363,659
ELECTRIC CIRCUIT
Stephen Doba, Jr., Long Island City, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 31, 1942, Serial No. 429,067
17 Claims. (Cl. 315—15)



1. In combination, means for generating a potential wave in which for the major part of each cycle there is a relatively slow change in one direction and for the rest of the cycle a relatively rapid change in the opposite direction, said wave being non-linear in the slowly changing portion, a multistage arrangement for amplifying said potential wave without changing the shape of the wave produced by said generating means, said arrangement comprising a negative feedback circuit from a later stage to an earlier stage for compensating for the non-linearity of the slowly changing portion of said potential wave, whereby the output potential wave of said amplifier has a slowly changing portion which is substantially linear, and means for utilizing said output potential wave.

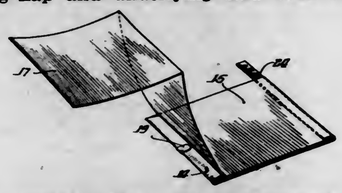
2,363,660
BEARING MASK STRUCTURE
James Edward Duggan, Detroit, Mich.
Application April 8, 1942, Serial No. 438,188
13 Claims. (Cl. 91—65)



8. A one piece mask for a tubular element comprising an elongated body of resilient material adapted to substantially fill the tubular element and provided at spaced points longitudinally thereof with lateral flanges having undercut faces for embracing opposite ends of said tubular element, said body being contractible upon being moved lengthwise within the tubular element to permit one of said flanges to be drawn through said element, and means at one end of the body operable as a finger piece to move the body lengthwise within the tubular element.

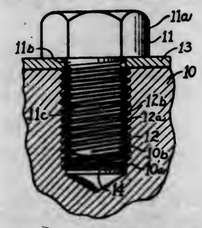
2,363,661
CARBON PAPER AND ITS HOLDER
William J. Feitl, Chicago, Ill.
Application May 12, 1944, Serial No. 535,219
4 Claims. (Cl. 282—19)

1. In a pigmented-sheet construction incorporating a holder and a folded pigmented-sheet in said holder, the novel improvements being that said holder includes a back, a holding-flap overlying the front of, and hinged to, one end of said back, a cover-flap overlying the front of said back and hinged to the opposite end thereof, a continuous pigmented-sheet at least in part beneath said cover-flap and folded crosswise into plaited form, one end portion of such plaited pigmented-sheet being between said holding-flap and said back, and a clamp overlying said holding-flap and underlying said back releas-



ably maintaining said plaited pigmented-sheet in the specified relation, whereby a section of said plaited pigmented-sheet may be released from beneath said holding-flap and occupy an advanced operative position, the remainder of the plaited-sheet being held clamped beneath said holding-flap.

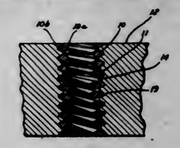
2,363,662
THREADED CONNECTION AND INSERT
Howard J. Findley, Shaker Heights, Ohio, assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application August 13, 1943, Serial No. 498,493
1 Claim. (Cl. 85—46)



An insert made of helically coiled wire and adapted to form a screw connection between threaded portions of a pair of male and female members, the threaded portion of said male member having thereon an external thread of a conventional American National form and pitch and the threaded portion of said female member also having thereon an internal thread of a conventional American National form and pitch, the external and internal diameters of said male and female members being held to the diameters which are conventional for the American National threads thereon, said helically coiled wire having a cross-sectional shape and pitch such that the insert has internal and external threads of said conventional American National form and pitch so as to permit the use of existing conventional threading tools in forming the threads on the threaded portions of the male and female members to be connected by said insert

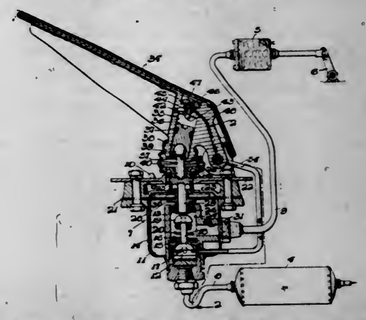
2,363,663
THREAD INSERT
Howard J. Findley, Shaker Heights, Ohio, assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application November 12, 1943, Serial No. 509,995
4 Claims. (Cl. 85—46)

1. A thread insert of the character described for use with male and female members having preformed threads thereon comprising, a bushing formed of helically wound wire of a double-edged cross-sectional shape to provide internal and external helical threads on the bushing for cooperation with the preformed threads of said male



and female members, the intermediate portion of said bushing being of a different size than its end portions so as to produce a gripping action between the bushing and one of said members.

2,363,664
BRAKE CONTROL MECHANISM
Elbert Fowler, Mount Vernon, N. Y., assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio, a corporation of Delaware
Application May 1, 1943, Serial No. 485,350
10 Claims. (Cl. 303—54)



1. The combination in a fluid pressure brake system having a source of fluid pressure, an actuator, and valvular means for controlling the flow of fluid pressure from said source to said actuator including a valve for controlling the establishment of a connection between said source and actuator and means responsive to the pressure in said actuator for controlling the operation of said valve in one direction, of operator-controlled means for controlling the operation of said last named means for controlling the operation of the valve in the other direction including a pressure-responsive member for imparting force to said pressure responsive means, operator-controlled means movable relative to said pressure-responsive member for varying the pressure thereon and forming a pressure chamber therewith, means connecting said chamber and source for maintaining the pressure acting on said pressure-responsive member at a value at least equal to that of the source and means for preventing movement of the pressure responsive member by the pressure in said chamber when the operator-controlled means is in release position.

2,363,665
SCREW CAP
Harry F. George, Chicago, Ill.
Application March 8, 1943, Serial No. 478,345
5 Claims. (Cl. 85—55)

3. In a cap adapted to cover the grooved head end of a screw holding in place a facing material,

a cap head, a plurality of fastening elements embedded in the cap head and projecting therefrom, each of the fastening elements being formed of resilient material closed at one longitudinal edge and open at its other longitudinal edge and forming spaced apart resilient sides that normally

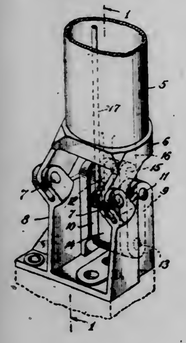


stand a greater distance apart than the thickness of a groove in the screw head, the projecting portions of the fastening elements being of a size and shape with relation to the grooves that when pushed into the grooves they will engage the groove walls to hold the cap in place on the screw and cover the screw head.

2,363,666
STEELMAKING
John E. Greenawalt, Bronxville, N. Y.
No Drawing. Application April 15, 1942, Serial No. 439,081
10 Claims. (Cl. 75—54)

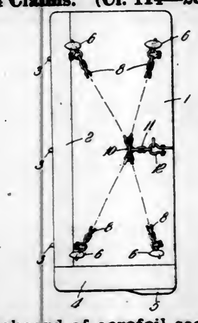
1. A method of preparing an ore charge for open hearth furnaces, comprising the steps of mixing iron ore, fuel, limestone, and ferrous metal chips, and sintering the mixture to form a slag in which a large percentage of the ore has been reduced to the ferrous oxide.

2,363,667
LOCKING DEVICE
Owen H. Griswold, Trenton, N. J., assignor to Kaiser Cargo, Inc., Bristol, Pa., a corporation of California
Application December 28, 1943, Serial No. 515,922
4 Claims. (Cl. 287—99)



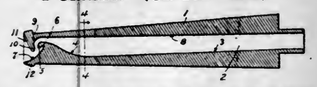
1. In an articulated joint, the combination of pivotally connected members, a locking device comprising pivotally connected links each pivotally mounted respectively on one of the members and adapted when in alignment to lock the joint, one of the links being longer than the other link whereby when the links are actuated the members are caused to move about their pivotal axis, and means for actuating the links.

2,363,668
OTTER BOARD
Donald Julius Groen, Surbiton, England
Application June 8, 1942, Serial No. 446,320
In Great Britain July 1, 1941
4 Claims. (Cl. 114—235)



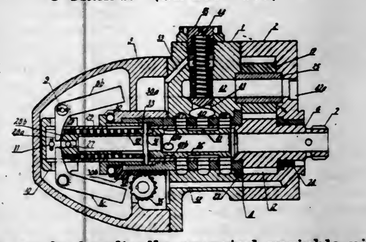
1. An otterboard of aerofoil section which has an overall height which is greater than its length, at least three projecting elements of stream-line form on one side of said board, to the ends of which elements are connected the ends of elements connected to a towing cable, means for weighting the lower portion of the board and additional weighting means for weighting the lower forward portion of the board.

2,363,669
PIPESTEM
Frederick Y. Henkle, Kingston, Pa.
Application November 16, 1943, Serial No. 510,518
4 Claims. (Cl. 131—229)



1. A pipe stem having a mouthpiece and a smoke chamber, said chamber having an entrance for smoke, a restricted passage leading from the smoke chamber through the mouthpiece, the mouthpiece, beginning at its lower outer edge, having a lower inwardly-upwardly curved wall extending to a point approximately in the axis of the smoke chamber, said restricted passage being curved to deflect smoke against said lower inwardly-upwardly curved wall.

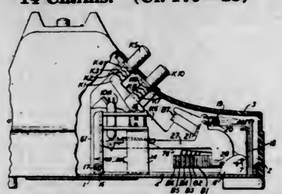
2,363,670
VARIABLE PITCH CONSTANT SPEED PROPELLER ASSEMBLY
Walter S. Hoover, Montreal, Quebec, Canada
Application August 22, 1940, Serial No. 353,605
5 Claims. (Cl. 170—163)



2. In an hydraulically operated variable pitch propeller mechanism, a fluid pressure responsive means for setting the pitch of the propeller

blades, a source of limited pressure fluid for said pitch setting means, a control valve for routing said fluid of limited pressure to and from said pitch setting means, governor actuated means controlling said valve in response to the propeller speed, manually actuated auxiliary controls for said governor mechanism, a source of high pressure fluid for said pitch setting means, means energized by said auxiliary controls only at their extreme control range for delivering high pressure fluid to said propeller mechanism, and means responsive to the pressure of the fluid delivered to the propeller actuating means for disconnecting said high pressure fluid delivering means.

2,363,671
TELEPHONE SYSTEM
Francis A. Hubbard, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 31, 1942, Serial No. 470,724
14 Claims. (Cl. 179—18)



1. The combination in a signaling system of a line having a station thereon, a source of alternating current of a base frequency at the central office, means for connecting said source to said line to supply current thereto, a harmonic generator at said station responsive to current from said source to generate harmonics of the base frequency in said line, means at the central office selectively responsive to the harmonics generated at said station, a plurality of keys at said station each having a down and an up-stroke and means controlled by said keys for selectively suppressing one of said generated harmonics during the down-stroke of a key and for selectively suppressing one or more of said generated harmonics during the up-stroke of the operated key.

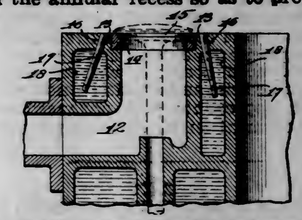
2,363,672
STABILIZATION OF SHORTENING
Jakob L. Jakobsen, Minneapolis, Minn., assignor to General Mills, Inc., a corporation of Delaware
No Drawing. Application November 7, 1941, Serial No. 418,222
6 Claims. (Cl. 99—163)

1. A process of stabilizing shortening which comprises adding a tocopherol-containing deodorizer sludge to a shortening and hydrogenating the resultant mixture.

2. A process of preparing and stabilizing a shortening which comprises adding a tocopherol-containing deodorizer sludge to a shortening, hydrogenating the resultant mixture, and then subjecting the hydrogenated mixture to alkali refining.

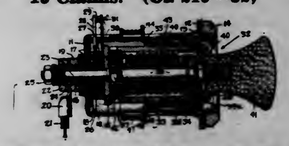
2,363,673
METHOD OF INSTALLING AND RETAINING VALVE SEAT INSERTS
Charles Augustus Jensen, Inglewood, Calif.
Application March 13, 1942, Serial No. 434,503
1 Claim. (Cl. 29—156.7)

The method of installing and securing valve seat inserts in the metal cylinder blocks of internal combustion engines which consists in forming an annular recess in the cylinder block around the end of a port therein, positioning a valve seat insert in said recess, forming a series of apertures at equally spaced intervals in the metal of the block at points beyond the outer marginal edge of the annular recess so as to provide sub-



stantial thicknesses of metal between said recesses and apertures and then inserting tapered pins into said apertures with sufficient force to compress and solidify the surrounding metal in said block and force these portions of the metal between the inserted pins and the insert toward the latter.

2,363,674
CIGAR LIGHTER
Arthur A. Johnson, Bridgeport, Conn., assignor to Automatic Devices Corporation, Bridgeport, Conn., a corporation of Connecticut
Application March 3, 1939, Serial No. 259,589
15 Claims. (Cl. 219—32)



6. In an electric cigar lighter, a holding device; an igniting unit including a heating element, movably mounted on the holding device; means including an electric circuit controlled by movement of said igniting unit to closed-circuit position for energizing the heating element; means for urging the igniting unit to open-circuit position; electromagnetic means carried by said igniting unit for holding the igniting unit in a closed-circuit position upon movement thereof to said position, said magnetic means being the sole means for holding the igniting unit in closed-circuit position; and means automatically rendering said magnetic means inoperative upon said heating element reaching a predetermined desired temperature, whereupon said urging means moves said igniting unit to open-circuit position.

2,363,675
PORTABLE MORTAR
Melvin M. Johnson, Jr., Brookline, Mass., assignor to Melvin M. Johnson, Melvin M. Johnson, Jr., and Edward E. Rice, as trustees of the Johnson Patent Trust, Boston, Mass.
Application October 20, 1943, Serial No. 506,998
10 Claims. (Cl. 42—1)



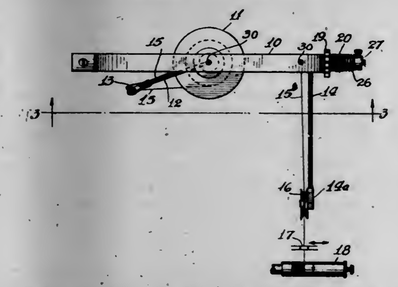
1. A mortar comprising a tubular casing, a barrel slidable back and forth in the casing, be-

tween an advanced position and a retracted position, throughout a distance at least approximately as long as the ammunition used therein, a spring interposed between the casing and barrel yieldingly to urge the barrel toward said advanced position, a sear to hold the barrel in said retracted position against the action of said spring, a firing pin carried by the rear end of the barrel, and means movable relatively to the barrel for stopping ammunition slightly in the rear of said advanced position, whereby when said sear is retracted the ammunition is not fired until the barrel approaches said advanced position with high momentum which largely counteracts the recoil.

2,363,676
PROCESS FOR PURIFYING METHYL STYRENE
Claude W. Jordan, Paoli, Pa., assignor to The United Gas Improvement Company, a corporation of Pennsylvania
No Drawing. Application February 14, 1942, Serial No. 430,886
14 Claims. (Cl. 260—669)

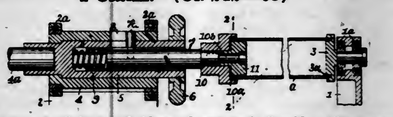
1. A process for purifying methyl styrene contained in a mixture including methyl phenyl acetylene which comprises commingling said mixture with at least one finely divided material selected from the group consisting of metals of groups IA and IIA of the periodic system under conditions insufficiently drastic to polymerize the preponderant part of said methyl styrene, and recovering methyl styrene from the resulting mass less contaminated with said methyl phenyl acetylene.

2,363,677
TENSIONING DEVICE FOR WINDING MACHINES
Martin J. Kirk, Chicago, Ill., assignor to Johnson Laboratories, Inc., Chicago, Ill., a corporation of Illinois
Application April 8, 1942, Serial No. 438,178
11 Claims. (Cl. 242—45)



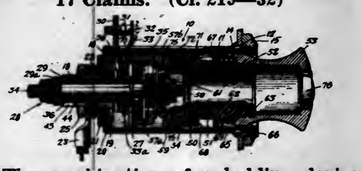
1. Tensioning devices for coil winding machines, including in combination a support for holding a filament supply spool stationary, a removing arm mounted for angular movement around the axis of said support, said arm having a filament guiding device for angular movement around and spaced from the periphery of a supply spool on said support, and friction devices for restraining free angular movement of said arm, said support including a stationary tube, a rod movable into and from said tube, a bearing for said arm carried by said rod, said tube and said rod having a cooperating pin and slot constituting a bayonet connection for holding said rod in said tube, and a spring in said tube tending to remove said rod therefrom.

2,363,678
MACHINE FOR WINDING FABRICS
George W. Lane, Clifton, N. J., assignor to Van Vlaanderen Machine Co., Paterson, N. J., a corporation of New Jersey
Application September 11, 1942, Serial No. 457,985
1 Claim. (Cl. 242—68)



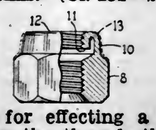
In a machine of the class set forth, the combination of supporting structure, an idle chuck revoluble therein, an element to be rotated coaxial with said chuck and rotative in said structure, said chuck and element being confined by said structure against axial displacement from each other, an active chuck including a driving member splined to said element and a driven member coaxial with and rotative relatively to the driving member, a flexible normally tubular core interposed between the idle chuck and said driven member, and a spring supported by said element and urging the active chuck toward the idle chuck, the driving member having a radially projecting hump opposed to a circumferential surface of the adjoining end of the core and the driven member having a part thereof in telescoped relation to said core end and tapered lengthwise thereof and holding said core end distorted from its normally circular form and with a portion thereof within the range of rotation of the hump.

2,363,679
CIGAR LIGHTER
Herbert G. Lehmann, Wood-Ridge, N. J., assignor to Automatic Devices Corporation, Bridgeport, Conn., a corporation of Connecticut
Application October 11, 1939, Serial No. 298,910
17 Claims. (Cl. 219—32)



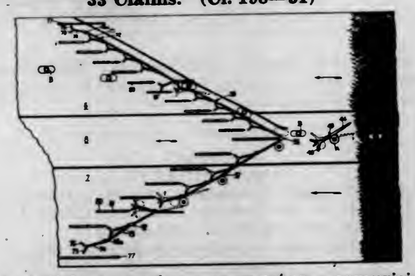
10. The combination of a holding device, an igniting unit adapted to be movably held by said holding device comprising a body of insulating material having a handle at one end and a heating coil at the other end thereof, and a pole piece of magnetic material associated with the heating coil and rendered operative to hold the igniting unit in closed-circuit position on the holding device by current passing through the heating coil.

2,363,680
THREADED LOCKING DEVICE
Richard W. Luce, Southport, Conn.
Application July 17, 1941, Serial No. 402,726
2 Claims. (Cl. 151—21)



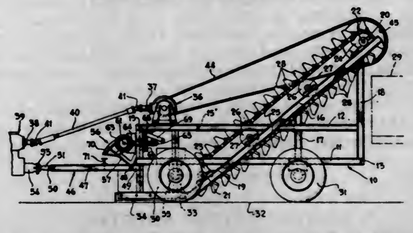
1. A lock-nut for effecting a frictional engagement between the threads thereof and the thread of a bolt entered therein comprising an internally tapped body having the load carrying threads therein, an unbroken cylindrical portion at one end of the body portion of larger internal diameter than the body portion and including a tapped extension inturned through substantially one hundred and eighty degrees of greater wall thickness than the cylindrical portion and positioned with the thread thereof out of phase with and toward the thread of the body portion.

2,363,681
LEHR LOADER
William L. McNamara and Frederick Z. Fouse, Lancaster, Ohio, assignors to Anchor Hocking Glass Corporation, Lancaster, Ohio, a corporation of Delaware
Application October 31, 1942, Serial No. 464,048
33 Claims. (Cl. 198—31)



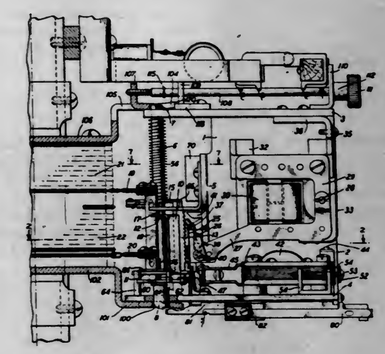
1. Article-arranging apparatus comprising movable conveyer means, means for automatically arranging articles in laterally spaced longitudinally extending rows on said conveyer as they are moved along by said conveyer, said means comprising a gate unit disposed transversely of the conveyer at an angle to the direction of travel thereof, said gate unit comprising a plurality of pivoted gate members each thereof having an article-guiding portion located at one side of the pivot point thereof and gate-opening and gate-closing portions at the opposite side of said pivot point, said article-guiding portions providing a continuous uninterrupted guiding surface extending transversely of the conveyer when the gates are in closed position.

2,363,682
COMBINED ELEVATOR AND ROCK PICKER
Martin Madsen and Walter M. Madsen, Alhambra, Calif.
Application July 21, 1943, Serial No. 495,664
13 Claims. (Cl. 198—12)



1. In an elevating implement of the kind described adapted to be attached to a towing vehicle, the combination of: a frame; an elevator for elevating material picked up at or about the ground level, including upper and lower sprocket means supported by said frame; driving means extending over said sprocket means; a plurality of carrier means connected to said driving means so as to move therewith, said carrier means each comprising a grid member having openings therewith and operating as a screen for permitting passage therethrough of the smaller pieces of the material; and a bucket member detachably connected to the outer portion of each grid member; means to guide the said materials while on the ground into the path of movement of said carrier means; front wheels supporting the forward end of the frame and elevator; and wheel means for the rear of said frame; and means for adjustably raising and lowering the forward end of said frame and elevator.

2,363,683
SWITCHING MECHANISM
Rudolph F. Mallina, Hastings on Hudson, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 31, 1942, Serial No. 470,749
7 Claims. (Cl. 179—27.52)

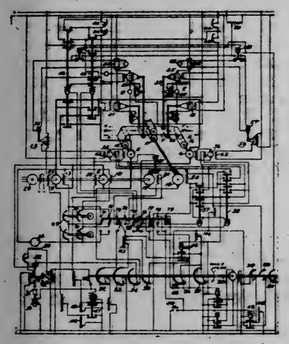


1. In a switching mechanism, a brush carriage mechanism, means for operating said carriage to lift it and then rotate it to a desired position including a horizontal stationary member engaged by said carriage to retain it in its lifted position during its subsequent rotary movement and a pawl engaging said carriage to retain it in its rotated position, means operative in response to the rotation of said carriage to a certain advanced position for releasing said carriage from the stationary member and the rotary retaining pawl simultaneously to return it from the lifted position and then immediately to return it from the rotated position, said means including a vertical stationary member and a pawl engaging it to guide the carriage during the vertical return movement and a cam operative to free the carriage from the rotary retaining pawl.

2,363,684
CONTROL SYSTEM
Terryl B. Montgomery, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application November 17, 1941, Serial No. 419,447
14 Claims. (Cl. 80—32)

1. In a rolling mill, winding and unwinding reels for handling strip material rolled by said mill, dynamo electric machines connected to said

reels, a power source, an auxiliary power source, and means for connecting said unwinding reel dynamo electric machine directly across said power source and for connecting said winding



reel dynamo electric machine and said auxiliary power source in series across said power source, whereby said auxiliary power source is operable to supply the difference in voltages between said dynamo electric machines.

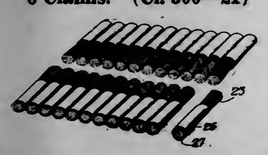
2,363,685

METHOD OF MANUFACTURING BRUSHES

Franz Neuschaefer, Rye, N. Y.; Helen Neuschaefer, executrix of Franz Neuschaefer, deceased, assignor to Helen Neuschaefer, Rye, N. Y.

Original application February 19, 1942, Serial No. 431,473. Divided and this application October 26, 1942, Serial No. 463,342

6 Claims. (Cl. 300—21)



1. Method for forming simultaneously a plurality of brushes, which comprises arranging a series of tufts in generally parallel relationship, applying and adhesively securing thereto, two strips of deformable material extending transversely of the tufts and spaced apart by a substantial distance, also deforming said strips into a plurality of distinct stem portions each extending along and substantially embracing a tuft, and severing said tufts at points between said strips, thereby forming two groups of brushes.

2,363,686

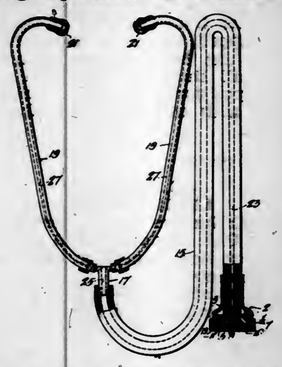
ACOUSTIC STETHOSCOPE

Harry F. Olson, Haddon Heights, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application April 1, 1942, Serial No. 437,139

20 Claims. (Cl. 181—24)

1. In an acoustic stethoscope, a pick-up device having an impedance substantially equal to that of a given area of a subject to be examined, and an acoustic coupling line connected at one end to said pick-up device and adapted to be connected at its other end to a detector having a different impedance than said first named impedance, said line having a passage of gradually varying cross section and the ends of said passage having impedances which match said first



and second named impedances, respectively, whereby said coupling line transmits acoustical energy without substantial loss.

2,363,687

ANTIOXIDANTS

Philip T. Paul, Naugatuck, Conn., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application July 17, 1943, Serial No. 495,190

16 Claims. (Cl. 260—810)

11. An organic substance which tends to deteriorate by absorption of oxygen from the air containing a 5,8-dihydro dihydroxy naphthalene in which the dihydroxy groups are chosen for placement from the class consisting of the 1,2 and the 1,4 positions in the naphthalene nucleus.

2,363,688

PACKING

Anna E. Rains Pollard, Spokane, Wash.

Application October 12, 1942, Serial No. 461,651

1 Claim. (Cl. 288—8)



A packing, comprising: a tubular fabric casing having a projecting seam running along one side thereof, a mass of discrete non-elastic metallic and oil-soaked wooden particles within said casing, a separate second mass of discrete particles within said casing localized along the projecting seam thereof, said second mass being formed of elastic material, and an agglutinate interspersed in said masses to bind the same together, said projecting seam serving as an indicator of the locality of the elastic mass within said casing to facilitate the proper installation of the packing.

2,363,689

PHOTOGRAPHIC PRINTING

Gerald F. Rackett, Los Angeles, Calif., assignor to Technicolor Motion Picture Corporation, Hollywood, Calif., a corporation of Maine

Application March 2, 1943, Serial No. 477,719

10 Claims. (Cl. 95—2)

1. The method of making a corrected print from a color-separation record of a scene on one

film which comprises forming a color-correcting record of the scene on the face of a masking film, and then printing a corrected record on another film with the three films in superposition, the



color-separation film being intermediate the other two films in face-to-face contact with the printed film and back-to-back contact with the masking film.

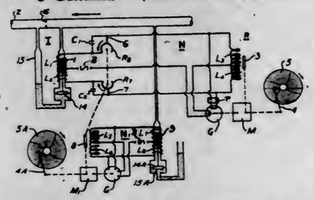
2,363,690

MEASURING SYSTEM

Joseph Razek, Llanerch, Pa., assignor to Cochrane Corporation, Philadelphia, Pa., a corporation of Pennsylvania

Application January 30, 1943, Serial No. 474,103

9 Claims. (Cl. 177—351)



1. A measuring system comprising a balanceable network including inductance coils having cores movable respectively to unbalance said network in response to change from previous magnitude of a condition and to restore balance thereof at existing magnitude of the condition, and compensating means for varying the relation between the extents of aforesaid movements of said cores comprising groups of resistance and capacitance elements included in different branches of said net-work, and means for effecting in unison adjustment of similar elements of said groups.

2,363,691

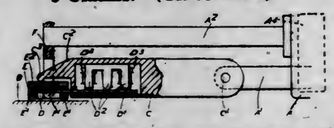
APPARATUS FOR MEASURING OR INDICATING THE DEGREE OF SURFACE ROUGHNESS

Richard Edmund Reason, Leicester, England, assignor to Kapella Limited, Leicester, England, a company of Great Britain

Application September 16, 1942, Serial No. 458,560

In Great Britain September 16, 1941

9 Claims. (Cl. 73—104)



1. A pick-up device for use in apparatus for measuring or indicating the shape of a surface or the degree of roughness thereof, comprising a supporting casing, a pick-up head, means for moving the pick-up head relatively to the casing, a stylus so carried by the pick-up head that movement of the head will cause the stylus to be traversed over the surface to be tested but will leave the stylus free to move transversely in a direction substantially normal to the direction of traversing, a detecting device carried by the pick-up head and responsive to the transverse movements of the stylus, a member resting on the test surface and so connected to the casing as to remain stationary during traversing of the stylus, two relatively movable elements together constituting a guiding device and respectively constituted by a reference surface and a cooperating skid, one of such elements being on the pick-up head and the other on the stationary member, and means whereby the reference surface is automatically set so that its line of intersection with the traversing plane is substantially parallel to the line of intersection of such plane with the test surface.

2,363,692

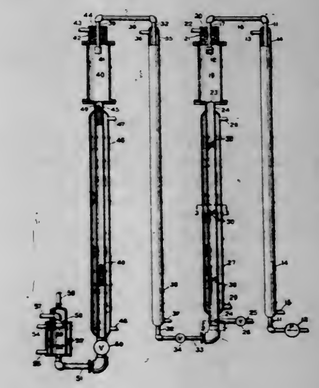
PRODUCTION OF ROSIN AND TURPENTINE

Jesse O. Reed, Washington, D. C., assignor to Claude R. Wickard, as Secretary of Agriculture of the United States of America, and his successors in office

Application November 26, 1941, Serial No. 420,540

1 Claim. (Cl. 202—152)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



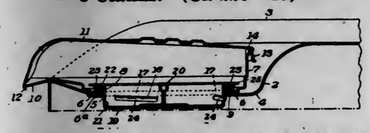
A distillation apparatus comprising a conduit, a chamber, packing material at the top of said chamber, a spray nozzle in said chamber below said packing material, said nozzle being connected to one end of said conduit, said chamber having an outlet at the top, a column having a free vertical space and having its upper end connected to the bottom of said chamber, means for rotationally introducing steam into the bottom of said column, means for causing steam rising in said column to whirl, a second conduit having one end connected to the bottom of said column, a second chamber, packing material at the top of said second chamber, a nozzle in said second chamber below the packing material therein, said second chamber having an outlet at the top, said nozzle being connected to the other end of said second conduit, a second column having a free vertical space and having its upper end connected to the bottom of said second chamber, baffles in said second column for forcing descending material outwardly, a receptacle, the bottom of said receptacle being connected to the bottom of said second column, said receptacle having a vent at the top and a downwardly facing outlet below said vent, and a baffle below said outlet to by-pass vapors around said outlet, and means for externally heating said conduits, columns, and said receptacle.

2,363,693

CONTAINER AND CLOSURE STRUCTURE

William H. Robinson, Limestone, W. Va., assignor to Wheeling Steel Corporation, Wheeling, W. Va., a corporation of Delaware

Application February 8, 1941, Serial No. 377,965
8 Claims. (Cl. 220—40)



1. A container having an opening in its top through which it is adapted to be filled, the material of the top surrounding said opening having its under surface extending generally laterally away from said opening and said material being reversely turned to provide a reinforced portion completely about said opening and a closure for said opening having opposed holding and sealing portions cooperating respectively with opposed faces of said reinforced portion to hold the closure in place and seal said opening, the holding portion being inclined to the plane of the sealing portion, said reinforced portion having therein slot means receiving the holding portion of the closure when the closure is applied to the container.

2,363,694

HYDROGENATION OF FATTY ACID SOAPS

John Ross and Joseph Abrahm Valentine Turck, Jr., New York, N. Y., assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware

No Drawing. Application July 5, 1940, Serial No. 344,067
4 Claims. (Cl. 260—97.5)

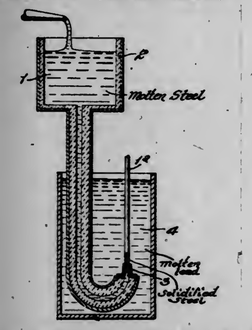
1. The process of partial hydrogenation of water-soluble salts of polyolefinic fatty acids which comprises treating a solution of salt of polyolefinic fatty acids in water with hydrogen in the presence of a nickel hydrogenation catalyst at a temperature above 40° C. but not above 90° C. and at a pressure above 50 pounds per square inch.

2,363,695

PROCESS FOR CONTINUOUS CASTING

Herbert Ruppik, Dusseldorf, Germany; vested in the Alien Property Custodian

Application December 11, 1939, Serial No. 308,716
In Germany January 24, 1939
6 Claims. (Cl. 22—200.1)



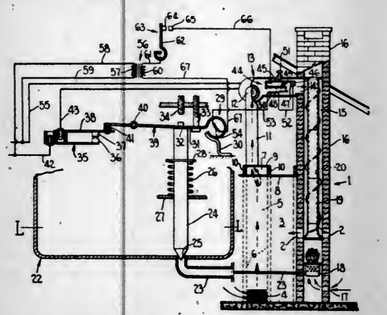
1. In the continuous casting of steel, the process which comprises passing molten steel through a forming means into intimate heat conducting relationship with a substantially-quiescent, compact bath of molten lead, the lead being at a temperature sufficiently lower than that of the steel to produce at least partial solidification of the steel while it is in contact with said forming means, said forming means being at least partly submerged in said lead bath, and withdrawing the solidified steel from the point at which said solidification takes place at a rate substantially equal to the rate at which the molten steel is introduced into said forming means, thereby continuously producing an elongated casting of steel having the shape produced by said forming means.

2,363,696

CONTROL SYSTEM

Philip S. Russel, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan

Application February 6, 1942, Serial No. 429,725
9 Claims. (Cl. 126—110)



1. In a heating system, a heat generating means having a plenum chamber in heat exchange relationship with said heat generating means, means for supplying air to be heated to said chamber, an electric switch, bimetallic means positioned in the path of the air supplied by said air supplying means and operatively connected to and for holding said switch in closed position, said bimetallic means being operable at a temperature above a predetermined temperature to cause said switch to move to an open position, means positioned in heat exchange relation with said bimetallic means and operable to supply heat at a substantially predetermined rate, said rate being so related to the flow of said supplied air that said bimetallic means is maintained below said predetermined temperature for normal flows of said supplied air and so related to the flow of said supplied air that said bimetallic means is heated to said predetermined temperature at subnormal flows of said supplied air, electrical means connected to said switch and operable to increase the rate of heat being supplied by said heat generating means to said chamber, said switch when in said open position acting to render ineffective said electrical means.

2,363,697

COMBINATION BATH CLOTH, SOAP PAD, AND MASSAGER

Edward Schirmer, New York, N. Y.

Application July 18, 1942, Serial No. 451,405
2 Claims. (Cl. 15—122)

1. A combination bath cloth soap pad and massager having a massage member formed of superimposed fabric walls sewed together along three sides forming a pocket for a piece of soap or one's hand and a piece of soap, a pair of spaced parallel strips disposed on one of said walls and attached thereto at their centers and ends



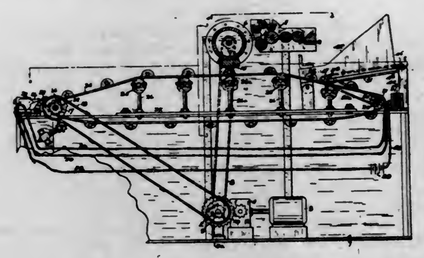
forming laterally spaced pairs of loops, a connector member located between said strips inwards of said loops, and a pair of straps attached to said connector member and extended outwards through said loops.

2,363,698

AUTOMATIC HANDLING MEANS FOR USE UPON AND IN CONJUNCTION WITH PRINTING AND LABELING MACHINES

Frederick Shurley, Windsor, Ontario, Canada

Application December 17, 1942, Serial No. 469,356
6 Claims. (Cl. 101—38)



1. In a machine of the character described comprising an intermittently moved conveyor chain on a machine including a movable printing plate beneath which the chain extends, spaced arbors projecting from one side of the chain for receiving cylindrical work pieces, the work pieces upon the arbors being successively positioned beneath the printing place for contact therewith upon stoppage of the chain, means under the printing plate cooperating with each arbor for having line contact with the work piece thereon and supporting the same for rotation against the plate as the latter moves in contact with the work piece, and vertically adustable supporting means for that portion of the chain from which one of the arbors projects when the work piece thereon is in plate contacting position.

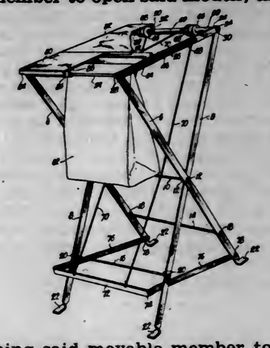
2,363,699

GARBAGE HOLDER

Travis O. Smith, Kansas City, Mo., assignor, by mesne assignments, to David M. Lorenz, Johnson County, Kans.

Application August 2, 1943, Serial No. 497,095
6 Claims. (Cl. 312—163)

4. A garbage holder comprising a frame having a fixed and a movable member; a table top section secured to the movable member; a flexible container having opposite sides of its mouth, respectively, attached to said fixed and movable members; means for moving the last-named member together with said top section away from the fixed member to open said mouth; and means



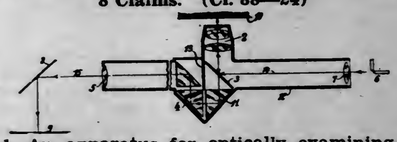
for returning said movable member to close the mouth of the container.

2,363,700

OPTICAL SURFACE EXAMINING APPARATUS

Oscar F. Soetbeer, Massapequa Park, N. Y.

Application March 19, 1942, Serial No. 435,284
8 Claims. (Cl. 88—24)



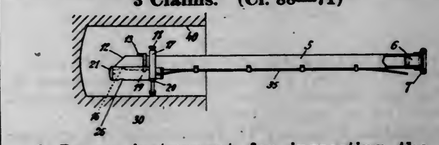
1. An apparatus for optically examining the surface of an interior wall in an open ended cylinder comprising an optical magnifying image forming system including an objective positioned at a right angle to the axis of the image forming rays of the system, a housing enclosing said system and having a light admitting opening at one end and an image rays outlet opening at the other end, a mechanism for supporting the said cylinder and for moving it into a selected position enclosing said objective with the said interior cylinder wall in optical operative relation to the objective, means to support said housing including means to focus the said objective with respect to said cylinder wall, means for directing a beam of light through said light admitting opening to the said objective to illuminate the cylinder wall in front of the objective and a projection screen positioned to receive and visualize the magnified image of the surface of the said interior wall formed by the said optical system, said cylinder supporting mechanism having openings for the passage of the image forming rays from the optical system to the said screen.

2,363,701

INSPECTOSCOPE

Oscar F. Soetbeer, Massapequa Park, N. Y.

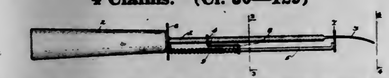
Application November 17, 1943, Serial No. 510,840
3 Claims. (Cl. 88—71)



1. In an instrument for inspecting the internal surface in a hollow body, a straight tube having its forward end closed by an inclined

wall, a microscope optical system in said tube spaced a distance from said inclined wall, an objective opening in the tube intermediate said wall and said system, a mirror on said inclined wall for reflecting an illuminated image of a portion of the surface to said optical system, a bracket carried by said tube adjacent its forward end rearward of said opening, an electric lamp mounted in said bracket on each side of said tube with the focal points of said lamps in vertical alinement with the vertical axis of said objective opening, a rotatable lamp tube enclosing each of said lamps, light openings in said lamp tubes for directing the light rays from the lamps upon said surface in optical operative relation to the said objective opening and to the said mirror and set screws for adjustably securing said lamp tubes to the said bracket.

2,363,702
EJECTOR FORK
Bruno E. Solinski and Anthony J. Hudec, Cicero, Ill.
Substituted for abandoned application Serial No. 407,326, August 18, 1941. This application April 3, 1944, Serial No. 529,322
4 Claims. (Cl. 30—129)



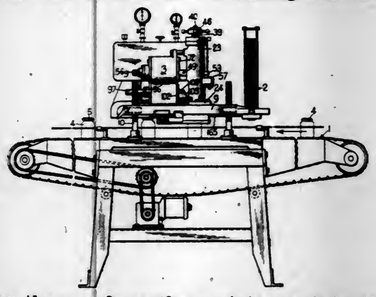
1. In an ejector fork, a stationary shank having tines and a handle, bosses upon said shank in spaced relation to said handle, an ejector shank, a head at one end of said ejector shank slidable upon said stationary shank between said bosses and handle, an ejector plate at the opposite end of said ejector shank slidable upon said tines, a bridge link engaging said stationary shank between said bosses and head and connecting same slidably to said ejector shank, and an expansion spring arranged upon said ejector shank and abutting said bridge link and head.

2,363,703
COPOLYMER COMPOSITIONS
William J. Sparks, Peoria, Ill., and Robert M. Thomas, Union, N. J., assignors, by mesne assignments, to Jasco, Incorporated, a corporation of Louisiana
No Drawing. Application May 11, 1940, Serial No. 334,585
8 Claims. (Cl. 260—23)

5. A composition of matter consisting of a rubbery material composed wholly of a low temperature interpolymer of a major proportion of isobutylene with a minor proportion of a conjugated diolefin produced at a temperature within the range of —10° C. to —150° C., characterized by a molecular weight ranging between 15,000 and 150,000, an iodine number within the range between 1 and 40, solidity, plasticity, reactivity with sulfur to yield an elastic limit, together with a filler comprising carbon black in the proportion of 75 to 200 parts per 100 parts of polymer, sulfur, a sulfurization aid, zinc oxide and stearic acid.

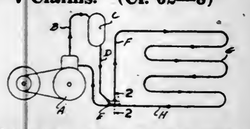
2,363,704
APPARATUS FOR SEALING CONTAINERS
Harry E. Stover, Connellsville, Pa., assignor to Anchor Hocking Glass Corporation, Connellsville, Pa., a corporation of Delaware
Application February 16, 1943, Serial No. 476,065
11 Claims. (Cl. 226—80)

1. Apparatus of the type described comprising a support for a container which has a cap positioned loosely on the upper end thereof, a sealing head disposed above the support, means for moving said container and the sealing head relative to each other to seal the cap on the container, a control unit for controlling said moving means, said control unit including means for



lifting the cap from the container substantially into contact with said sealing head, a trigger for initiating movement of said moving means which is so disposed that it will be engaged by the cap while the cap is so lifted, and upwardly yieldable means for supporting said trigger.

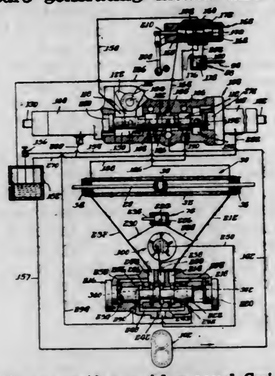
2,363,705
REFRIGERATING MECHANISM
Parke H. Thompson, Glendale, Mo.
Application February 28, 1942, Serial No. 432,755
7 Claims. (Cl. 62—8)



7. In combination with a refrigerating system including an evaporator, a suction line and means for supplying refrigerant to the evaporator, a control valve having a chamber and mounting means for holding the chamber on the suction line in position to be effected by temperature changes in the latter, said chamber having a relatively large area in one plane and a relatively small area in a plane transverse to the plane of the large area and being partially filled with a volatile liquid having a component in gaseous phase and a component in liquid phase, the liquid being of such character that the ratio of said components varies with slight changes in temperature, said chamber being so mounted on the suction line that the plane of the large area makes a selected angle with the horizontal, such angularity of mounting determining the degree of sensitivity, and said mounting means being adapted to permit angular adjustment of the valve in relation to the suction line.

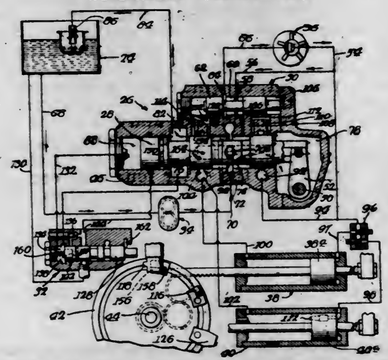
2,363,706
HYDRAULIC ACTUATOR AND CONTROL SYSTEM
Ernest J. Svenson, Rockford, Ill., assignor, by mesne assignments, to Odin Corporation, Chicago, Ill., a corporation of Illinois
Original application November 7, 1930, Serial No. 494,045, now Patent No. 2,099,776, dated November 23, 1937. Divided and this application November 22, 1937, Serial No. 175,833
22 Claims. (Cl. 60—52)

1. In a hydraulic system of control, a hydraulic actuator, means for supplying fluid at a relatively high rate to said actuator, said means comprising fluid pressure generating means, a fluid circuit connecting said fluid pressure generating means to said actuator, and means in said circuit for controlling the direction of flow of fluid in said circuit to supply and discharge fluid to and from said actuator in one direction or selectively in an opposite direction to effect relatively rapid traverse movements of said actuator selectively in opposite directions, means comprising a second fluid pressure generating means and a second



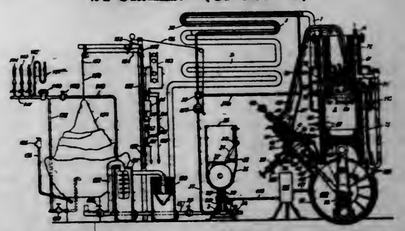
fluid circuit connecting said second fluid pressure generating means to said actuator for supplying fluid at a relatively slow rate to said actuator, and a reversible direction valve in said second circuit preset by fluid flow in the first circuit for controlling the direction of flow of fluid in said second circuit to supply and discharge fluid to and from said actuator in one direction or selectively in an opposite direction thereby to effect relatively slow traverse movements of said actuator selectively in opposite directions determined by the direction of flow of fluid in the first circuit.

2,363,707
HYDRAULIC PROPELLING MECHANISM
Ernest J. Svenson, Rockford, Ill., assignor, by mesne assignments, to Odin Corporation, Chicago, Ill., a corporation of Illinois
Application July 30, 1932, Serial No. 627,025
Renewed January 12, 1938
23 Claims. (Cl. 60—52)



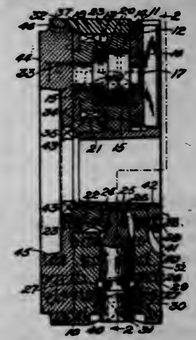
1. In a hydraulic actuator system, an actuator for propelling machine parts and the like, slow traverse pump mechanism for delivering fluid to said actuator at a relatively slow rate to propel said actuator at a relatively slow rate, rapid traverse pump means for propelling said actuator at a faster rate, shiftable valve means within a housing, a fluid circuit including said rapid traverse pump means, said valve means and said actuator, said valve means in one position serving to render said rapid traverse pump means effective to actuate said actuator and in another position to render said rapid traverse pump means ineffective to actuate said actuator, two-position shiftable control means in one position rendering said slow traverse pump mechanism effective to actuate said actuator and in the other position ineffective to actuate said actuator, and means for shifting said control means as an incident to the shifting of said valve means a distance insufficient to render said rapid traverse pump means effective to actuate said actuator.

2,363,708
GAS PRODUCER SYSTEM
Kenneth M. Urquhart, New York, N. Y.
Continuation of application Serial No. 44,564, October 11, 1935. This application February 28, 1941, Serial No. 381,202
24 Claims. (Cl. 123—3)



1. In a system for producing combustible gas by the partial combustion of a solid fuel of low B. t. u. content, the combination of an expansible chamber in which the partial combustion occurs, means including a pump, for forcing air and finely divided particles of fuel into the expansible chamber, means for driving said pump from a moving part of the expansible chamber, and a fuel feeding mechanism for feeding measured charges of the finely divided particles of solid fuel to the pump.

2,363,709
MACHINE-TOOL CHUCK
Charles Henry Vidal, London, England
Application July 14, 1943, Serial No. 494,637
In Great Britain June 15, 1942
11 Claims. (Cl. 279—110)



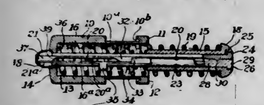
1. A machine-tool chuck comprising a chuck body having a number of radially extending slots

in one face thereof, a jaw member slidably mounted in each slot, a single driving member mounted centrally of the chuck body, a separate eccentric mechanism mounted in the chuck body engaging each jaw member, and grouped around in driving connection with said single driving member, each of which eccentric mechanisms comprises a member mounted to rotate about an axis fixed in relation to the chuck body and having an eccentric bore and a journal member rotatably mounted in said bore and connected to the jaw or jaw carrier by a pin and slot connection extending transversely to the jaw guide.

2,363,710
FASTENER

Frank C. Wallace, Los Angeles, Calif., assignor, by mesne assignments, to Herman H. Helbush, Beverly Hills, Calif.

Application November 3, 1942, Serial No. 464,362
12 Claims. (Cl. 85—5)

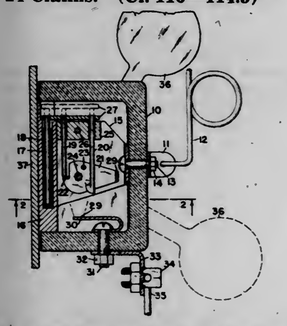


8. A fastener of the class described comprising a cylindrical body having an end wall presenting an opening therethrough, a retaining member reciprocally mounted in the body whereby to be protractable and retractable through the opening, said retaining member being comprised of two substantially parallel, relatively slidable pins, each presenting on its outer end a work-engaging shoulder, pin-engaging means for relatively moving said respective pins into protracted position, and coacting means on the pins functioning to retract one of the pins after limited movement of the other pin, said limited movement acting to bring the outer ends of both pins into work engaging position.

2,363,711
TANK-WALL TEMPERATURE INDICATOR

Carroll H. Walsh, Pine Bluff, Ark.

Application June 30, 1943, Serial No. 492,957
14 Claims. (Cl. 116—114.5)

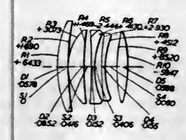


1. A tank-wall temperature indicating device comprising a housing, a hollow tubular container closed at the lower end and open at the upper end carried by said housing, said container having one portion thereof disposed within said housing and another relatively smaller portion extending outside of said housing for engaging a tank wall, a reciprocably movable member extending into said container and arranged for endwise movement therein, normally frozen fusible material disposed within said container and normally rigidly fastening said member to said container by means of frictional engagement therewith, a rotatable shaft journalled in said housing below the uppermost portion of said fusible material, a latch member fastened to said shaft, means biasing said shaft for rotary movement, a push rod and a pull rod, means securing said rods to said movable member adjacent to the upper end of said container, said rods extending downwardly therealong in spaced relationship therewith, the lower and unfastened end of said push rod engaging one portion of said latch member for normally restraining said rotary movement of said shaft and for releasing said shaft for said rotary movement when said fusible material fuses and the lower and unfastened end of said pull rod extending into the path of movement of another portion of said latch member for pulling said movable member back to the normal position upon occurrence of said rotary movement, guide means provided with openings through each of which one of said rods extends for continuously holding the lower and unfastened ends of said rods in alignment with the rod-engaging portions of said latch member, and an indicator fixed on said shaft externally of said container for visibly indicating the occurrence of said rotary movement.

2,363,712
OPTICAL OBJECTIVE

Arthur Warmisham and Charles Gorrie Wynne, Leicester, England, assignors to Taylor, Taylor & Hobson Limited, Leicester, England, a company of Great Britain

Original application December 15, 1941, Serial No. 423,118. Divided and this application April 24, 1943, Serial No. 484,424. In Great Britain December 2, 1940
6 Claims. (Cl. 88—57)



1. An optical objective corrected for spherical and chromatic aberrations, coma, astigmatism, field curvature and distortion and having small zonal spherical abberation, and comprising five axially aligned components each in the form of a simple element, of which two components are divergent and the other three are convergent and are disposed two on one side and one on the other side of the two divergent components, one of the divergent components being made of an alkaline halide crystal and the other four components of optical glass, the objective approximately fulfilling the two equations

$$\sum \frac{m^2_p}{f_p} \cdot \frac{1}{V_p} = 0$$

and

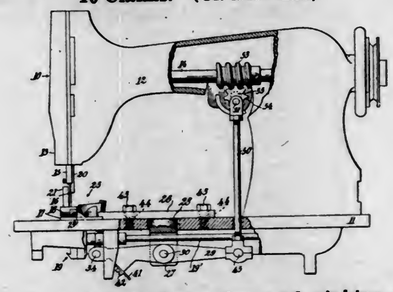
$$\sum \frac{m^2_p}{f_p} \cdot \frac{\theta_p}{V_p} = 0$$

wherein m_p, f_p, V_p and θ_p respectively represent the magnification, the focal length, the Abbé ν number and the relative partial dispersion of an element p of the objective and the symbol Σ indicates algebraical summation of the expressions for all the elements of the objective.

2,363,713
COMBINED SEAMING AND TRIMMING MACHINE

Curt H. Weissenberg, St. Albans, N. Y., assignor, by mesne assignments, to Lewis Invisible Stitch Machine Company, New York, N. Y., a corporation of Maine

Continuation of application Serial No. 210,318, May 27, 1938. This application May 24, 1940, Serial No. 337,062
10 Claims. (Cl. 112—123)

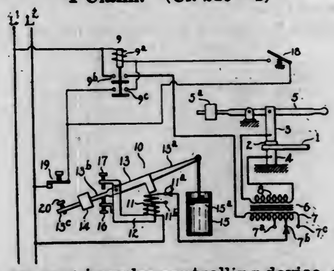


1. In a combined seaming and pinking machine, driving mechanism, a work supporting base, male and female pinking cutters, one of which is substantially vertically reciprocable, a carrier for the reciprocable cutter, a lever at one end of which the cutter carrier is pivotally sustained for substantially vertical reciprocatory movement, said lever being fulcrumed intermediate its ends to a support positioned below the work supporting base and means actuated by the sewing machine driving mechanism for actuating the lever to reciprocate the cutter.

2,363,714
DEVICE FOR CONTROL OF CURRENT IMPULSES

Jerome B. Welch, Milwaukee, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware

Application March 1, 1943, Serial No. 477,567
1 Claim. (Cl. 219—4)

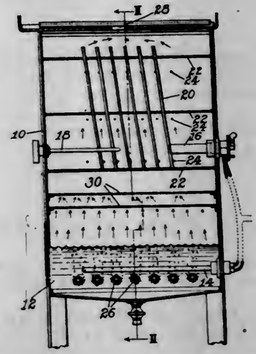


In a current impulse controlling device, a transformer having a primary winding and a secondary winding, electrodes connected with the respective terminals of said secondary winding and adapted for completion of the circuit of the latter upon pressure engagement of said electrodes with work interposed therebetween, a variable reactance regulator including an energizing winding connected in series with said primary winding, said regulator having a magnetic circuit associated with said energizing winding, means for initially providing a predetermined maximum air gap in said magnetic circuit to afford upon completion of the circuits of said primary and secondary windings supply of a predetermined maximum value of current thereto, said energizing winding thereafter acting upon said last mentioned means to reduce said air gap to a predetermined minimum value at a rate of change varying with the magnitude of said current to reduce the current supplied to said primary and secondary windings to a corresponding minimum value, adjustable means associated with said last mentioned means to control the effect of said energizing winding upon the rate of reduction of said air gap from its maximum to its minimum value, said regulator acting automatically after a predetermined period of time to effect interruption of the circuit of said primary winding, and associated means adjustable at will to vary the length of said time period.

2,363,715
METHOD OF TEMPERING LEATHER

Adoniram J. Wells, Wilmington, Del., assignor to B. B. Chemical Co., Boston, Mass., a corporation of Massachusetts

Original application January 25, 1941, Serial No. 375,951. Divided and this application February 11, 1942, Serial No. 430,350
3 Claims. (Cl. 12—146)



1. That improvement in methods of producing and maintaining a tempering atmosphere for leather which consists in heating a body of water to a suitable predetermined temperature substantially below the boiling point, forcing air at room temperature through said body of water to cause the air to be heated and laden with water-vapor, removing water in liquid form from the vapor-laden air to provide a water-free tempering atmosphere, passing said atmosphere through a work-treating chamber and maintaining it against condensation by continuously supplying the chamber with further quantities of atmosphere at a rate sufficient to maintain a continuous current thereof through the chamber.

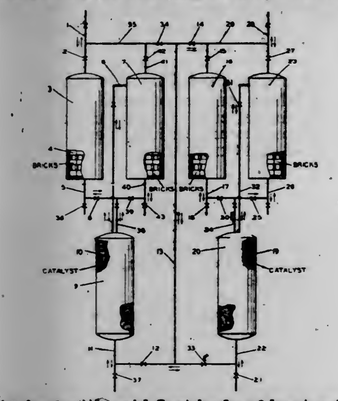
2,363,716
CATALYTIC CONVERSION OF HYDROCARBONS

I. Louis Wolk, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

Application May 24, 1943, Serial No. 488,227
5 Claims. (Cl. 196—52)

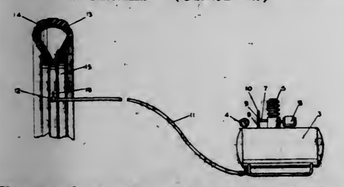
1. In a process for the catalytic conversion of hydrocarbons in which the catalyst is deactivated by deposition of carbon thereon and reactivated by contact with oxygen-containing gas in a regeneration zone, the steps which comprise contacting the effluents from a reaction zone at substantially reaction temperature with the first of

a pair of bodies of heat retaining material, contacting the effluents from a regeneration zone at substantially regeneration temperature with the second of said pair of bodies of heat retaining material, preheating a hydrocarbon feed prior to introduction into a reaction zone by first contact-



ing said feed with said first body of heat retaining material and then with second body of heat retaining material, and during said preheating contacting another pair of bodies of heat retaining material respectively with reaction and regeneration effluents to absorb heat therein in preparation for preheating feed in another cycle.

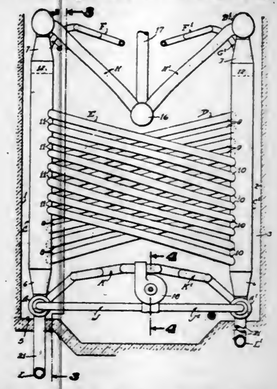
2,363,717
METHOD FOR PREVENTING OXIDATION OF RUBBER
I. Louis Wolk, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application August 10, 1943, Serial No. 498,119
3 Claims. (Cl. 21—2)



1. The method of preserving a rubber article by inflation which comprises the steps of inflating the article with air during a time period, and at some time closely related to the inflation period injecting a slug of a volatile oxidation inhibitor into the article.

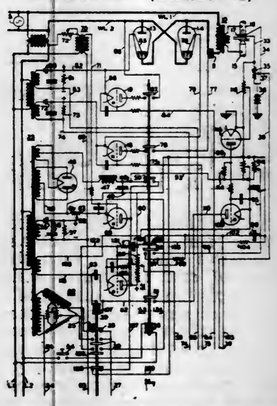
2,363,718
ALL WELDED HIGH-PRESSURE WATER TUBE BOILER
Herman M. Welter, San Francisco, Calif.
Application May 1, 1943, Serial No. 485,557
3 Claims. (Cl. 122—255)

1. A steam boiler comprising a fire chamber, lower and upper headers disposed on each side of the fire chamber, a plurality of vertical steam generating tubes disposed on both sides of the fire chamber, the vertical tubes on one side interconnecting the headers on the same side and the vertical tubes on the other side also interconnecting the lower and upper headers on the last-named side, the vertical tubes on opposite sides being arranged in pairs, two sets of inclined steam generating tubes interconnecting each pair of transversely opposed vertical tubes, one set of the inclined tubes being inclined oppositely to the other set connected to the same pair of vertical tubes, whereby a transverse flow of water from the vertical tubes on one side to those on the other side takes place through the inclined tubes, means for delivering feed water to the lower headers under sufficient pressure to offset the pressure in



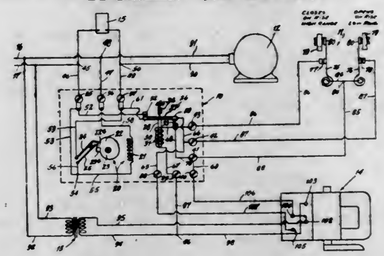
the boiler, a steam drum connected to the upper headers for receiving steam generated by the vertical and inclined tubes, and means for circulating the water in the lower headers including a pump communicating with an end of each lower header for drawing water therefrom, and water heating coils for receiving the water from the pump and for delivering the water to the other ends of the lower headers for completing the circuit.

2,363,719
WELDING METHOD AND APPARATUS
Joseph H. Cooper, Warren, and Clyde E. Smith, Port Homer, Ohio, assignors to The Taylor-Winfield Corporation, Warren, Ohio, a corporation of Ohio
Application November 5, 1942, Serial No. 464,602
28 Claims. (Cl. 219—4)



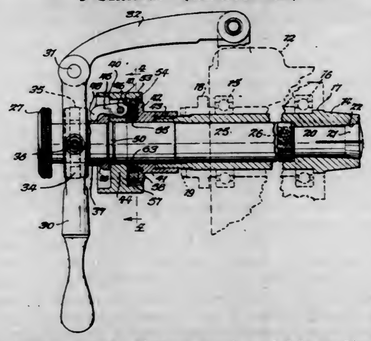
6. The method of electric resistance welding which consists of applying electric current and pressure to the work at the point of weld, determining instantaneous values of the temperature attained at the point of weld, and controlling the strength of the current in accordance with the rate of temperature increase as determined from said values whereby a predetermined rate of temperature increase may be effected.

2,363,720
STOKER CONTROL AND CIRCUIT
George H. Erb, East Orange, N. J., assignor to Automatic Control Corporation, St. Louis, Mo., a corporation of Delaware
Application February 14, 1940, Serial No. 318,966
14 Claims. (Cl. 236—46)



3. In a system of the kind described, heat change producing means operable at variable heat change producing rates, and a control mechanism to determine whether the means operates continuously or intermittently and at a high rate or low rate, said control mechanism including temperature-responsive means having first combinations adapted to cause the heat change producing means to operate continuously at a minimum rate for one temperature condition in said space, and having second combinations adapted to cause the same to operate at an increased rate for a second temperature condition in said space, said temperature-responsive means also including third combinations to cause the heat change producing means to operate only intermittently when a third temperature condition exists in said space, regardless of the condition of the first or second combinations.

2,363,721
COLLET ACTUATING DEVICE FOR MACHINE TOOLS
Leigh R. Evans, Elmira, N. Y., assignor to Hardinge Brothers, Inc., Elmira, N. Y.
Application February 1, 1944, Serial No. 520,612
9 Claims. (Cl. 279—51)

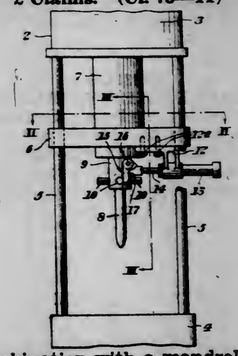


1. In a quick acting and quickly adjustable opening and closing device for a collet of a lathe or similar machine having a hollow rotary spindle and a collet draw tube therein, that improvement which includes a ratchet shell rigidly mounted on said draw tube adjacent to an end of said spindle, and having ratchet teeth on an inner face thereof extending substantially parallel to said draw tube, an outwardly extending flange on said spindle, a dog mounted on said flange for engagement with said ratchet teeth to releasably hold said draw tube in the desired relation to said spindle, and lever actuated means for moving said collet tube lengthwise relatively to said spindle to open and close said collet.

2,363,722
STABILIZED MEDICINAL WHITE OILS
Jacob Faust, Belleville, N. J., and Henry Sonneborn, III, Baltimore, Md., assignors to L. Sonneborn Sons, Inc., a corporation of Delaware
No Drawing. Application November 10, 1941, Serial No. 418,612
8 Claims. (Cl. 167—66)

1. A medicinal white oil composition comprising a medicinal white oil, inherently subject to autoxidation, having normally a low induction period and a small amountof tocopherol sufficient to raise the normal induction period of said white oil.

2,363,723
MEANS FOR ROTATING MANDRELS
Stevenson Findlater, Pittsburgh, Pa., assignor to National Tube Company, a corporation of New Jersey
Application March 8, 1943, Serial No. 478,482
2 Claims. (Cl. 78—11)

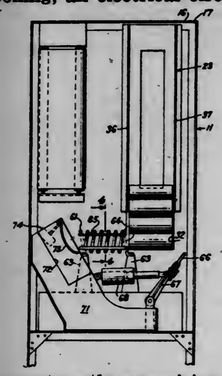


1. In combination with a mandrel for piercing billets and the like, means for rotating the mandrel after each piercing operation comprising four radially extending lug-like portions arranged with and projecting outwardly from the periphery of the mandrel with the lug-like portions being spaced substantially 90 degrees from each other, an hydraulic cylinder mounted for operative movement in a plane substantially perpendicular to the axis of said mandrel, and a finger-like member pivotally mounted on the outer end of the piston rod of said cylinder which is adapted to cooperate with said lug-like portions, said finger-like member constructed and arranged so as to strike said lug-like portions carried by said mandrel successively so as to rotate the same.

2,363,724
WIENER VENDING MACHINE
Everett P. Ford, San Francisco, Calif.
Application July 5, 1941, Serial No. 401,069
4 Claims. (Cl. 219—19)

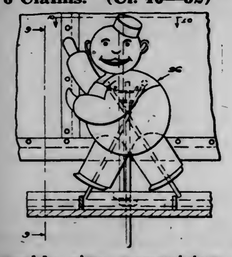
1. An automatically operable hot dog sandwich vending machine comprising a sectional

hopper for holding a plurality of individually wrapped hot dog sandwiches in overlying relationship, an electric cooker supported below said hopper; said cooker including a high voltage, high frequency diathermy coil, a spring-controlled pivotally mounted finger for moving individual sandwiches from said hopper into said coil for cooking, an electrical circuit containing



means for recurrently energizing said coil for predetermined time intervals, means in said circuit for effecting movement of said finger at predetermined time intervals to move the sandwiches into said cooker, and means in said hopper connected into said electrical circuit for controlling the delivery of individual sandwiches to a position for movement into said coil by said finger.

2,363,725
CHANGEABLE EXHIBITOR
Herbert A. Graham, Goderich, Ontario, Canada
Application March 18, 1942, Serial No. 435,243
6 Claims. (Cl. 40—32)



1. A changeable sign comprising an endless display web, an endless drive element, said web being provided with vertically disposed members, a drive arm extending from the drive element and being engageable successively with the vertically disposed members on the web and a figure carried by the arm.

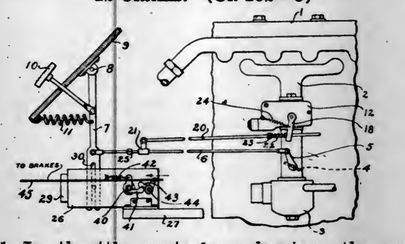
2,363,726
MIXING TABLET
Rose Rosenfeld Greene, Los Angeles, Calif.
Application August 21, 1941, Serial No. 407,776
6 Claims. (Cl. 161—15)

1. In association with a magnet, a mixing tablet constituted, respecting at least a part thereof, of transparent substance, and recessed, adjoining said transparent part, to provide a primary recess adapted to contain therewithin a timing mechanism including a windable clock movement, a dial and a magnet-responsive part, said magnet and said magnet-responsive part and other parts constituting said tablet being dimensioned and being locally and functionally related to one another in a manner whereby said move-



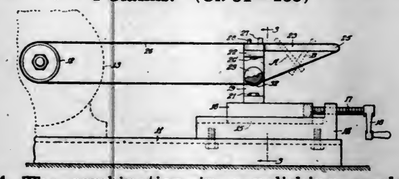
ment is windable by virtue of displacement of said magnet-responsive part induced by suitable displacement of said tablet and said magnet relatively to one another, said dial being visible through said transparent part.

2,363,727
THROTTLE CONTROL
John L. Griggs, Wichita Falls, Tex.
Application January 13, 1941, Serial No. 374,285
12 Claims. (Cl. 192—3)



1. In throttle control mechanism, the combination of a main throttle, an accelerator, means for connecting the accelerator with the main throttle for operating the same, and means for automatically locking said accelerator in a predetermined advanced position by the movement of the accelerator to said advanced position, said locking means being constructed to release the accelerator upon further advancing movement thereof in said same direction of movement past said advanced position.

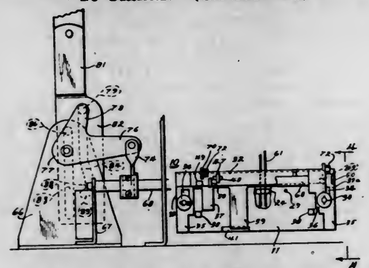
2,363,728
POLISHING MACHINE
Raymond Grunwald, Chicago, Ill.
Application November 27, 1942, Serial No. 467,084
4 Claims. (Cl. 51—135)



4. The combination in a polishing machine comprising a driving pulley, an adjustably positioned polishing head aligned with and spaced from said driving pulley and comprising a bed plate provided with slideways, a carriage supported on said slideways, a belt supporting plate having a rounded edge arranged to engage one loop end of an endless polishing belt, said plate extending longitudinally within said belt and being spaced from said carriage, support means on said carriage supporting said belt plate at one

side thereof, means supported by said support means in spaced relation to said carriage and to said plate for spreading and guiding an endless polishing belt, manually adjustable screw means interconnecting said carriage and said bed plate whereby the tension of a polishing belt may be readily adjusted, an endless polishing belt supported by said pulley, said belt plate and said spreading and guiding means, said belt being mounted to have a relatively small loop end to permit slipping of work thereover to be polished, whereby an upper and a lower surface of the work may be polished simultaneously.

2,363,729
VOTING MACHINE
Alvin N. Gustavson, Jamestown, N. Y., assignor to Automatic Voting Machine Corporation, Jamestown, N. Y., a corporation of Delaware
Application April 5, 1940, Serial No. 328,060
10 Claims. (Cl. 235—54)



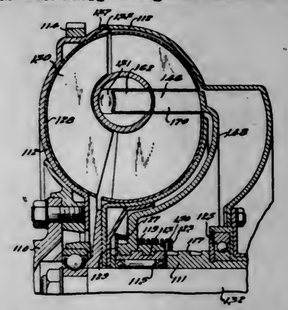
1. In a voting machine having members movable to an operated position and a lever operable through other mechanism to move said members to inoperative position, straps individually connected with and operable by said members, a bar movable to engage the straps of any members moved to operated position, means operably connecting said bar with said lever in such a manner as to render said bar operable by movement of said lever to engage and restore said straps and the members connected therewith, and further means actuated by movement into operated position of a predetermined number of said straps rendering said bar effective only to hold said straps and said members in operated position.

2,363,730
MANUFACTURE OF NITROGEN-FORTIFIED WHEY CONCENTRATE
Lloyd A. Hall, Chicago, Ill., assignor to Nicholas L. Simmons, Norrie, Wis.
No Drawing. Application December 16, 1942, Serial No. 469,215
6 Claims. (Cl. 99—10)

1. The method of producing a food material from a protein and whey, which comprises hydrolyzing the protein with a liquid having the solids of sour milk whey and having an acidity of at least 1% calculated as lactic acid.

2,363,731
TURBOTRANSMISSION
Joseph Jandasek, Detroit, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application April 8, 1941, Serial No. 387,462
4 Claims. (Cl. 60—54)

1. A fluid transmission comprising a drive shaft having an impeller, a driven shaft having a turbine aligned with the impeller and cooperating therewith to form a power transmitting fluid circuit, a stationary member having a threaded portion concentrically mounted on the driven shaft, a rotatable threaded hub concentrically mounted on the driven shaft adjacent the threaded portion of the stationary member, one-way driving means between the threaded hub and the driven shaft, a guide wheel hub having internal threads adapted to engage the threaded portions of the rotatable hub and stationary members and to move axially relative to the driven shaft to occupy positions wholly on either the rotatable hub or the threaded portion of the stationary member, the adjacent radially extended edges of the threads of the stationary and rotatable hub members being bevelled in opposite



directions to facilitate axial movement of the guide wheel hub on the stationary and rotatable hub members, spaced guide wheel vanes carried by the guide wheel hub and having fluid deflecting blades of varied contour adapted to be positioned in the fluid circuit to operate the transmission as a torque converter or as a fluid clutch, the torque converter vanes being positioned in the fluid circuit when the guide wheel hub is on the threaded portion of the stationary member whereby the guide wheel member is locked against rotation and the fluid clutch operating vanes being positioned in the fluid circuit when the guide wheel hub is on the rotatable hub to absorb energy from the power transmitting fluid and transmit it to the driven shaft through the one-way driving means interposed between the rotatable hub and the driven shaft.

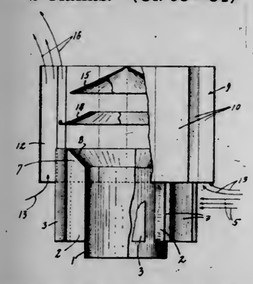
2,363,732
AIR DRAG LANDING ANCHOR DEVICE FOR AIRCRAFT
Graham Claude Jenkins, Port Elizabeth, Cape of Good Hope, Union of South Africa
Application August 20, 1942, Serial No. 455,486
In the Union of South Africa November 6, 1941
2 Claims. (Cl. 244—113)



1. A motion retarding device for aircraft comprising a cylindrical container located adjacent the tail of the aircraft and having an opening in the underside thereof, an arcuate door for closing said opening and mounted for rotation about the axis of the cylindrical container, a parachute attached to the aircraft and normally enclosed in said container and supported by said

door whereby when said door is opened the parachute may descend by gravity, an operating lever pivotally mounted in the aircraft and connected with said door.

2,363,733
VENTILATOR
Josef Karol, Van Nuys, Calif.
Application August 15, 1941, Serial No. 406,972
2 Claims. (Cl. 98—84)



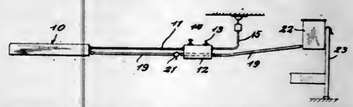
1. In a ventilator, the combination of a funnel, a drum positioned to surround the upper end of the funnel and having its inner wall spaced from the funnel, a hood mounted within the drum over the funnel, a vane member supported by the drum between the funnel and the hood, a plurality of dividing plates mounted on the funnel in the space between the funnel and the drum and extending toward the inner surface of the drum but terminating short of said drum, a pair of curved fins continuing from the extremities of each dividing plate, the said fins being curved oppositely from the dividing plates to define within the space between the funnel and the drum substantially enclosed channels.

2,363,734
COMBINATION LAMP HOLDER AND STARTER HOLDER
Eugene R. Kulka, Mount Vernon, N. Y.
Application February 6, 1942, Serial No. 429,716
1 Claim. (Cl. 173—328)



In combination, a starter-holder casing and a lamp-holder casing, each casing being made of insulating material, each said casing having a longitudinal axis, said longitudinal axes being perpendicular to each other, said casings abutting each other at respective abutting faces, said abutting faces being parallel to the longitudinal axis of the starter-holder casing, said starter-holder casing having a first contact and a second contact and a third contact located therein, said second contact and said third contact having respective contact members extending therefrom and located in said starter-holder casing, said contact members being located and shaped to contact with the terminals of a starter switch, said lamp-holder casing having contact springs which are shaped and located to contact respectively with the respective prongs of a lamp, said contact springs being respectively conductively fixed to the first contact and to the third contact by respective metallic connecting members, said metallic connecting members being located in respective bores of said starter-holder casing, said second contact being fixed directly to said starter-holder casing by a respective connecting device, said lamp-holder casing having a perforated wall which has perforations for admitting said prongs, said perforated wall being parallel to the longitudinal axis of said lamp-holder casing, said lamp-holder casing being attachable to said starter-holder casing in two respective opposed positions which have an angular separation of 180°, fastening means which fasten said casings to each other, said first contact and said second contact and said starter-holder casing having respective pairs of bores, each said pair of bores being aligned with the longitudinal axis of said starter-holder casing, said connecting members being insertable through either bore of said contacts, said fastening means being insertable in either bore of said starter-holder casing.

2,363,735
MOIST HEAT PAD
Lewis A. Lord, Chicago, Ill.
Substituted for abandoned application Serial No. 438,843, April 13, 1942. This application February 8, 1944, Serial No. 521,540
3 Claims. (Cl. 219—46)



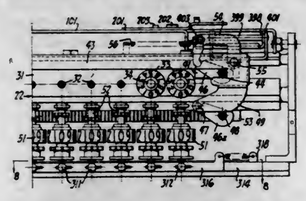
1. A moist-heat pad comprising a casing, a heating element housed within the casing, a perforated water coil carried by the casing spaced from the heating element but in heat conducting relation thereto, means for supplying electrical energy to the heating element, said means for supplying the electrical energy including a variable control switch and said means for supplying water including a control valve for regulating the water discharged from the coil.

2,363,736
STAINLESS STEEL PROCESS
John N. Lynn, Towson, Md., assignor to Rustless Iron and Steel Corporation, Baltimore, Md., a corporation of Delaware
No Drawing. Application July 31, 1941, Serial No. 404,919
7 Claims. (Cl. 148—12)

1. In preparing for cold-working a previously hot-worked hypereutectoid stainless steel containing at least 16% chromium and 0.75% carbon which is hardenable by heat-treatment, the art which includes, quench-hardening the same from a temperature of 1800° F. to 1925° F., and then annealing the hardened metal at a temperature of 1500° F. to 1600° F.

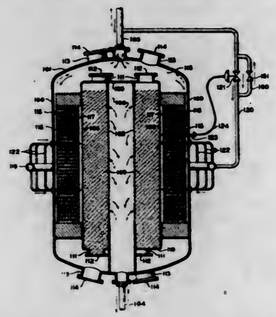
2,363,737
CALCULATING MACHINE
Anthony B. Machado, Oakland, Calif., assignor to Friden Calculating Machine Co., Inc., a corporation of California
Application April 8, 1941, Serial No. 387,408
10 Claims. (Cl. 235—63)

1. In a calculating machine having an ordinally shiftable carriage, a pair of registers, at least one of said registers being mounted in said carriage, and resetting means for said registers; a manually operable key, means controlled by said key for causing operation of the resetting means for one of said registers only, means also controlled by said key for preventing operation of the resetting means for the other of said registers, a



second manually operable key, a controlling connection from said second key for causing operation of the resetting means for both of said registers, and means controlled by said second key for rendering said preventing means ineffective, whereby upon simultaneous operation of said keys both said registers are reset to zero.

2,363,738
CATALYTIC REACTOR
Percy Mather and Lev A. Mekler, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application August 5, 1939, Serial No. 288,509
2 Claims. (Cl. 23—288)

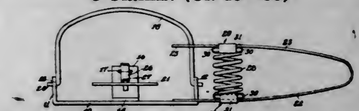


1. A reaction vessel of the class described comprising, in combination, an outer shell provided with inlet and outlet conduits, means holding a mass of catalytic material arranged concentrically within said shell, separated layers of refractory material disposed concentrically about, extending in parallel arrangement with, separated from and arranged to form a space between it and said catalytic material within the interior of said shell, said separated refractory material comprising a series of laterally disposed spaced apart rings, means for passing fluids serially through said refractory material and said catalytic material from said inlet to said outlet conduits, said means including a foraminous wall member separating the catalytic material from the refractory material and a second foraminous wall member on the concentric inner surface of the catalyitc material, said second foraminous wall forming a space communicating with said outlet, and a separate valved conduit establishing direct communication between one of the first named conduits and the space between the bed of catalytic material and the refractory material.

2,363,739
PRODUCTION OF HYDROCARBONS
Klaus Meisenheimer and Arno Scheuermann, Ludwigshafen-on-the-Rhine, Germany; vested in the Alien Property Custodian
No Drawing. Application February 20, 1940, Serial No. 319,838. In Germany February 21, 1939
3 Claims. (Cl. 260—449.6)

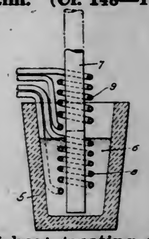
1. A process for the production of hydrocarbons with more than one carbon atom in the molecule by catalytic conversion of carbon monoxide with hydrogen, under pressures less than 20 atmospheres and at temperatures within the range of 180° to 230° C., which comprises employing a catalyst which contains cobalt and a substantial amount not exceeding 8 per cent by weight, calculated with reference to the cobalt, of a substance selected from the class consisting of silver and its compounds and which have previously been subjected to a treatment with a reducing gas in the reaction vessel employed for said catalytic conversion at a temperature of about the temperature employed in said catalytic conversion.

2,363,740
ANIMAL TRAP WITH AUXILIARY SPRING
Iver P. Melaas, Stony Brook, Minn.
Application January 13, 1944, Serial No. 518,107
3 Claims. (Cl. 43—88)



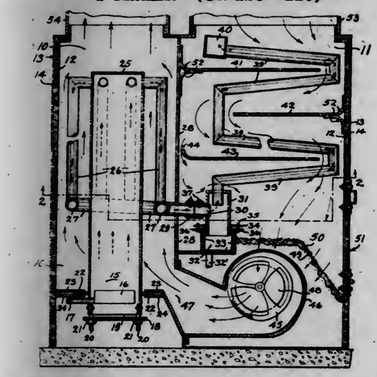
1. In combination with an animal trap having opposed jaws and a U shaped spring having means to close the jaws; an auxiliary coiled spring interposed between the members of said U shaped spring and clips at the ends of said coiled spring adjustable on the members of said U shaped spring.

2,363,741
HEAT TREATING
Donald H. Montgomery, West Hartford, Conn., assignor to The New Britain Machine Company, New Britain, Conn., a corporation of Connecticut
Application February 18, 1942, Serial No. 431,317
1 Claim. (Cl. 148—10)



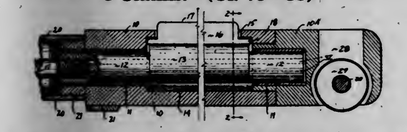
The method of heat treating a metal article, which includes immersing the article in a fusible bath non-oxidizing to the article and capable of wetting the surface thereof, inductively heating the article while so immersed in the bath, removing the article from the bath with part of the material of the bath forming an oxidation preventing coating thereon, then inductively heating the coated article, and thereafter reimmersing the article in the bath to quench the same.

2,363,742
FURNACE
John A. Norton, Indianapolis, Ind.
Application February 10, 1941, Serial No. 378,152
4 Claims. (Cl. 126—110)



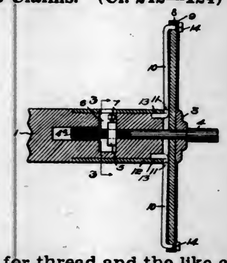
4. In a furnace, means forming two air circulation chambers positioned side by side for the intake and discharge of air to be heated; air intake and discharge means connected with the upper end portions of the respective chambers; fan means positioned to draw air downwardly through said air intake chamber and force the same upwardly through said air discharge chamber; a combustion chamber of smaller cross sectional dimensions than said air discharge chamber extending substantially from bottom to top of said air discharge chamber; substantially horizontal smoke pipe means extending around the combustion chamber at a substantial distance below the top thereof; a plurality of upright smoke pipes connected with the upper end portion of said combustion chamber and with said substantially horizontal smoke pipe means and extending longitudinally within said air discharge chamber; condensate removal means connected with said substantially horizontal smoke pipe means; a plurality of smoke pipes in said air intake chamber communicating with said substantially horizontal smoke pipe means; and flue means connected with the upper end portion of the smoke pipes in said air intake chamber.

2,363,743
WELDED PIPE BEAD ELIMINATOR
Robert C. Palmer, Youngstown, Ohio
Application July 23, 1942, Serial No. 452,114
3 Claims. (Cl. 78—38)



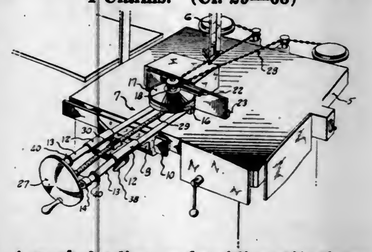
1. In an internal bead eliminator comprising a body member adapted to be positioned in newly formed pipe, an axially extending slot formed in said body member, an elongated hammer member positioned in the said slot in the body member and capable of movement with respect thereto so as to engage the said internal bead, means for imparting movement to the said elongated hammer member, said means comprising a shaft positioned in the said body member, an elongated cam formed on said shaft, means for holding the said body in operative position within the said newly formed pipe, and means extending away from the said device and connected to a power unit so that the shaft may be rotated thereby.

2,363,744
SPOOL
Walter E. Parker, Haverhill, Mass.
Application November 18, 1943, Serial No. 510,726
6 Claims. (Cl. 242—124)



1. A spool for thread and the like comprising a shank, heads therefor and thread guiding rods, said rods extending radially outward from said shank and adjacent the inner faces of the heads and terminating adjacent said shank in axially extending portions.

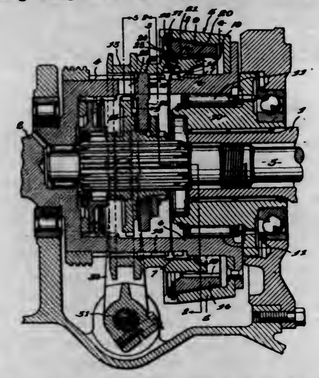
2,363,745
WORK GUIDING AND FEEDING ATTACHMENT FOR BAND SAWS
Hans Petersen, Minneapolis, Minn., assignor to Continental Machines, Incorporated, Minneapolis, Minn., a corporation of Minnesota
Application May 31, 1943, Serial No. 489,165
4 Claims. (Cl. 29—68)



1. A work feeding and guiding attachment for band saws and the like comprising: a bracket attachable to the work supporting table of the band saw; a pair of guideways rigidly mounted on the bracket; rods slidably received in said guideways; means rigidly connecting said rods at both ends; a miter head mounted on the means connecting the rods at one end; a work engaging face on said miter head; a feed screw journalled in the means connecting the rods and held against endwise movement with respect thereto; a hand wheel on the feed screw; and a nut carried by the bracket for engaging the feed screw so that rotation of the feed screw slides the rods and the work engaging face in a direction parallel with the axes of the rods.

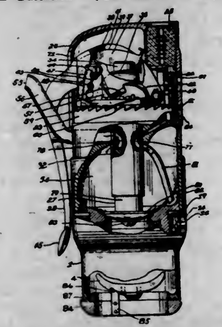
2,363,746
SYNCHRONIZING CLUTCH
Carl D. Peterson and Albert H. Deimel, Toledo, Ohio
Application August 7, 1943, Serial No. 497,841
4 Claims. (Cl. 192—53)

1. A synchronizing clutch including drive and driven members, one of said members having a hub and a friction ring spaced outwardly radially from the hub, a synchronizing ring rotatable with the other of the said members and having a limited rocking circumferential movement relatively thereto, the hub being formed with clutch teeth, and the other of said members being a collar having internal clutch teeth for coacting with the former clutch teeth and also having an annular portion enclosing the hub and extending into the synchronizing ring, the synchronizing ring having internal blocking teeth,



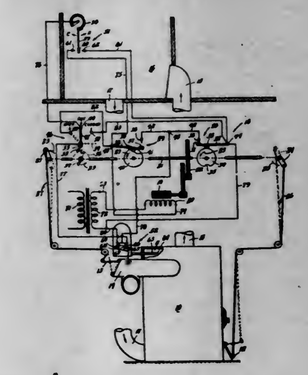
and the collar having external projections extending between said blocking teeth and being of less width than the spaces between the blocking teeth, for permitting limited rocking movement of the synchronizing ring, the collar also having a second set of projections alined, in an axial direction with the former projections for coacting with the blocking teeth and being of substantially the same width as the spaces between the blocking teeth and normally out of said spaces.

2,363,747
LEVER LOCK FOR DISPENSING DEVICES
Charles W. Reece, Bartonville, and James F. Cooney, Springfield, Ill., assignors of fifty per cent to said Reece, forty per cent to said Cooney, five per cent to George E. Boettcher, Springfield, Ill., and five per cent to Eva G. Reeder, Springfield, Ill.
Application January 12, 1942, Serial No. 426,526
1 Claim. (Cl. 222—153)



In a fluid dispenser for fluid bottles, a casing removably securable to the bottle neck, a dispensing lever pivoted within said casing with the lever's free end flanking the outer side thereof, a weighted pivoted tooth-type lug beneath said lever and stepped notches in the lever for receiving said lug and adapted to automatically prevent said lever from becoming adjusted to a fluid dispensing position until the casing and lever are tilted to a dispensing angle.

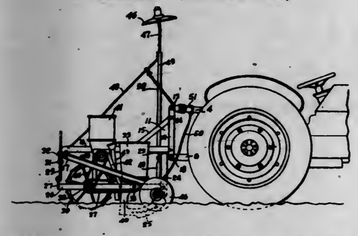
2,363,748
CONDITION CONTROL APPARATUS
Joseph E. Robb, Lawrence, Kans., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application August 8, 1942, Serial No. 454,149
13 Claims. (Cl. 236—9)



9. In combination, a motor operator comprising, motor means and an operator shaft unidirectionally driven thereby through a cycle having distinct successive first and second portions, said shaft having first and second positions successively attained by movement through said first and second portions of said cycle, a manually operable control member having first, second and third positions; said member being operably connected to said motor means for the control thereof, and means carried by said shaft and adapted to positively move said control member from said first position to said second position only during the second portion of said cycle of said shaft.

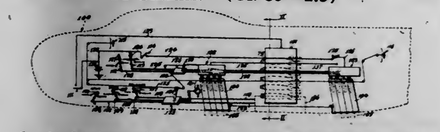
10. In a temperature control system, a furnace for heating a space, dampers on the furnace movable between draft-increasing and draft-retarding positions, a motor operator for driving the dampers between said draft-increasing and draft-retarding positions, a thermostat in the space for initiating operation of the motor in accordance with variations of the space temperature from a desired value, a manually operable switch associated with the motor movable to a first position in which the thermostat completes a circuit through the switch and to a second position in which the switch completes a circuit to the motor independently of the thermostat, said motor operating to drive said dampers to a draft-increasing position when said switch is manually moved to said second position, a thermostat in heat transfer relation with the furnace and responsive to a predetermined temperature thereof for initiating operation of the motor independently of the space thermostat and manual switch when the same is in said second position to drive the dampers to a draft-retarding position, and operative connections between the motor operator and manual switch operable to return the switch to the first position thereof only when the motor operates to move said dampers into said draft-retarding position.

2,363,749
TRACTOR-DRAWN LIFTABLE PLANTER
John F. Rude, Evansville, Ind., assignor to Blount Plow Works, Evansville, Ind., a corporation of Indiana
Application January 19, 1942, Serial No. 427,300
3 Claims. (Cl. 111—59)



1. Seed planting mechanism comprising a main frame adapted to be drawn by a source of motive power, an auxiliary frame carrying a planter unit including a seed-feeding device, a plow shoe and a ground wheel, one end of said auxiliary frame being swivelly mounted on said main frame, and a rod positioned between the other end of said auxiliary frame and the main frame, said rod being swivelly connected to the auxiliary frame and adapted to slide through an opening in the main frame, said swivel connections extending in a direction parallel to the longitudinal axis of the main frame.

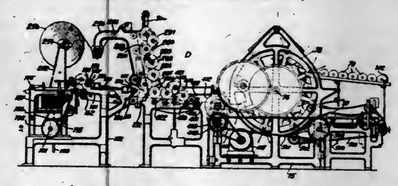
2,363,750
BOMB CONTROL MECHANISM
Edgar Schmued, Inglewood, Calif., assignor to North American Aviation, Inc., Inglewood, Calif., a corporation of Delaware
Application September 18, 1939, Serial No. 295,405
14 Claims. (Cl. 89—1.5)



1. A device of the type described, comprising a plurality of bomb-control mechanisms movable between hold and release positions respectively, a master element rotatable through a plurality of selective positions and operatively associated with a different one of said mechanisms in each selected position, means for moving said master element axially, and means responsive to such axial movement for releasing the mechanism operatively associated therewith, and means responsive to release by said master element of one of said mechanisms for rotating the master element into operative relation with another of said mechanisms.

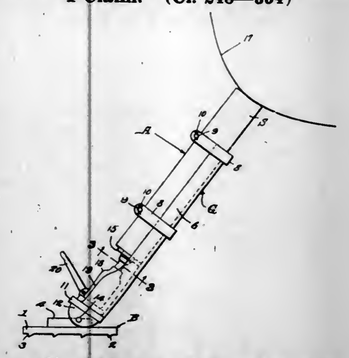
14. Bomb control apparatus for movable craft, comprising means for releasably supporting a bomb, conditioning means for rendering said bomb safe or armed, first means for actuating said supporting means to release said bomb, and second means for actuating said conditioning means independently of said first means, control means movable through a predetermined distance, means completely responsive to movement of said control means for actuating said conditioning means, and means completely responsive only to joint movement of said control means and actuation of said conditioning means for actuating said supporting means to release said bomb.

2,363,751
WRAPPING MACHINE
Rudolph Henry Schultz and Adam James Siebert, Brooklyn, N. Y.
Application August 3, 1940, Serial No. 351,028
12 Claims. (Cl. 93—2)



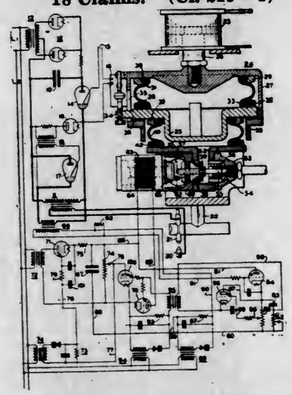
1. A machine of the character described comprising in combination with a wrapping mechanism for rolls, means for supporting said rolls axially thereof, means for moving the roll bodily in an orbital path, means for simultaneously rotating a roll upon its axis during a portion of its movement through the orbital path to receive a wrapper a way for sliding a wrapper in flatwise condition toward said rotating roll at the leading end of the path where the rolls rotate, the forward end of said way being movable upwardly to follow the orbital path of the roll, and a roller movably supported to follow the said orbital path of the roll and remain adjacent the said forward end of the way as the same moves, said roller engaging the wrapper upon the roll and winding the wrapper around the roll as the roll rotates.

2,363,752
JACK SHORE
Dale C. Scott, Battleground, Wash.
Application May 20, 1943, Serial No. 487,800
1 Claim. (Cl. 248—354)



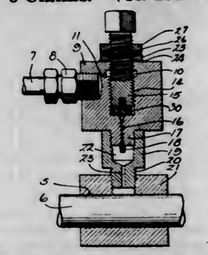
In an adjustable prop, a trough-shaped guide including oppositely-disposed angle members, each comprising a base flange and a side flange, the inner edges of the base flanges being spaced apart, a shore longitudinally adjustable in the angle members, the height of the side flanges being less than the corresponding dimensions of the shore, a foot forming a connection between the angle members at their lower ends, a partition spaced from the foot and forming a connection between the angle members and cooperating with the foot to define a jack-receiving chamber of fixed length, the partition having an opening through which the movable member of a jack may work against the lower end surface of the shore, the partition extending beyond the free, longitudinal edges of the side flanges, to form a shore-stop of approximately the same area as the lower end surface of the shore, and a yoke forming a connection between the angle members, in spaced relation to the partition, the yoke engaging the shore to retain it in the guide, for longitudinal adjustment.

2,363,753
WELDING APPARATUS
Clyde E. Smith, Port Homer, and Melvin M. Seeloff, Warren, Ohio, assignors to The Taylor-Winfield Corporation, Warren, Ohio, a corporation of Ohio
Application April 10, 1943, Serial No. 482,630
18 Claims. (Cl. 219—4)



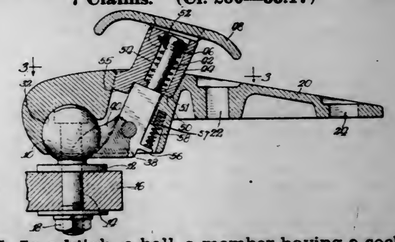
1. In welding apparatus having welding electrodes and means to conduct welding current thereto, the combination of means to move one of said electrodes toward the other of said electrodes, a welding pressure controlling device having a member connected to said means, a pair of bellows having spaced outer end walls attached to and carried by said member and interconnected inner end walls connected to the said one of said electrodes, and means to maintain fluid under pressure in the respective bellows.

2,363,754
FLOW REGULATING AND LIQUID DISTRIBUTING FILTER SYSTEM
Levi R. Smith and Ralph H. Yoeckel, Waukesha, Wis.
Application June 18, 1941, Serial No. 398,526
6 Claims. (Cl. 138—46)



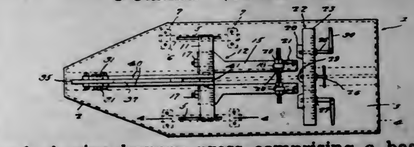
2. A flow controlling device comprising the combination with a casing having an inlet, an outlet, and conduit means between the inlet and outlet including a chamber having a screw threaded wall portion, and duct means leading from the end of the chamber, a screw loosely threaded to the threaded wall portion of the chamber, the threads of the screw and the chamber providing a liquid passage through said conduit, an elongated felted fibrous body confined between the screw and the end of the chamber covering said duct means and of sufficiently smaller cross section than the portion of the chamber in which it is located so that it has side surfaces exposed to receive from said chamber liquid which has traversed the screw threaded passage from said inlet, whereby liquid preliminarily restricted and filtered by traversing said screw thread passage enters side surface portions of said body and leaves said body longitudinally at a rate of flow controlled by the compression of the body.

2,363,755
BALL-AND-SOCKET TRAILER HITCH
Ray F. Smith, Des Moines, Iowa, assignor to Ideal Manufacturing Co., Des Moines, Iowa, a corporation of Iowa
Application September 27, 1943, Serial No. 503,905
7 Claims. (Cl. 280—33.17)



7. In a hitch, a ball, a member having a socket, a communicating recess to receive the ball and having a bore communicating with the recess, a ball-engaging element pivoted in the recess to move to and from ball-engaging position, and having a stem, a locking element receivable in the bore, said bore and locking element being so shaped that the locking element may be received in the bore and may be removed therefrom and moved to actuate said ball-engaging element, said locking element having a bore to slidably receive said stem, a cap on the stem, a spring on the stem held between the cap and the locking element for yieldingly tending to pull the locking element into the bore in the first-named member, said locking element having a handle which is detachable to afford access to the bore in the locking element.

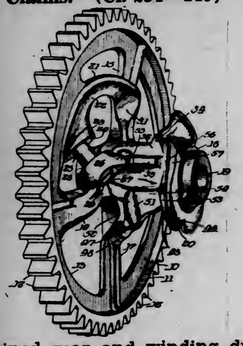
2,363,756
PIPE HANGER PRESS
Russell G. Solheim, Sawyer, Wis.
Application September 14, 1943, Serial No. 502,330
3 Claims. (Cl. 153—48)



1. A pipe hanger press comprising a base, a stationary bar mounted on the base, said stationary bar having longitudinal slots therein, screws rotatable and adjustable in the slots, blocks mounted on said screws, means for turning the screws, a movable bar on the base having longitudinal slots therein, a plurality of parallel plungers adjustably mounted in the slots of the movable bar, means for adjusting the plungers toward and away from each other,

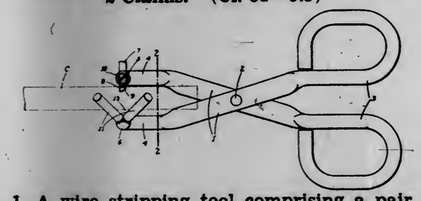
said plungers being cooperable with the blocks, and means on the base for actuating the movable bar and the plungers toward and away from the stationary bar.

2,363,757
COMBINED GEAR AND WINDING DRUM
John P. Templeman, Chicago, Ill.
Application August 20, 1942, Serial No. 455,465
8 Claims. (Cl. 254—149)



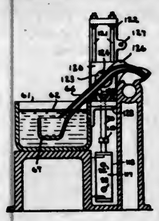
5. A combined gear and winding drum comprising a toothed rim having a flange on the inner side thereof, a hub having a flange thereon adjacent one end thereof, spokes connecting the hub with the said toothed rim, a web having a lug at one of its ends intgerally formed with the said flange and one of the spokes having a cam surface on one side thereof, one of said spokes having a lug formed at the base thereof opposite the lug on the said web, the said lugs having aligned openings therein and having parallel faces at an angle of approximately 45° to the plane of the wheel and to its axis of rotation whereby a chain is wound on the drum with the links thereof at angular positions, and a pin in said lugs, the flange on the hub having seats fashioned therein to receive and support one side of a link of a chain, with cooperating seats being formed at the base of the spokes to receive the links of the chain on the side opposite the said flange.

2,363,758
WIRE STRIPPING TOOL
Ernest S. Thompson, Stockton, Calif.
Application August 11, 1943, Serial No. 498,201
2 Claims. (Cl. 81—9.5)



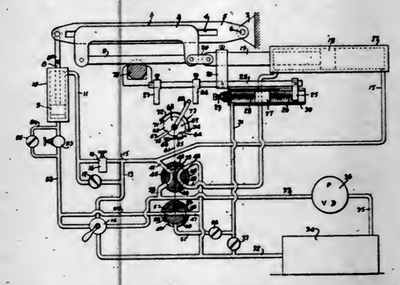
1. A wire stripping tool comprising a pair of supporting elements secured together for relative approaching and separating movement, a cutting blade mounted on one element and projecting toward the other element, and a wire receiving cradle mounted on the other element and opening toward said blade; said cradle being centered relative to the blade and comprising four rigid fingers fixed at their inner end on said other element and projecting in the direction of said one element in divergent relation to each other and approximately 90° apart.

2,363,759
CHARGING DEVICE FOR CASTING MACHINES
George A. Waldie, Dayton, Ohio, assignor to The Hydraulic Development Corporation, Inc., Wilmington, Del., a corporation of Delaware
Application March 21, 1942, Serial No. 435,691
6 Claims. (Cl. 22—79)



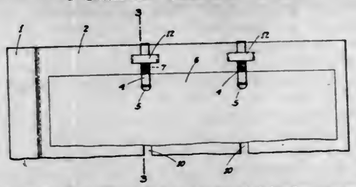
1. A charging device comprising in combination, storage means adapted to receive molten metal, a charging member pivotally movable selectively into a first position for dipping into said storage means to receive molten metal, or into a second position for discharging metal thus received, a slide, pivot means pivotally connecting said charging member to said slide, said slide being operable to move said charging member parallel to itself out of said container, fluid operable means operable selectively to actuate said slide, and means operable at a predetermined point of travel of said slide and responsive to the travel of said slide to cause said charging member to shift about said pivot means for discharging metal from said discharging member.

2,363,760
CONTROL SYSTEM
George A. Waldie, Edison, Ohio, assignor to The Hydraulic Development Corp., Inc., Wilmington, Del., a corporation of Delaware
Application November 12, 1942, Serial No. 465,519
8 Claims. (Cl. 60—97)



1. In a hydraulic control system, first fluid operable motor means, a fluid source for selectively supplying pressure fluid to said motor means for actuating the same, second fluid operable motor means, valve means for conveying pressure fluid from said fluid source to said first motor means, power storage means adapted to be charged in response to a movement of said first motor means, and means associated with said first motor means and operable in response to a predetermined travel thereof for actuating said valve means to convey power from said power storage means to said second motor means to actuate the same, while maintaining fluid connection between said first motor means and said fluid source.

2,363,761
COMBINATION BINDER AND CLIP
Emmett E. Ward, Stockton, Calif.
Application May 21, 1943, Serial No. 487,877
3 Claims. (Cl. 129—41)



2. A self-contained loose leaf binder comprising a flat substantially rectangular holder sheet, an elongated tab blanked out of such sheet and connected therewith at one end of the tab only, such connected end lying adjacent to but spaced from one edge of the sheet, a relatively short strip blanked out of the sheet and connected at both ends to the sheet, such strip lying in the space between the fastened end of the tab and the edge of the sheet which is adjacent the fastened end of the tab, the distance between the strip and connected end of the tab and the length of the tab being such that the tab may be projected upwardly through perforations in a number of loose leaf sheets and then under the strip whereby to hold such loose leaf sheets together on the holder sheet.

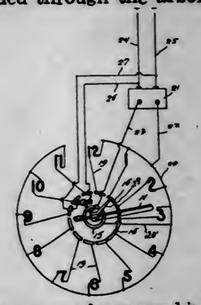
2,363,762
WINDSHIELD-VISOR-CLAMP COMBINATION
John Wardan, Hartford, Conn.
Application September 17, 1941, Serial No. 411,171
8 Claims. (Cl. 296—97)



1. A clamp structure for securing a visor or the like to a windshield structure comprising a three plate arrangement with a screw and nut for effecting the clamping, said plates being defined generally as bottom, intermediary and top, said intermediary plate serving as the support for the visor or the like, said bottom plate having laterally spaced claw structures for a windshield supporting structure or the like, an integral loop on the bottom plate threaded through an opening in the intermediate plate and superimposed by a loop on the top plate, the latter pressing against the intermediate plate by means of feet provided by the side-loop members of the top plate loop, all held together and secured to the windshield part.

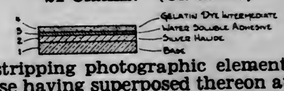
2,363,763
CLOCK
Howard D. Werts, La Salle, Ill.
Application September 27, 1943, Serial No. 503,989
1 Claim. (Cl. 58—50)

In an electric clock, an electric operated clock mechanism including minute and hour arbors and a dial face, electrically illuminated elements in the form of hour numerals carried by the dial and each denoting an hour, a minute hand in the form of an elongated electric light unit secured adjacent one end to the minute arbor to provide long and shorts ends projecting from the arbor and movable thereby one complete revolution each hour, an electric circuit connected to the clock mechanism for the operation thereof, a conductor ring on the dial face connected with said circuit, a contact on the short end of the minute hand in wiping contact with said ring and connecting the hand to the electric circuit for the continuous illumination thereof the long end of the light unit being grounded through the arbor, contacts one



for each hour numeral arranged in a circular path on the clock mechanism behind the dial face and electrically connected to the circuit, and a movable contact carried by the hour arbor and having wiping contact with the contacts connected to the numerals and remaining in engagement with each for a period of approximately fifty-nine minutes.

2,363,764
COLOR PHOTOGRAPHY
Clayton F. A. White, Stelton, N. J., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application August 1, 1940, Serial No. 349,310
21 Claims. (Cl. 95—8)

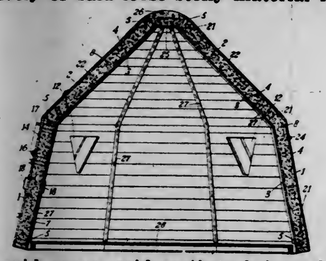


1. A stripping photographic element comprising a base having superposed thereon at least two coacting layers, one of which is light sensitive and the other of which is light insensitive and cold-water insoluble and comprises an immobile dye intermediate capable of forming both an azo dye and a dye selected from the group consisting of indophenol, indoaniline and azomethine dyes and a stripping layer comprising an adhesive stratum composed of an adhesive taken from the group consisting of water-soluble and water-swellable adhesives and of different composition and solubility characteristics from the aforesaid two coacting layers and which is disposed in the element in such a manner that at least one of aforesaid coacting layers is removable from the base by a stripping process; each of said layers being permeable to aqueous developer solutions.

2,363,765
PORTABLE BUILDING
Clifford Roger Fleming-Williams, deceased, late of Hayes, Middlesex, England, by Kathrin Winifred Fleming-Williams, executrix, Cranford, England, assignor to Car Cruiser Caravans Limited, Hayes, Middlesex, England, a company of Great Britain
Application September 2, 1941, Serial No. 409,310
In Great Britain September 25, 1940
2 Claims. (Cl. 189—1)

1. A portable building comprising sections of box-like nature each embodying inner and outer walls of wood and a bordering wooden framework to which said wall parts are fixedly attached

spaced from each other and providing a closed space within said framework and between said walls, a filling of loose stony material in said space of each of said sections, readily removable parts at upper and lower parts of each of said sections to facilitate filling and emptying respectively of said loose stony material into and



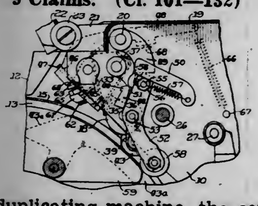
from said space, said sections being of similar outline each comprising a unitary structure embodying side wall and roof parts of which the roof part tapers upwardly and is truncated at the top end so that a hole bounded by such end of the several sections is formed at the apex of the roof, and means for supporting a filling of loose stony material in said hole.

2,363,766

PRESSURE COMPENSATOR FOR DUPLICATING MACHINES

Robert Alonzo Williams, Chicago, Ill., assignor to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia

Application September 18, 1942, Serial No. 458,782
9 Claims. (Cl. 101—132)



6. In a duplicating machine, the combination of a drum, a platen roller rotatably mounted in position to press on said drum, a bar adjacent to said platen roller, and means to guide a sheet assembly past said bar to the drum and platen roller, including a plate movably mounted to move toward and away from the bar for pressing sheets lightly against said bar, and means for moving said plate toward said bar comprising an actuating member and a yielding connection between the actuating member and the plate providing limited movement of the actuating member in a direction to urge the plate toward the bar without corresponding movement of the plate toward the bar.

2,363,767

PORTABLE BRIDGE STRUCTURE

Ivor B. Yassin, Cambridge, Mass.

Application January 6, 1943, Serial No. 471,460
12 Claims. (Cl. 14—1)



1. In a portable vehicle-bridge structure of the class described, adapted for use on a road intersection, a plurality of prefabricated units comprising: end units, each unit having two inclined-roadways with exit emplacing means united by structural trussing of a continuous type, and being joined together with intermediate double roadway units to form a unitary vehicle-bridge structure; additional roadway lengths as continuations of existing lanes, adapted to be attached to strengthened struts of the side trusses of the units to vary the inclination of the roadways; the inclined roadways of the end units being attached to transverse vertical support-frames with extensible lower sections of the columns thereof; each unit being coupled in combination with a mobile mount, so that it may be rolled into position for the assembly of the units and out of position on disassembly; said units, when they are set into position on a road and joined together, having the extensions of the transverse vertical support-frame lower columns slide into fixed emplacements so that all bridge loadings are removed wholly from the mobile mount to the ground; said assembled vehicle-bridge structure providing for a double traffic flow parallel to each other at the center of the bridge and diverting to an exit or entrance for one lane of traffic under the other exit or entrance in a double-level roadway combination, one exit or entrance being at a distance from the other; said assembled vehicle-bridge structure providing an overpass crossing over a main highway without obstructing the main highway.

2,363,768

MANUFACTURE OF PARA-XYLENE

Earl E. Zetterholm, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application March 31, 1943, Serial No. 481,272
5 Claims. (Cl. 260—673.5)

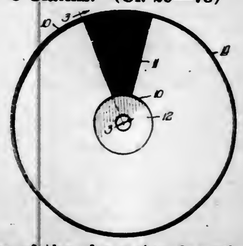
1. A process for producing para-xylene which comprises subjecting 2-ethylhexene to the action of a dehydrocyclization catalyst at a temperature in the approximate range of 450–750° C., a pressure of from about 10 to about 760 mm. of mercury and a liquid hourly space velocity of from about 0.1 to about 10.

2,363,769

ROTARY CUTTING DISK

Charles F. Zipper, Des Plaines, Ill., assignor to Albert G. Mather, Chicago, Ill.

Application June 26, 1942, Serial No. 448,572
3 Claims. (Cl. 29—78)



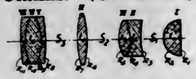
1. A device of the character described, characterized by a long thin saw band which is provided with a toothed cutting edge and is wound into a tight spiral coil to present a circumferentially continuous cutting face of substantial radial extent, and a rotary backing plate to which the coil is attached, said plate being provided with openings, and said coil being welded to the plate through the openings.

2,363,770

LENS SYSTEM

Alva H. Bennett, Kenmore, N. Y., assignor to Spencer Lens Company, Buffalo, N. Y., a corporation of New York

Application September 22, 1943, Serial No. 503,364
2 Claims. (Cl. 88—57)



1. An objective lens system comprising seven lens elements, the first of said elements being a single lens of glass having an index of refraction of approximately 1.57 and an Abbé number of approximately 57.4, the front surface thereof being approximately flat and the rear surface thereof having a radius of approximately —3.72 mm. and the thickness of said element being approximately 3.72 mm., a doublet comprising a front element having an index of refraction of approximately 1.58 and an Abbé number of approximately 46.0, the radius of said front surface being approximately —26.65 mm., the radius of the rear surface approximately 9.09 mm. and the thickness of said element approximately 2.40 mm., and the rear element having an index of refraction of approximately 1.43 and an Abbé number of approximately 95.4, the radius of the front surface being approximately 9.09 mm. and the radius of the rear surface approximately —7.18 mm. and the thickness of said element approximately 2.50 mm., the next element being a single lens having an index of refraction of approximately 1.54 and an Abbé number of approximately 59.9, the radius of the front surface being approximately 25.05 mm. and the radius of its rear surface approximately 18.19 mm., the thickness of said element being approximately 2.25 mm., and the next member comprising a triplet consisting of a front element having an index of refraction of approximately 1.57 and an Abbé number of approximately 57.4, the front surface having a radius of approximately 107.42 and the radius of its rear surface approximately —9.00 mm. and its thickness being approximately .95 mm., the center element having an index of refraction of approximately 1.43 and an Abbé number of approximately 95.4, the front surface thereof having a radius of approximately —9.00 mm. and the rear surface a radius of approximately —9.05 mm. and its thickness being approximately 3.60 mm., and the rear element having an index of refraction of approximately 1.58 and an Abbé number of approximately 46.0 with the radius of its front surface being approximately —9.05 mm. and the radius of its rear surface approximately —34.69 mm. and its thickness approximately .95 mm., the said objective having a magnification of approximately 20x and a focal length of approximately 8 mm., the separation between the front element and the second element being approximately .7 mm., the separation between the third and fourth elements 6.86 mm. and the separation between the fourth and fifth elements 1.44 mm.

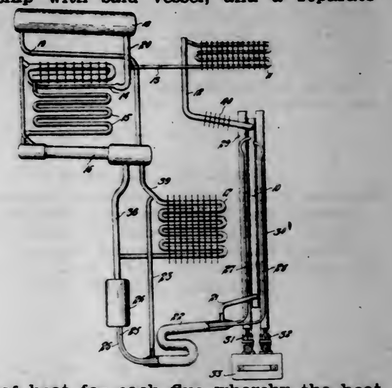
2,363,771

REFRIGERATION

Harry Karl Bergholm, Stockholm, Sweden

Application February 24, 1944, Serial No. 523,641
In Sweden January 14, 1943
7 Claims. (Cl. 62—119.5)

1. A generator for an absorption refrigeration system comprising a single generator vessel, means for supplying liquid to the vessel, means for discharging liquid from the vessel, separate means for conducting vapor from the vessel, a plurality of flues arranged in heat conducting relationship with said vessel, and a separate



source of heat for each flue whereby the heat is transmitted from the flues to the vessel to heat the liquid therein.

2,363,772

MAGAZINE AND BREECHBLOCK LATCHING MEANS FOR FIREARMS

Val A. Browning, Ogden, Utah, assignor to J. M. & M. S. Browning Company, Ogden, Utah, a corporation of Utah

Original application July 9, 1941, Serial No. 401,602. Divided and this application December 31, 1942, Serial No. 470,845
4 Claims. (Cl. 42—18)



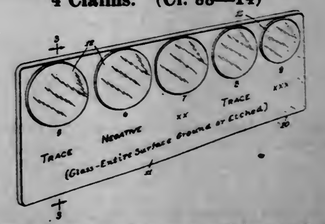
1. In a firearm of the type in which cartridges are supplied from a magazine having a follower and in combination a receiver, a breech block mounted for reciprocation therein, a magazine latch pivoted in said receiver for releasably latching a cartridge magazine to the firearm, a stop-open latch arranged to be operated by a follower of a magazine to latch the breech block in open position after the firing of the last cartridge, means for connecting said stop-open latch to said magazine latch for movement relative thereto towards and away from the line of reciprocation of said breech block and for swinging movement relative to said magazine latch, and a spring normally urging said magazine latch to latching position.

2,363,773

SPOT-TEST PLATE

Ralph P. Cargille, Kearny, N. J.

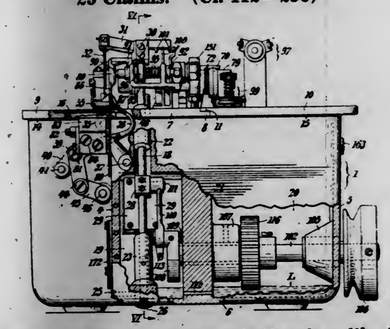
Application September 8, 1943, Serial No. 501,543
4 Claims. (Cl. 88—14)



1. A spot-test member, comprising a plate having a flat, continuous, upper non-reflecting and

washable marking surface, and a series of flat mirror-finished reflecting disks adjacently secured to said surface along an edge of the plate to afford of the latter spaces of relatively substantial areas juxtaposed to the respective disks, each disk presenting a level surface above the marking surface to receive a liquid test specimen and a reagent.

2,363,774
SEWING MACHINE
Norman V. Christensen, Chicago, George Sauer, Berwyn, and Ned Wallenberg, Chicago, Ill., assignors to Union Special Machine Company, Chicago, Ill., a corporation of Illinois
Application March 11, 1941, Serial No. 382,692
25 Claims. (Cl. 112—256)



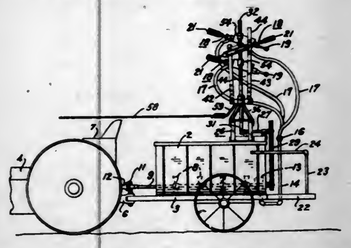
1. In a sewing machine, a hollow box-like base containing a supply of lubricating oil and closed at the top; a flat horizontal work support associated with the base; an endwise-reciprocating needle bar extending up from within the base through an oil-tight bearing in the top of the base; a needle carried by the protruding end of the bar for movement on its work-penetrating stroke down through the work support; a looper to cooperate with the needle beneath the work support; actuating mechanism within the base from which the needle bar and the looper derive their movements in properly timed relation; and means for lubricating the actuating mechanism from the oil supply within the base.

2,363,775
PANTIE GIRDLE
Elizabeth C. Clark, New York N. Y.
Application February 29, 1944, Serial No. 524,347
3 Claims. (Cl. 2—43)



1. A pantie girdle including a relatively inflexible abdominal embracing and supporting body member having depending leg portions each of which cover the front rear and side surfaces of the legs and which are open at the inner confronting sides thereof to define downwardly convergent front and rear side edges, gore pieces of relatively softer more flexible material than the body member and each having a concave upper edge and downwardly convergent front and rear edges, said gore pieces being respectively disposed within the open confronting inner sides of the leg portions and permanently secured at the front and rear edges thereof to the front and rear edges of the openings at the inner confronting sides of the leg portions with the upper concave edges of said gore pieces free and unsecured to provide a relatively large convenience opening, a cover flap of relatively softer and more flexible material corresponding approximately in size and shape to said gore pieces and permanently secured at its upper concave edge to the upper concave edge of one of the gore pieces with the remaining edges free and unsecured, and detachable means for connecting the side edges of the cover flap to the side edges of and in overlying relation with the other gore piece to close said convenience opening.

2,363,776
SPRAYING APPARATUS
George Lester Dale, Santa Clara County, Calif., assignor of one-third to Losse Ranch, Santa Clara County, Calif., a partnership
Application March 30, 1942, Serial No. 436,788
3 Claims. (Cl. 299—37)



1. Orchard spraying apparatus comprising a vehicle adapted to be attached to a tractor having thereon a station for the tractor operator, a drawbar and a power take-off, said vehicle having thereon means adapted to be connected to said drawbar, a tank, a spray device, means mounting said spray device for bodily movement over a substantially fixed path relative to said vehicle and for adjustment in another path, connecting means between said tank and said spray device, pump means to supply contents of said tank through said connecting means to said spray device, means to move said spray device over said substantially fixed path to increase thoroughness of spraying, means to connect said moving means to said power take-off, and means adapted to be extended to a point within reach of the tractor operator at said station to effect said adjustment of said spray device.

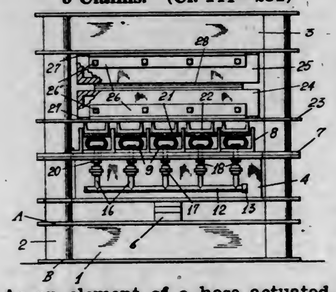
2,363,777
STABILIZATION OF ORGANIC SUBSTANCES
Frederick B. Downing and Charles J. Pedersen, Penns Grove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 1, 1942, Serial No. 467,554
22 Claims. (Cl. 44—71)

1. A composition comprising an organic substance, normally subject to deterioration caused by the action of molecular oxygen, containing a catalyst of the group consisting of manganese, iron, cobalt, copper and their compounds, normally effective to catalyze oxidation of said organic substance, and having incorporated therein a metal deactivator in a small proportion sufficient to deactivate said catalyst, said metal deactivator being identical with the compound obtained by condensing 1 mole of an alkali metal salt of an alpha primary amino aliphatic carboxylic acid with at least 1 mole of an ortho-hydroxy substituted aromatic aldehyde, so that not more than 1 mole of aldehyde reacts for each primary amino group of the salt.

2,363,778
STABILIZATION OF ORGANIC SUBSTANCES
Charles J. Pedersen, Penns Grove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 1, 1942, Serial No. 467,555
23 Claims. (Cl. 44—63)

1. A composition comprising an organic substance, normally subject to deterioration caused by the action of molecular oxygen, containing a catalyst of the group consisting of manganese, copper and their compounds, normally effective to catalyze oxidation of said organic substance, and having incorporated therein a metal deactivator in a small proportion sufficient to deactivate said catalyst, said metal deactivator being a heterocyclic carboxylic acid in which the heterocyclic ring consists of 1 nitrogen atom and 5 carbon atoms, the carbon atom of a carboxyl group being bonded to a carbon atom of the heterocyclic ring adjacent to the nitrogen atom of such ring.

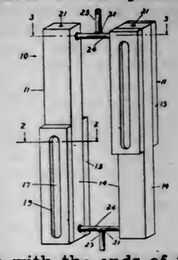
2,363,779
HOSE ACTUATED PRESS
David H. Duffy, James W. Wiley, and Milburn M. Ross, Wichita, Kans., assignors to Beech Aircraft Corporation, Wichita, Kans., a corporation of Delaware
Application June 25, 1942, Serial No. 448,449
5 Claims. (Cl. 144—281)



4. As an element of a hose actuated press, a channel comprising a web and legs extending outward from one side of the web, a plurality of hose sections vertically stacked in the channel and plates placed between the said hose sections, said plates adapted to float vertically between the legs of the channel as the hose sections are being inflated, and power means to inflate the hose sections for the purpose specified.

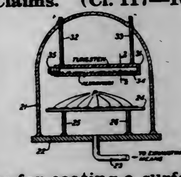
2,363,780
FLAT TYPE WATER LEVEL GAUGE ASSEMBLY
Eugene Ernst, Livingston, N. J.
Application September 20, 1944, Serial No. 554,877
3 Claims. (Cl. 73—329)

1. An offset flat type water level gauge, including a plurality of laminated gauge units each including a central plate having a longitudinal passage forming a water level chamber, tubes interconnecting said passages so that said units are in circulatory relation to each other, said tubes being at the upper and lower ends of said units in the plane of said plates and at right



angles thereto with the ends of the tubes being welded to said plates, each tube having an opening intermediate of its ends, and other tubes welded to the first mentioned tubes at the respective openings thereof, whereby the gauge is adapted to be connected to a boiler.

2,363,781
APPARATUS FOR AND METHOD OF APPLYING METALLIC COATINGS BY THERMAL EVAPORATION
Lawrence Ferguson, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 29, 1940, Serial No. 354,711
7 Claims. (Cl. 117—107)



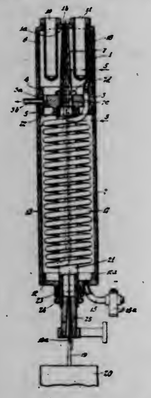
7. Apparatus for coating a surface of an object with aluminum by thermal evaporation comprising a vessel, means for exhausting air from said vessel, a rectangular tungsten heater element having a substantially continuous outer surface, said heater element having an inner chamber, a supply of aluminum in said inner chamber, means for heating said heater element, a table within said vessel for supporting said object to be coated, and means for supporting said heater element within said vessel above said table with one of the two larger sides of said element substantially parallel to said table with said one side closer thereto than any of the other sides of said heater element.

2,363,782
PROCESS FOR SEPARATING HYDROCARBONS
Frederick E. Frey, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application October 5, 1942, Serial No. 460,865
3 Claims. (Cl. 260—677)

1. A process of effecting the separation of isomeric close-boiling aliphatic C_4 to C_7 olefins of different carbon-skeletal structure from one another which comprises diluting a mixture of said isomeric aliphatic olefins with an essentially paraffinic high-boiling oil free from double bonds and having an initial boiling point of at least

175° C. in an amount such that the critical solution temperature of the mixture of the resulting mixture and sulfur dioxide described below is substantially above the critical solution temperature of the same mixture without said oil, extracting the resulting mixture with sulfur dioxide at a temperature below the critical solution temperature of the diluted olefin mixture and the sulfur dioxide but substantially above the critical solution temperature of the olefin mixture and the sulfur dioxide in the absence of said oil and at a pressure sufficient to maintain liquid phase conditions and thereby effecting preferential dissolution of the more branched olefin content of said mixture in the sulfur dioxide phase and concentration of the less branched olefin content of said mixture in the hydrocarbon phase, separating said phases, and recovering the olefins from the separated phases.

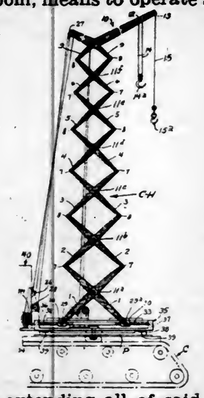
2,363,783
APPARATUS FOR IMPREGNATING THREAD
Edson F. Gallaudet, Pine Orchard, Conn.
Application June 14, 1941, Serial No. 398,050
9 Claims. (Cl. 91—53)



7. A nozzle through which a treated cord is adapted to be drawn comprising a base portion adapted to be mounted in a support, a portion tapering to an orifice, said tapering portion being formed of a plurality of sections tapering to extremities which form the said orifice, said sections having tightly engaging edges extending longitudinally of said tapering portion the said extremities being bent inwardly toward the nozzle axis, and an aperture extending through each section.

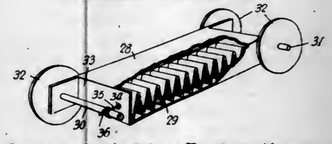
2,363,784
COLLAPSIBLE CRANE OR PLATFORM TOWER
Valentine Gerich, New York, N. Y.
Application June 28, 1943, Serial No. 492,638
5 Claims. (Cl. 212—55)

1. In a collapsible crane apparatus of the character described, including a plurality of toggle beams arranged in pairs and spaced apart and connectably secured together pivotally at their center and end portions, said toggle beams spaced apart by tubing members mounted onto tie-rods that extend through said toggle beams which are pivotally secured onto the ends of said tie-rods by lock-nuts, thereby holding all of said toggle beams rigidly in their pivoted positions, the lowermost toggle beams securely mounted onto a turntable member, and the uppermost toggle beams adapted to support a platform, which may be interchangeable with a box-like car, or a crane hoisting boom, means to operate said lower toggle



beams for extending all of said toggle beams to any desired height, and further means to lower said toggle beams to their collapsible and normal positions.

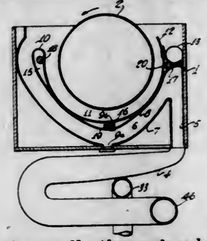
2,363,785
MOTIVE POWER FOR TOYS AND THE LIKE
Sam Gold, Chicago, Ill., assignor to Einson-Freeman Co., Inc., Long Island City, N. Y., a corporation of Delaware
Application August 17, 1943, Serial No. 498,921
2 Claims. (Cl. 46—1)



1. A device adapted to afford motive power for toys, comprising a springy body formed of a length of cardboard folded back and forth upon itself into a series of hingedly connected substantially rectangular sections arranged in zig-zag relationship, the cardboard having sufficient inherent resilience to urge said body into a normal relatively expanded condition whereby compression of the sections into a more closely packed group will store up motive energy which is released when the pressure is relieved, said sections being provided with aligned medial apertures, an elongated fixed chamber snugly accommodating said body along the folded sides thereof and guiding and supporting said body against lateral displacement relative to the folds, said chamber being provided with an end wall against which the body rests, and a tension member extending through said end wall and through said apertures into engagement with the remote end portion of said body whereby the application of a pulling force upon said member will compress the body toward said end wall of the chamber.

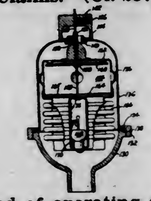
2,363,786
CYLINDER MACHINE CONSTRUCTION
Philip H. Goldsmith, Wilmington, Del.
Original application September 27, 1938, Serial No. 231,854. Divided and this application November 18, 1941, Serial No. 419,563
7 Claims. (Cl. 92—43)

1. In a cylinder paper machine, in combination, a vat, a cylinder mold in said vat, a curved inner wall cooperating with said mold to define a forming section between said inner wall and the surface of said cylinder mold through which a paper stock may flow, an outer wall approximately coextensive with said inner wall and adapted to form with said inner wall a space between said



inner and outer walls through which said paper stock may flow before reaching said forming section, and a plurality of adjusting means for selectively varying at a plurality of points the distance between said inner wall and the surface of said cylinder mold.

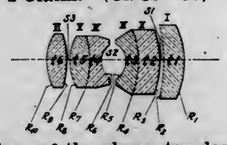
2,363,787
HEATING SYSTEM
Harold R. Goodale, Bristol, Conn.
Application December 30, 1939, Serial No. 311,713
29 Claims. (Cl. 237—9)



2. The method of operating a heating system, which consists in holding a partial vacuum in the system while the latter cools off, supplying heat to the system, and causing the resulting change of pressure in the system itself to break the vacuum and put the system at atmospheric pressure near the beginning of a heating cycle.

15. A vacuum breaking valve having a casing and a valve seat, a hollow valve adapted to engage the seat, a container connected to the valve, a bellows connected to the container, a thermostatic member acting to close the valve in the presence of heat, a sleeve within the bellows and having support from the casing, and a plug connected to the bellows and frictionally engaging the sleeve.

2,363,788
LENS SYSTEM
Nathan Gottlieb, Buffalo, N. Y., assignor to Spencer Lens Company, Buffalo, N. Y., a corporation of New York
Application August 27, 1942, Serial No. 456,439
1 Claim. (Cl. 88—57)

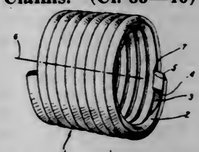


A lens system of the character described comprising four axial components, the second and third of which are cemented doublets, and having substantially the numerical data set forth in the following table wherein R_1 R_2 . . . designate the radii of the successive lens surfaces counting from the front t_1 t_2 . . . the axial thickness of the individual elements and S_1, S_2 and S_3 the axial air separations, N_D the mean refractive index and ν the Abbé ν number,

F=100 mm. f/2.0

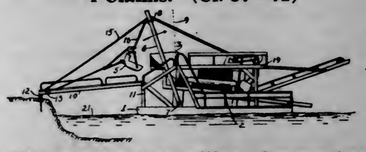
Lens	Glass N_D	Glass ν	Radii	Spacings
I	1.6109	57.2	R_1=+34.81 mm. R_2=+184.26 mm.	t_1=4.13 mm. S_1=1.22 mm.
II	1.6109	57.2	R_3=+18.85 mm. R_4=+54.33 mm.	t_2=4.82 mm.
III	1.6185	36.6	R_5=+13.02 mm.	t_3=2.07 mm. S_2=8.66 mm.
IV	1.6109	57.2	R_6=−14.34 mm. R_7=+138.36 mm.	t_4=2.07 mm.
V	1.6109	57.2	R_8=−18.80 mm.	t_5=4.82 mm. S_3=.73 mm.
VI	1.6109	57.2	R_9=+281.75 mm. R_{10}=−33.39 mm.	t_6=4.13 mm.

2,363,789
WIRE COIL INSERT
Otto Haas, Richmond Hill, N. Y., assignor to Aircraft Screw Products Company, Inc., Long Island City, N. Y., a corporation of New York
Application December 16, 1943, Serial No. 514,438
5 Claims. (Cl. 85—46)



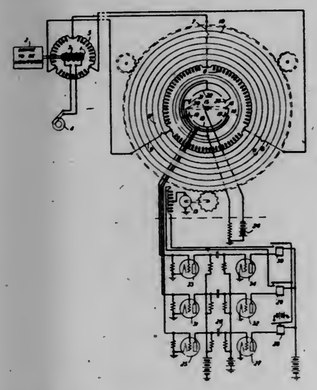
1. An insert for a screw connection comprising a substantially cylindrical wire coil, one end convolution of said coil being provided with a recess on its inner side near its free end, said recess having a depth of approximately half the wire thickness and having a substantially radial flank adjacent to said free end so as to form a hook for the engagement of a torque-applying tool.

2,363,790
DREDGER
Charles C. Herbert, San Jose, Calif.
Application July 1, 1943, Serial No. 493,147
4 Claims. (Cl. 37—71)



4. The combination with a dredger barge for placer mining having a washing plant disposed thereon including a receiving hopper mounted adjacent its forward end, of a boom mounted on its forward end adjacent the hopper, a strut pivotally mounted on the barge adjacent the hopper rearwardly of the boom and normally tilted forwardly with respect to the hopper, a dragline and bucket operatively mounted on said boom and strut, and operating means for said dragline including clutch controlled drums, operating rods for the clutches extending forwardly of the barge, and strut actuated means operative to actuate one rod to disengage one clutch at the close of its rearward movement.

2,363,791
SELF-SYNCHRONIZING DEVICE
William H. T. Holden, Woodside, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 11, 1942, Serial No. 468,656
7 Claims. (Cl. 172—239)



2. A telemetric device comprising means for setting up a magnetic field in any given direction, remotely controlled means for determining the direction of said field, a cathode ray beam device controlled by said field, and a circuit arrangement controlled by said cathode ray beam device for moving said magnetic field means.

2,363,792
ANTICORROSIVE
Edward J. Jahn, Edwardsville, Ill., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application March 1, 1943, Serial No. 477,673
18 Claims. (Cl. 252—56)

1. A corrosion-preventive composition comprising predominantly a stable, substantially neutral vehicle containing finely dispersed a corrosion inhibiting amount, less than 5% of a free dicarboxylic acid being the hydrolyzed condensation product between maleic acid anhydride and a polyolefinic hydrocarbon carboxylic acid having at least 10 carbon atoms, the carboxyl radical of said hydrocarbon carboxylic acid being esterified with an aliphatic alcohol.

2,363,793
WELL TESTING APPARATUS
Mont C. Johnson, Winterset, Iowa
Application July 14, 1941, Serial No. 402,387
7 Claims. (Cl. 166—19)

1. A device adapted to be lowered into a deep well by means of a measuring cable to obtain a sample of the fluid in the strata of the wall of the well at a predetermined depth, comprising a receptacle having an inlet opening in one side near its upper end, a yieldable nipple in said opening having one end projecting outwardly from said side and adapted to engage the adjoining side wall of said well, power actuated means for forcing said receptacle laterally to cause said nipple to engage said wall and to seal said opening against drilling fluids, a valve for said inlet opening, yieldable means maintaining said valve in a closed position, power actuated means for

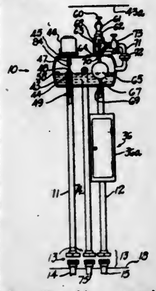


opening said valve, and remote controlled means for each of said power means controlling each of said power means independently.

2,363,794
PROTEIN COMPOSITIONS OF MATTER AND METHOD OF PREPARING SAME
Percy L. Julian, Maywood, Elmer B. Oberg, Evanston, and Bernard T. Malter, Chicago, Ill., assignors to The Glidden Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application April 8, 1939, Serial No. 266,860
14 Claims. (Cl. 106—154)

9. The process by producing a protein-formaldehyde solution characterized by its retarded gelling which comprises hydrolyzing a vegetable protein, forming an aqueous liquid solution of the hydrolyzed protein in amounts from 10 to 16% by weight of the water employed, and incorporating in said solution an aldehyde which commonly reacts with protein in an amount equivalent to from about 10% to 40% of formalin by weight of the protein.

2,363,795
HOT-WATER HEATING SYSTEM
Maxim Kronfeld, New York, N. Y.
Application November 4, 1943, Serial No. 508,993
5 Claims. (Cl. 237—63)



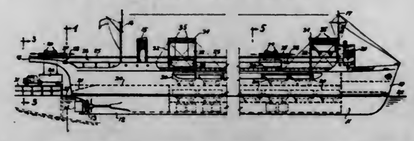
4. A hot water heating system including circulatory heat transmitting means comprising liquid filled upright conduits, heat exchange means interconnecting the conduits at their lower end, a tank interconnecting the conduits at their upper end, the tank having means for maintaining a fixed, free water level therein, one conduit having a portion extending into the tank to a point above the other conduit, a helical screw propeller in said portion having its upper operative portion at the upper end of said conduit portion and at said free water level, and a motor for actuating the propeller having its shaft directly connected to the propeller, and serving to cause the latter to lift a quantity of water from said conduit to overflow into the tank, said propeller and conduit so cooperating with each other that the amount of water lifted per unit of time is proportioned to the depth to which the propeller extends into said conduit, and is sufficient to produce an increased circulatory flow of the water.

2,363,796
ENCASED ELECTRICAL DEVICE
Anthony H. Lamb, Elizabeth, N. J., assignor to Weston Electrical Instrument Corporation, Newark, N. J., a corporation of New Jersey
Application September 5, 1941, Serial No. 409,752
1 Claim. (Cl. 88—23)



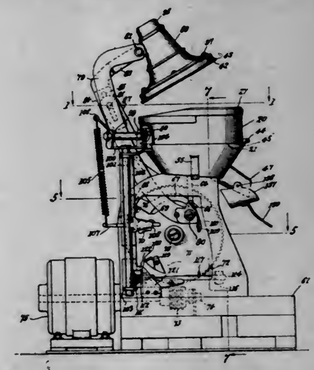
An encased electrical device comprising a measuring instrument having a pivotally mounted coil carrying a pointer, a scale plate and a photocell of the disk type, such parts of the instrument being mounted wholly within the confines of an integral hollow substantially concave casing, portions of said casing being transparent, said portions being in the bottom wall of said casing, said scale plate being mounted adjacent and facing one of such portions and said photocell being mounted adjacent and facing another of such portions, said casing being sealed by means of a cover, said cover being of the same material as said casing and being autogenously secured to said casing by means of a mass of plastic material of substantially the same chemical composition as said casing and cover, said mass extending along the flat contacting faces of said casing and cover, said transparent portions being disposed in side by side relationship whereby the effort exerted upon one side of the photocell is readable upon the scale, from the same side of the photocell.

2,363,797
UNIT LOADING CARGO VESSEL
Peer Lovfald, Middletown, N. J.
Application October 16, 1940, Serial No. 361,333
2 Claims. (Cl. 114—72)



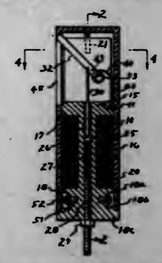
2. A vessel for truck and unit load transportation comprising a hull, said hull having a pair of stern davits as an integral part of same; a special stern port, normally open to the main deck of said hull; a central passage way communicating with the stern port and running longitudinally along the entire main deck of the vessel; a pair of crane rails mounted one on each side of said passage way and above same, said rails extending rearward to the end of said stern davits overhanging the stern of said vessel; a steel structure built transversally upon the upper deck of said vessel, said structure extending across the entire width of said vessel above said longitudinal crane; a pair of rails mounted on said structure; a travelling crane mounted on said rails, said crane travelling transversally across said vessel and having a clearance sufficient to hoist a trailer truck above said longitudinal crane, and hatches in said main deck and between deck whereby the placing of trucks or unit loads at any desirable place in the hold is possible.

2,363,798
CITRUS FRUIT JUICE EXPRESSING MACHINE
Frederick L. McCulloch, Tampa, Fla.
Application February 12, 1943, Serial No. 475,677
11 Claims. (Cl. 100—41)



1. In a juice extracting machine, a dumping mechanism comprising a fruit receiver, means to initiate tilting movement of said receiver, and potentially inactive means rendered kinetic by the initiating movement to finally and sharply further tilt the receiver to throw the fruit hull therefrom.

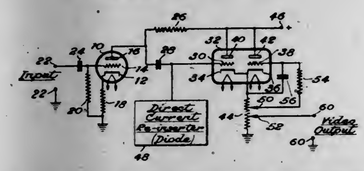
2,363,799
POTENTIAL INDICATOR
Allen G. Mahurin, Seal Beach, Calif.
Application October 12, 1943, Serial No. 505,995
3 Claims. (Cl. 171—95)



1. An electrical measuring instrument of the type which comprises a slotted exterior case, a solenoid with a longitudinally movable armature core therein and a movable pointer connected with the core; characterized by the provision of a unitary mounting core which comprises a coil spool with two end heads and a central longitudinal sleeve containing the movable core, and laterally spaced longitudinal projections extending from one of said spool heads; the pointer being movably supported on and between the two

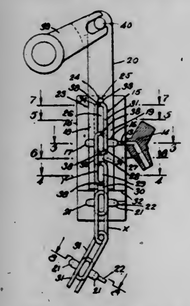
longitudinal extensions to move in a longitudinal plane; the case comprising a tubular side wall and one end closure, and the unitary mounting core being removably arranged in the case with one of the spool heads closing the other end of the case.

2,363,800
TELEVISION SYSTEM
Le Roy Moffett, Baldwin, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application March 31, 1942, Serial No. 436,936
8 Claims. (Cl. 178—7.2)



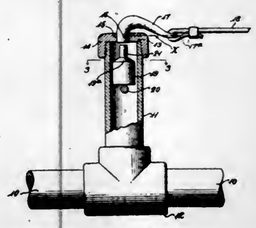
1. A television transmitting apparatus wherein a television image signal series is generated which at spaced intervals assume a value equal to the threshold value of the "blacker than black" region, comprising an amplifier incapable of transmitting direct current for amplifying the alternating current components of said image signals, means at the output side of said amplifier responsive to the peak values of said "blacker than black" interval signals for reinserting a fraction of the direct current component into said image signal series, and a direct current amplifier responsive to the fractionally reinserted direct current component for completing the reinsertion of the direct current component.

2,363,801
METHOD OF CASTING CHAIN AND THE LIKE
Louis H. Morin, Bronx, N. Y., assignor of one-half to Davis Marinsky, Bronx, N. Y.
Application June 27, 1942, Serial No. 448,816
17 Claims. (Cl. 18—59)



16. The method of producing a chain comprising a series of die cast links intercoupled for free relative movement and employing complementary and separable die parts, which comprises successively casting corresponding members of a pair of links in the same impressions of said die parts and on opposite sides of a partition positioned between and separable from said die parts and links and forming with the die parts impressions adapted to form said inter-coupled links, moving each casting, as formed, from said impressions into a predetermined position between said die parts before casting the succeeding pair of links, casting a portion of each of said succeeding pairs in interlocked and overlapped relation with said formed casting, separating said castings and partition from said die parts, separating the castings from the partition, and casting predetermined links of the resulting chain in one color material and other links of the chain in material of another color.

2,363,802
PRESSURE OPERATED RESTRAINING DEVICE FOR FIRE EXTINGUISHING SYSTEMS
Harry B. Quarfoot, Chicago, and Henry Robert Harper, Evanston, Ill., assignors, by mesne assignments, to Reconstruction Finance Corporation, Chicago, Ill., a corporation of the United States
Application June 4, 1943, Serial No. 489,668
17 Claims. (Cl. 169—11)



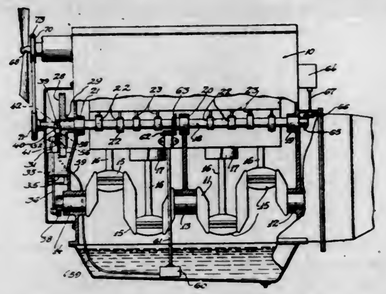
1. A pressure operated restraining device for fire extinguishing systems, comprising a pipe section to be supplied with a fluid under pressure, a part of said pipe section having an opening therein, means including a plug element to be disposed in said opening to perform a restraining function, said plug element being designed to be ejected from said opening to release said restraining means when fluid under pressure is supplied to said pipe section, and means operable by fluid supplied to said pipe section to eject said plug element and close said opening against escape of fluid from said conduit when said plug element is ejected therefrom.

2,363,803
PACKING COMPOUND FOR STUFFING BOXES
George T. Randolph, Owensboro, Ky.
No Drawing. Application April 25, 1942, Serial No. 440,559
5 Claims. (Cl. 252—14)

1. Packing compound comprising flat pieces of fresh untanned pork rind loaded with powdered graphite and tallow, said pieces having substantially beveled ends and being coated with flake graphite producing a slippery surface whereby contiguous pieces slide laterally relative to one another when subjected to pressure upon their flat sides, the beveled ends of said pieces permitting them to override one another in the course of their lateral movement.

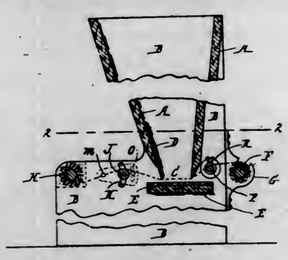
2,363,804
TWO DIRECTIONAL COMBUSTION ENGINE
George N. Reiland, Wisconsin Rapids, Wis., assignor to Frank D. Reiland, Chicago, Ill.
Application March 20, 1943, Serial No. 479,832
15 Claims. (Cl. 123—41)

1. In combination with the power shaft of an internal combustion engine and a revoluble member for imparting movements to other parts of the engine in timed relation to the movement of the power shaft; means for operatively connecting the power shaft with the revoluble mem-



ber and buffer means positioned in the path of movement of said revoluble member for preventing movement thereof beyond a predetermined position in one direction regardless of the direction of the movement of the power shaft.

2,363,805
APPARATUS FOR PREPARING SURGICAL PLASTER BANDAGES
Donald Arthur William Roberts, New Plymouth, New Zealand, assignor of thrity-two and one-half per cent to Ronald Winthrop and twenty-five per cent to Gordon Francis Rich, both of New Plymouth, New Zealand
Application October 13, 1941, Serial No. 414,902
3 Claims. (Cl. 91—30)



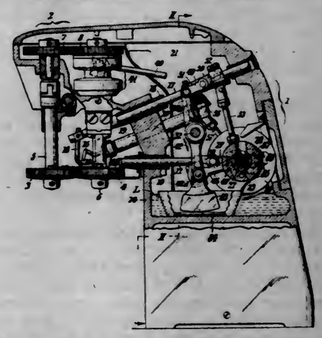
1. Apparatus for the preparation of surgical bandages by impregnation with powdered material comprising, in combination, a hopper having rear and front walls terminating in a transverse slot opening at the bottom, a scraper at the bottom of said rear wall, a plate disposed horizontally beneath the said slot opening at a short distance away therefrom, a spindle adapted to carry a roll of bandage material mounted to extend across the front of the hopper, a similar spindle mounted to extend across the rear of the hopper, which spindles have their axes parallel to each other and horizontal at about the level of the bottom of said hopper whereby a roll of said material placed on the front spindle may be passed therefrom across the aforesaid plate and beneath the hopper slot opening and wound upon the spindle at the rear, tensioning means between said scraper and the said rear spindle and positioned above the level of the working edge of said scraper and parallel to said edge, and means for adjustment of said means in its level in relation to such scraping edge.

2,363,806
FILE FOLDER SEAL
Thomas E. Robinson, Tulsa, Okla.
Application March 4, 1944, Serial No. 525,078
1 Claim. (Cl. 229—78)



The improvement in file folder seals of the type comprising a pliable sealing member fixedly attached at one end to one flap of the folder and the free portion whereof is adapted to cooperate with the other flap of the folder to thereby releasably retain said flaps in sealed relation; wherein said sealing member is formed of a pliable metallic strip which when in sealing relation to said flaps is provided at one end with a portion bent to overlap the inner face of one of said folder flaps, and which has a portion extending through said last named flap, and a portion overlapping the outer face of said last named flap, and a portion extending through said other flap from the inner face to the outer face thereof, and which is provided with a portion overlapping the outer face of said last named flap, and which also is provided at its free end with a portion which overlaps the inner face of said last named flap.

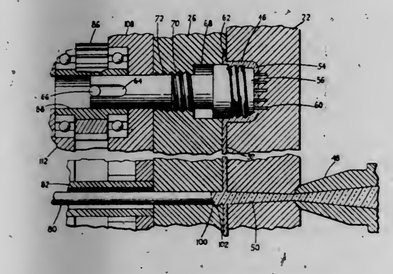
2,363,807
SEWING MACHINE
Charles F. Rubel, Chicago, Ill., assignor to Union Special Machine Company, Chicago, Ill., a corporation of Illinois
Application May 24, 1941, Serial No. 394,984
13 Claims. (Cl. 112—220)



2. In a sewing machine, a stitch forming instrumentality and a reciprocating carrier therefor, a horizontal rotary shaft; means including a rotary actuator on the shaft and a rocker for actuating the carrier; additional rotary actuators on the shaft for actuating other moving parts of the machine differing in weight and momentum, said rotary actuators being all mounted on the shaft intermediate its ends; means for damping vibrations in the machine including a weight mass associated with the rocker and reciprocated in a path substantially parallel to the line of movement of the carrier at a corresponding rate but in opposed relation thereto, and eccentrically weighted members of different mag-

nitude at opposite ends of the shaft differently disposed circumferentially thereof and coacting to counterbalance the several rotary actuators and the parts operated thereby.

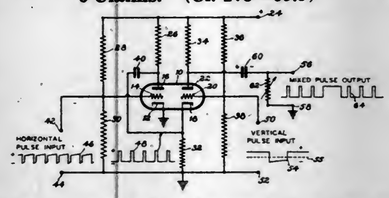
2,363,808
UNSCREWING DEVICE FOR THE MOLDING OF THREADED ARTICLES
Gordon B. Sayre, Boonton, N. J., assignor to Boonton Molding Company, Boonton, N. J., a corporation of New Jersey
Application April 19, 1940, Serial No. 330,494
24 Claims. (Cl. 18—16)



15. A molding machine comprising a cover die, a movable die plate, an ejector die carried thereby, unscrewing mechanism housed in a housing having extensive flat faces, said housing being disposed between the ejector die and the movable die plate for bodily movement therewith as a unit, a plurality of threaded cores carried by said ejector die, each core being threaded at its outer end to act as a molding surface, and slotted at its inner end for cooperation with a driving key, a thread on each core intermediate its ends and cooperating with a mating thread in the ejector die, said intermediate thread having the same pitch as the thread to be molded, said cores and mating threads forming a part of the mold separable from said uncrewing mechanism, whereby the latter may be used with any one of a plurality of molds, said unscrewing mechanism including a plurality of hollow shafts rotatably carried in said housing and keyed to receive the slotted ends of the cores, gearing in said housing interconnecting said shafts for simultaneous rotation, and means responsive to movement of the movable die plate for rotating said gearing.

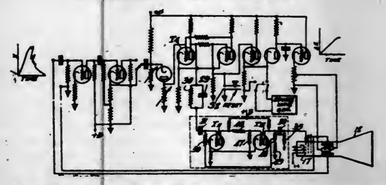
23. Casting apparatus comprising a cover die, an ejector die, an ejector pin for said ejector die, a rotatable and axially movable threaded core for said ejector die, said core having a master thread with the same pitch as the core thread, said ejector die having open shallow key passages opening on the parting face to receive molding material which prevents rotation of the molded piece while it remains in the ejector die, said key passages communicating with the cavity with small connections in order to facilitate subsequent separation of the excess molding material from the molded piece, and operating means to operate the aforesaid parts in such sequence that the ejector die is moved without the cover die, following which the core is rotated and moved axially in order to strip the core from the molded piece, while preventing rotation of the molded piece and axial movement of the molded piece out of the ejector die, following which the ejector pin is operated to eject the molded piece from the ejector die.

2,363,809
ELECTRONIC TUBE CIRCUIT
Otto H. Schade, West Caldwell, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application January 20, 1943, Serial No. 472,952
6 Claims. (Cl. 178—69.5)



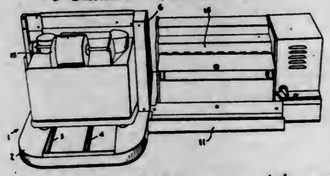
1. An impulse mixer for combining two series of impulses, the impulses of each series differing in time duration and frequency, comprising a first and second electron discharge path each including a cathode, a control electrode, and an anode, an anode load impedance associated with each electron discharge path, means for applying the impulses of one of the series to the control electrode of the first electron discharge path to produce voltage variations of corresponding time duration and frequency across the load impedance of that path, means including a coupling condenser for applying the voltage variations produced across the load impedance of the first electron discharge path to the cathode of the second electron discharge path, means for applying the other series of impulses to the control electrode of the second electron discharge path whereby the impedance of the second electron discharge path will be altered by both the applied produced voltage variations and the other applied series of impulses, and an output circuit coupled across the anode load impedance of the second electron discharge path.

2,363,810
BLANKING AMPLIFIER FOR CATHODE RAY OSCILLOGRAPHS
Harold J. Schrader, Haddonfield, and Ranald D. Scheldorf, Haddon Heights, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application February 26, 1942, Serial No. 432,396
3 Claims. (Cl. 315—20)



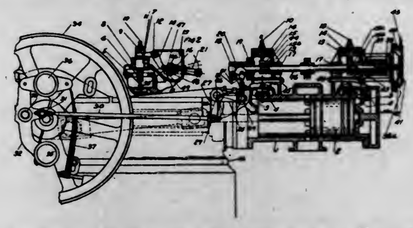
1. A cathode ray oscillograph having two pairs of deflecting electrodes and a beam intensity control electrode, means for applying a transient potential variation to one pair of deflecting electrodes, means responsive to the transient potential variation for producing an energy pulse of a predetermined polarity, means responsive to the energy pulse for generating a single sweep deflection potential variation, means to apply the single sweep deflection potential variation to the other pair of electrodes, additional means responsive to the produced energy pulse for generating a positive polarity voltage variation of substantially rectangular wave form, means to apply the generated positive polarity voltage variation to the intensity control electrode of the cathode ray oscillograph to increase the intensity of the cathode ray beam developed therein simultaneous with the application of the single sweep deflection potential variation, and means to re-set the single sweep deflection generating means.

2,363,811
CONTAINER
Sears R. Shearston, Miami, Fla.
Application December 21, 1940, Serial No. 371,127
9 Claims. (Cl. 235—1)



1. A container adapted to support in a predetermined position a calculating machine having an inclined keyboard fitted with a plurality of keys, said container comprising a base, side walls, a front wall and a top wall, said top wall being inclined at an angle to correspond with the inclination of the keyboard of said calculating machine, said top wall containing a plurality of openings registering with and corresponding in number to certain of the keys of said machine, whereby said keys may be selectively depressed from the exterior of said container.

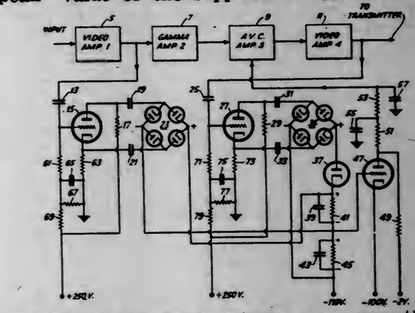
2,363,812
ENGINE CONTROL MECHANISM
James Le Grand Skinner, Erie, Pa., assignor to Skinner Engine Company, Erie, Pa., a corporation of Pennsylvania
Application January 20, 1943, Serial No. 472,953
8 Claims. (Cl. 121—127)



4. In an engine control mechanism, the combination of controlling inlet valves, a valve actuating controlling shaft having actuating cams varying in throw circumferentially and longitudinally, means actuated by the cams communicating the action of the cams to the valves, and means varying the rotatively directed movement of the shaft for one control and moving the shaft endwise to effect a second control through variation in the active cam surfaces.

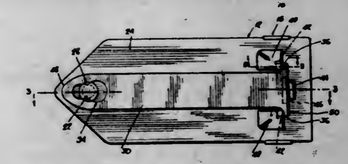
2,363,813
ELECTRICAL CONTROL CIRCUIT
Frank J. Somers, Rockville Centre, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application December 27, 1941, Serial No. 424,645
9 Claims. (Cl. 179—171)

4. A constant input to output "peak-to-peak" energy ratio amplifying system comprising means for supplying wave energy to be amplified, means for amplifying the supplied energy non-linearly with respect to the amplitude of the supplied energy, means for amplifying the non-linearly amplified energy, full wave rectifying means for deriving energy proportional to the "peak-to-peak" value of the supplied energy, full wave



rectifying means for deriving energy proportional to the "peak-to-peak" value of the non-linearly amplified energy, means for comparing the two derived energies and means for controlling the amplification of the non-linearly amplified energy in accordance with the difference between the compared energies.

2,363,814
SHOULDER BOARD OR SIMILAR ARTICLE
Franklin J. Stanton, Brooklyn, N. Y., assignor of one-half to Arthur Stanton, Brooklyn, N. Y.
Application October 12, 1942, Serial No. 461,806
4 Claims. (Cl. 2—246)

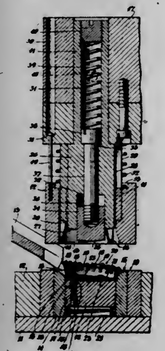


4. In an article of the kind described, a plate, a shouldered stud carried by said plate at the back thereof, a strip positioned at the back of said plate and extending longitudinally thereof, said strip having a bayonet slot at one end thereof in which said stud is received for removably securing said strip to said plate, laterally spaced retaining members fixed to the back of said plate in positions to engage the other end of said strip, and lateral projections at said other end of the strip releasably engageable by said retaining members, respectively, for releasably securing said other end of said strip, and interengaging members on said plate and strip for releasably holding said strip against movement longitudinally of said plate, said stud being in the retaining position of said bayonet slot when said last mentioned members are in said strip holding relation.

2,363,815
APPARATUS FOR RECLAIMING CROWN CAPS
George Franklin Stone, Nutley, N. J., assignor to Royal Crown Bottling Company of Newark, Inc., Newark, N. J., a corporation of New Jersey
Application December 11, 1942, Serial No. 468,872
16 Claims. (Cl. 113—38)

1. In crown cap reclaiming apparatus, the combination comprising, a female die having a

substantially cylindrical socket therein with the side walls of the socket having a plurality of circumferentially spaced apart slots extending a predetermined distance axially of the socket to receive the ribs intervening between the flutes in the skirt of such a cap and to provide shaping ribs intervening therebetween; a cap-aligning member in addition to said female die which member has a socket therein to receive such a



cap and adapted to cooperate with said female die when their axes are substantially aligned, and means in the member socket to engage in a flute in the skirt of such a cap on the outside thereof for alignment of the engaged flute with one of the shaping ribs of said female die; and means to move said cap-aligning member toward said female die with their sockets in opposed relation.

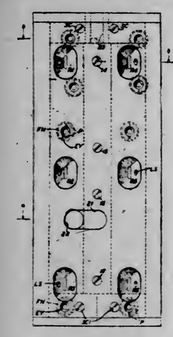
2,363,816

BACKBOARD SUPPORT FOR TELEPHONE COIN COLLECTORS

Miles L. Svikhart, Garden City Park, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application November 17, 1942, Serial No. 465,943

4 Claims. (Cl. 179—146)



1. A coin collector support for use in a telephone booth, said support comprising a plate, a reenforcing element for said plate disposed at right angles thereto, and end pieces disposed at right angles to said element and to said plate, said end pieces having portions secured to said plate and to said reinforcing element and serving as bearing points for said support.

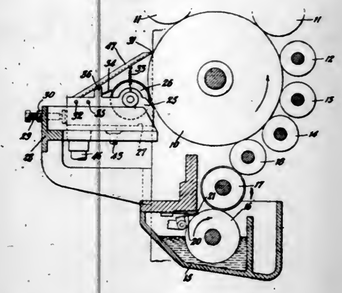
2,363,817

PRINTING PROCESS AND MECHANISM

Auburn Taylor, Charleston, W. Va., assignor to The Goss Printing Press Company, Chicago, Ill., a corporation of Illinois

Application September 14, 1942, Serial No. 458,179

18 Claims. (Cl. 101—350)



1. In a rotary printing press having an ink drum supplying ink to a member to be inked and axially reciprocating vibrating rollers to distribute ink over the surface of the ink drum, in combination, means for applying ink softening agent to the surface of the ink drum at an area not supplying ink to the member to be inked and receiving ink distributed by the vibrating rollers, and means for removing softened ink from the area.

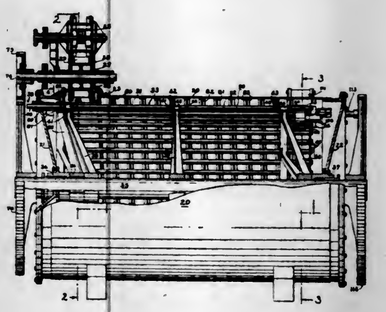
2,363,818

FOOD-PROCESSING APPARATUS

Albert R. Thompson, Los Gatos, Calif., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware

Application January 26, 1942, Serial No. 428,160

15 Claims. (Cl. 259—54)



1. Apparatus of the character described comprising a chamber having an inlet and an outlet, a reel rotatable within said chamber, said reel having a plurality of equally spaced apart container pushing rolls disposed longitudinally thereon and extending from said inlet to said outlet, the adjacent rolls forming troughs between them for receiving and supporting containers, means to introduce the containers in succession through said inlet and to deposit them one by one in the troughs between said rolls, and means to move the containers axially along said rolls from said inlet to said outlet when pushed by said rolls upon rotation of said reel.

2,363,819

DIPHENYL COMPOUNDS

William H. von Glahn, Loudonville, and Bernard W. Rottschaefer, Albany, N. Y., assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application March 14, 1942, Serial No. 434,787

3 Claims. (Cl. 260—571)

1. 2-amino-4'-hydroxy diphenyl.

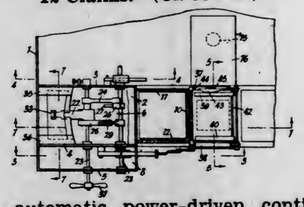
2,363,820

APPARATUS FOR THE AUTOMATIC PROJECTION OF PHOTOGRAPHIC TRANSPARENCIES AND THE LIKE

Percy Stuart Warriner, Doncaster, England

Original application August 3, 1940, Serial No. 350,968. Divided and this application June 18, 1941, Serial No. 398,664. In Great Britain June 10, 1940

12 Claims. (Cl. 88—28)



1. An automatic power-driven continuously operable slide projector comprising a slide magazine; a projection aperture; a slide ejecting mechanism operative to eject the slides from the magazine one by one and to place them in showing position over the projection aperture; a continuously running motor for driving the slide ejecting mechanism; an operative connection between the motor and the slide ejecting mechanism, which operative connection includes a driving member continuously driven by the motor and performing one cycle of operative movement per slide change in the operation of the projector and a driven member only intermittently driven by the driving member, being engaged thereby with consequent performance of an operative movement during a portion only of each cycle of operative movement of the driving member and remaining stationary during the remaining portion of said cycle, the said driven member being operatively connected to the slide ejecting mechanism so as when operated to operate the mechanism and having freedom for movement with consequent operation of the mechanism when the driving member is out of engagement with it; and a manual operating means for the slide ejecting mechanism, comprising an operating member connected to the aforesaid driven member otherwise than through the aforesaid driving member, an arrangement being thereby provided in which the ejecting mechanism is operable by hand when required without disconnection of the motor.

2,363,821

LIQUID LEVEL CONTROL FOR HYDROMATIC BRAKES

Samuel W. Webster, Houston, Tex., assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif., a corporation of California

Application July 8, 1940, Serial No. 344,407

2 Claims. (Cl. 188—90)

1. In means for controlling a hydromatic brake of the character described connected to a drawworks: a container adapted to be disposed adjacent a hydromatic brake; means adapted to operatively connect said container with the interior of said hydromatic brake; means for feeding water into said container; and standpipe means disposed at the driller's position of said drawworks operative to vary the height of water in said container, said standpipe means compris-



ing a pair of cylindrical members disposed one within the other and being arranged for relative rotation, there being openings in said cylindrical members cooperating as said relative rotation of said cylindrical members takes place to change the effective height of said standpipe means, and a pipe extending from said container to said standpipe means to carry water from said container to said standpipe means.

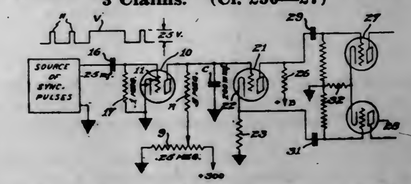
2,363,822

SAW-TOOTH DEFLECTION

Karl R. Wendt, Audubon, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application January 2, 1941, Serial No. 372,816

3 Claims. (Cl. 250—27)



1. In a directly driven horizontal deflecting circuit, a saw-tooth wave generator comprising a condenser, means for charging said condenser for a certain period during which the voltage thereacross increases predominantly as a linear function with respect to time, an electric discharge tube connected to complete a discharge path through which said condenser may be discharged, said tube having a control grid and having a cathode at a certain potential for substantially completely discharging said condenser and thereby bringing it to said cathode potential at the end of said period in response to a positive synchronizing pulse of a certain minimum duration being applied to said control grid, an electric discharge tube having input electrodes which are direct current coupled across said condenser for supplying the saw-tooth voltage appearing thereacross to a utilization circuit, means for impressing upon said control grid a mixed signal comprising positive horizontal synchronizing pulses of comparatively short duration and positive vertical synchronizing pulses of comparatively long duration, the discharge path of said condenser having

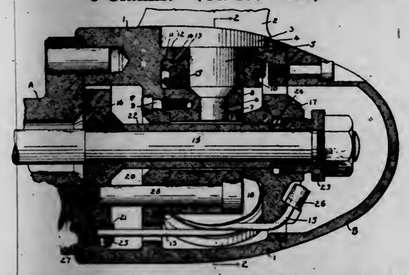
a time constant that is short enough so that said condenser will be substantially completely discharged by the shorter of said pulses as well as by the longer of said pulses.

2,363,823

PROPELLER ADJUSTING MECHANISM

George F. Wislicenus, Millburn, N. J., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware

Application July 23, 1942, Serial No. 452,025
5 Claims. (Cl. 170—163)



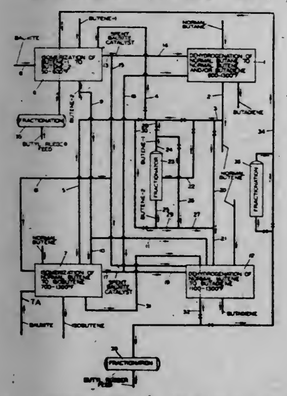
1. In a propeller pitch adjusting mechanism, a propelling shaft, a hollow hub member attached to said propelling shaft, a plurality of blades extending radially from and rotatably carried by said hub, an extension on the inner end of each of said blades and extending into and toward the axis of said hub, a drum fixed on each of said extensions, a tensioned member wrapped about each of said drums, moveable means carried by said hub, said tensioned members connected to said moveable means and moveable upon movement of said moveable means to impart rotary movement to said drums to vary the pitch of the propeller blades, means for individually adjusting the tension of said tensioned members, and means for adjusting the tension of all of said tensioned members in unison.

2,363,824

PROCESS OF TREATING HYDROCARBONS

I. Louis Wolk, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

Application October 26, 1942, Serial No. 463,387
17 Claims. (Cl. 260—680)



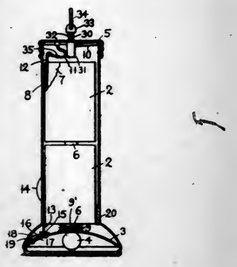
1. In a process for the catalytic dehydrogenation of paraffins and olefins by contacting under dehydrogenating conditions of temperature and pressure with a difficultly reducible metal oxide catalyst which when fresh is capable of effecting both isomerization of olefins and dehydrogenation of paraffins and olefins, the step which comprises preliminarily catalytically isomerizing an olefin by means of said catalyst until the olefin isomerizing activity of said catalyst is spent in a separate step prior to use thereof in said dehydrogenation step.

2,363,825

FLASHLIGHT ATTACHMENT

Michel N. Yardeny, New York, N. Y.

Application February 4, 1942, Serial No. 429,446
2 Claims. (Cl. 240—10.6)



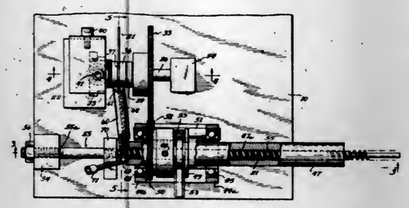
1. An attachment for a battery operated flashlight having a metal casing for the battery, said attachment comprising an outwardly expanding resilient ring of a diameter corresponding to the inside diameter of the bottom portion of the metal casing; a flexible conductor extending from the ring to the bottom end of the battery in the casing; and a sharp-pointed wedge-shaped conducting member at the end of the conductor arranged to be inserted between the metal shell of the battery and its outer insulating tube.

2,363,826

METHOD AND MACHINE FOR FORMING PLASTIC SPIRALS

Morris Yellin, Chicago, Ill.

Application March 19, 1942, Serial No. 435,425
4 Claims. (Cl. 18—5)



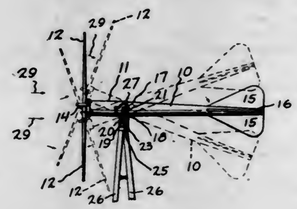
3. In a machine of the character described having opposed strand feeding rollers, a fixed spirally grooved mandrel, and a sleeve rotatable about the mandrel for feeding the strand through the groove thereof, a strand guiding finger disposed between the rollers and the mandrel, and said finger having a bore for passage of said strand and a hooked end forming an arcuate extension of one wall of the bore engageable over the mandrel adjacent one end of the sleeve.

2,363,827

DUALLY PIVOTED WIND DRIVEN POWER PLANT

John R. Albers, Sioux City, Iowa, assignor to Wincharger Corporation, Sioux City, Iowa, a corporation of Minnesota

Application June 29, 1942, Serial No. 448,995
11 Claims. (Cl. 290—44)



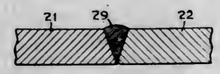
11. The combination in a wind driven power plant of a wind driven impeller, a generator, coupling means between the impeller and generator, a tower, means for supporting said impeller and generator for rotatable movement on said tower, said supporting means being arranged for movement on said tower in the horizontal and vertical planes, means arranged to be acted on by a prevailing wind for orienting the impeller axis in the direction of prevailing winds so as to extract maximum energy from said wind, said coupling means being so arranged that there is substantially no torque reaction produced by torque transmitted through said coupling means to disturb said orienting means, whereby maximum energy is extracted from winds of all directions, a conductor on said tower, means for transferring electrical energy from said generator to said conductor, said supporting means being mounted for pivoting movement between two extreme vertical positions in response to winds of varying directions, and means for maintaining said supporting means in a substantially median position in a vertical plane between said extreme positions in the absence of a wind.

2,363,828

METHOD OF WELDING

James L. Anderson, Closter, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York

Application March 24, 1942, Serial No. 435,929
4 Claims. (Cl. 113—112)



2. In the making of a welded joint, the method comprising gas-cutting the edge portions of the parts to be joined to form outside bevels at the edges of both of said parts for forming a trough when the edge faces are brought into confronting relation, gas-cutting an inside bevel of relatively little height along the lower edge portion of one, and only one, of said edge faces, positioning the parts for welding with the inside bevel surface overlapping the lower portion of the outside bevel surface of the other part, and welding the parts together while in such relation to one another.

2,363,829

FURFURALDEHYDE - KETONE - FORMALDEHYDE REACTION PRODUCT AND METHOD OF MAKING SAME

Solomon Caplan, New York, N. Y., and Mortimer T. Harvey, South Orange, N. J., assignors to Harvel Research Corporation, a corporation of New Jersey

No Drawing. Application October 7, 1942, Serial No. 461,202
19 Claims. (Cl. 260—64)

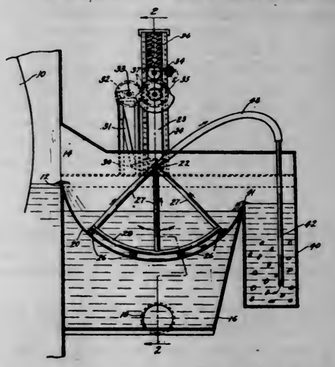
1. A substantially infusible material obtained by curing by heating under alkaline conditions the product of the succession of reactions comprising, first, reacting under alkaline conditions furfuraldehyde with a ketone having a hydrogen atom on an alpha carbon, and then reacting the resulting product of the said first reaction with formaldehyde under acid conditions.

2,363,830

AUTOMATIC SCRAPER FOR FILTER SCREENS

William M. Cary, Jacksonville, Fla., assignor to Combustion Engineering Company, Inc., New York, N. Y., a corporation of Delaware

Application July 31, 1941, Serial No. 404,780
3 Claims. (Cl. 210—150.5)



1. In apparatus for treating black liquor; an overflow box for receiving black liquor from an evaporator; an outlet for discharging liquor from said box; a screen disposed in the path of flow of liquor through said box for segregating lumps of material therefrom; a dissolving tank having an upper edge portion contiguous to and abutting an edge portion of said overflow box, whereby the liquid from said tank flows over said abutting edge portions of said tank and box into the latter; a scraper for removing lumps from said screen so arranged as to discharge lumps into said tank; and means for supplying a lump dissolving fluid to said tank.

2,363,831

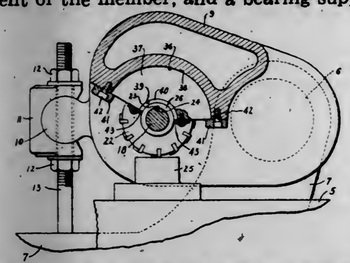
MILLING MACHINE

De Witt Clausen, Chicago, Ill., assignor to Lucien I. Yeomans, Inc., Chicago, Ill., a corporation of Illinois

Application October 26, 1942, Serial No. 463,312
6 Claims. (Cl. 90—20.5)

5. A mounting for the cutter arbor of a milling machine having, in combination, a rotary drive spindle for rotatably supporting one end of said arbor, an overarm having a partial cylindrical bearing surface concentric with said spindle axis, a member seated in said bearing surface

and having a surface bearing against said arbor, means for clamping said member against said bearing surface in different positions of axial adjustment of the member, and a bearing support-

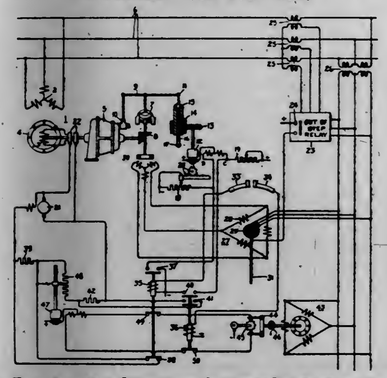


ing the outer end of said arbor and removably mounted in the outer end of said overarm to permit of endwise removal of said member from said overarm.

2,363,832
PRODUCTION OF MOLDED GELS
Gerald C. Connolly, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 27, 1940, Serial No. 372,018
7 Claims. (Cl. 252—259)

1. A method of plasticizing synthetic inorganic gelatinous materials to form a plastic product suitable for molding which comprises subjecting said gelatinous material to a shearing or tearing treatment to thereby convert said gelatinous material into a plastic mixture suitable for molding.

2,363,833
SYNCHRONISM CONTROL SYSTEM
Selden B. Crary, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application June 11, 1943, Serial No. 490,461
19 Claims. (Cl. 175—294)



1. In a synchronous-to-synchronous power system, a synchronous dynamo-electric machine, means for controlling the shaft torque of said machine, means for controlling the excitation of said machine, and means responsive to supersynchronous operation of said machine for causing said torque controlling means to provide a deceleration producing change in torque and for causing said excitation controlling means to increase the excitation.

2,363,834
NITRATION APPARATUS
Willard de C. Crater, Newark, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
Application June 30, 1942, Serial No. 449,130
3 Claims. (Cl. 23—266)

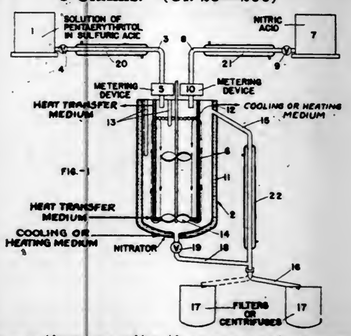
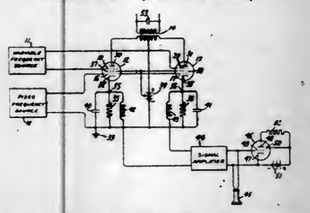


FIG. 1

1. A continuous nitration apparatus comprising a nitrating vessel, overflow means in said vessel for maintaining a predetermined liquid level, a concentric baffle forming an inner chamber within said vessel and extending from a point above the overflow means to a point adjacent the bottom of said vessel, openings in said baffle below the overflow outlet and adjacent thereto, means for delivering nitrating acid and nitratable material within said baffle at a point above the openings of said baffle, agitator means for circulating fluid through said openings from without to within said baffle, the walls of said vessel and said baffle defining a substantially unobstructed space between them.

2,363,835
FREQUENCY CONVERSION
Howard M. Crosby, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application April 1, 1943, Serial No. 481,445
4 Claims. (Cl. 250—39)

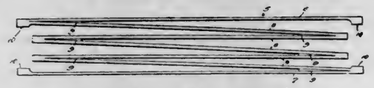


1. The method of maintaining constant the frequency of electric oscillations comprising beating electric oscillations of a predetermined normal fundamental frequency, subject to variation with electric oscillations at a fixed frequency which is an integral multiple of said fundamental frequency to obtain oscillatory output energy at first sum and difference frequencies, beating said oscillations of fixed frequency with one phase of a harmonic oscillation of said fundamental frequency having a frequency normally substantially equal to said fixed frequency to obtain oscillations at second sum and difference frequencies, beating said oscillations of fixed frequency with the opposite phase of said harmonic oscillations to obtain oscillations of opposite phase at said second sum and difference frequencies, deriving a signal indication from said oscillations of opposite phase at said second difference frequency, and adjusting said fundamental frequency to maintain said signal indication fixed.

2,363,836
PREPARATION OF HEAT-CONVERTIBLE, SOLUBLE, FUSIBLE POLYMERS OF DIVINYL BENZENE
Gaetano F. D'Alelio, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
No Drawing. Application June 23, 1942, Serial No. 448,158
2 Claims. (Cl. 260—91)

1. The process of preparing a heat-convertible, fusible polymer of divinyl benzene which comprises, polymerizing a solution of divinyl benzene in a dialkyl benzene having at least two carbon atoms in each alkyl grouping in the presence of both an added inhibitor consisting of copper and an added polymerization catalyst, for a period substantially less than required to cause gellation, and isolating the partially polymerized product.

2,363,837
WOODEN SPRING
Lucius A. Daugherty, Norfolk, Va.
Application January 29, 1943, Serial No. 473,994
1 Claim. (Cl. 5—255)



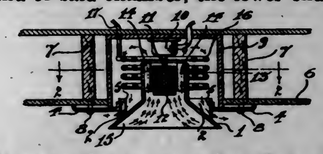
In a wooden spring, spaced parallel wood members having the ends thereof enlarged to form rests projecting laterally thereof and the rests of one member opposing the rests of the other member, elongated flexible wooden strips grouped between said members terminating longitudinally inwardly of said rests and each having an end thereof integrally connected with the strip adjacent thereto and the strips adjacent said members being integrally connected with said members, and wedges located between the strips and between the members and the strips adjacent thereto, the wide ends of the wedges at the respective ends of the members terminating in a common vertical plane.

2,363,838
DEMULSIFYING AGENT
Boris S. de Mering, Shreveport, La.
No Drawing. Application February 22, 1943, Serial No. 476,766
3 Claims. (Cl. 252—334)

1. A demulsifying agent for water-in-oil emulsions containing as an essential ingredient a petroleum sulfonic body, and including a thinning amount of a substance selected from the group consisting of pyridine and quinoline.

2,363,839
UNIT TYPE AIR CONDITIONING REGISTER
Charles Demuth, Jamaica, N. Y.
Application February 5, 1941, Serial No. 377,414
4 Claims. (Cl. 98—33)

1. In an air conditioning and distributing unit, the combination of a housing having a top wall and downwardly extending peripheral side walls providing an air tempering chamber open at its lower end, conduit means centrally disposed within said housing and providing a passage of general funnel shape having a neck and a mouth, the neck of said passage being in communication with said chamber and directed toward its top and the mouth of said passage being disposed below the open end of said chamber, the lower end of said



conduit means having an outwardly and downwardly flaring wall providing with the lower portion of said chamber wall an emission nozzle, and a centrifugal fan mounted on an axis extending within the neck of said passage substantially coaxial therewith to draw air into the mouth thereof and pass it from said passage neck through said chamber and discharge it through said nozzle.

2,363,840
FILTER
Harry W. Denhard, Oakland, Calif., assignor to Oliver United Filters Incorporated, Oakland, Calif., a corporation of Nevada
Application January 3, 1944, Serial No. 516,839
4 Claims. (Cl. 210—201)

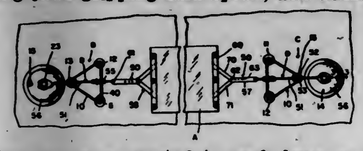


4. In a filter wherein a filter drum is arranged to rotate through a body of material to be filtered, and in so doing to pick up a cake of solids under the influence of a differential filtering pressure, a discharger for removing said cake of solids from said filter drum, comprising: a plurality of spray nozzles aligned across the face of said filter drum and directed substantially tangentially thereto; a plug valve associated with each of said nozzles, said plug valve being formed with a transverse fluid passageway and being rotatable through 180° so as to reverse said passageway end for end; a doctor blade disposed across the face of said drum immediately above said nozzles and formed with openings therein opposite said plug valves; and means for establishing communication between said nozzles and a source of fluid under pressure.

2,363,841
PAINT MASK STRUCTURE
James Edward Duggan, Detroit, Mich.
Application March 30, 1942, Serial No. 436,914
15 Claims. (Cl. 91—65)

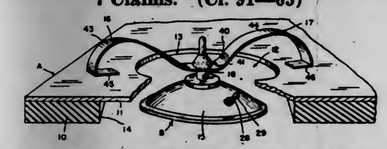
1. A paint mask structure attachable to an article to be painted, comprising an apron for covering a portion of said article to protect it against paint applied to the article, suction means attachable to said article beyond opposite edges of said apron, a frame carried by each suction means, a pivoted lever carried by each

frame, a harness connected to each lever and having jaws gripping said apron, and additional



suction means connected to each lever and attachable to said article in spaced relation to the suction means aforesaid.

2,363,842
MASK STRUCTURE
James Edward Duggan, New Brighton, Pa.
Application September 8, 1942, Serial No. 457,658
7 Claims. (Cl. 91—65)



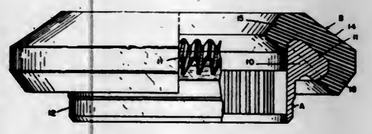
1. A mask structure of the class described comprising a plate-like masking element for covering a surface to be protected, and means for holding said element in operative masking position relative to said surface, the plate-like element being provided upon the underside thereof with cushioning means for yieldably supporting the element upon said surface, said means being formed of resilient material so as to conform to and fit snugly against any uneven portion of said surface, the holding means being loose with respect to said element and including suction means beneath said element for engagement with said surface, and spring arms upon said element and operatively connected to said suction means.

2,363,843
PAINT MASK STRUCTURE
James Edward Duggan, Detroit, Mich.
Application May 18, 1942, Serial No. 443,518
3 Claims. (Cl. 91—65)



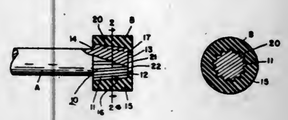
3. Means for protecting the working surfaces of circumferentially spaced transversely extending teeth of a gear from paint or plating material applied to the body portion of said gear, comprising a relatively elastic solid masking annulus for peripheral mating engagement with said gear, said masking annulus having a peripheral surface substantially less than the mating peripheral surface of said gear so that said masking annulus may be fitted by stretching it under tension against the working surfaces to be masked, said masking annulus having transversely extending portions substantially equal in length to the length of the transversely extending teeth of said gear, the transversely extending portions being so spaced and of such depth and thickness that when the masking annulus is stretched over the working surfaces to be masked said transversely extending portions will be squeezed into snug non-slip surface to surface engagement with the working surfaces of said teeth to prevent paint or plating material applied to the body of the gear from entering the spaces between the teeth of said gear.

2,363,844
MASK STRUCTURE
James Edward Duggan, Indianapolis, Ind.
Application January 15, 1943, Serial No. 472,517
6 Claims. (Cl. 91—65)



1. A mask for protecting the working surfaces of the teeth of a bevel gear from plating material, paint and the like applied to other portions of said gear, comprising a solid dished annulus of resilient material having a circumferentially extending channel within the dished portion thereof for receiving the teeth of said gear, the base of the channel being provided between opposite sides of the channel with circumferentially spaced transversely extending webs for masking engagement with the working surfaces of the teeth of said gear, opposite sides of said channel being provided at the free edges thereof with circumferentially extending inwardly directed lips for sealing engagement with the gear upon opposite sides of the teeth thereof.

2,363,845
MASK STRUCTURE
James Edward Duggan, Birmingham, Mich.
Original application May 18, 1942, Serial No. 443,518. Divided and this application July 19, 1943, Serial No. 495,321
5 Claims. (Cl. 91—65)



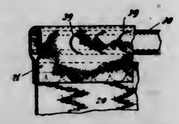
5. Means for protecting simultaneously the working surfaces of circumferentially spaced splines of a splined end portion of a shaft and a portion of the adjacent end of said shaft from paint or plating material applied to the body portion of the shaft, comprising a resilient relatively elastic solid annular masking element having an interior perimetrical surface substantially less than the exterior perimetrical surface of said splined portion so that said masking element may be fitted by stretching it under tension onto the working surfaces to be masked, said masking element having inwardly extending radial projections so spaced and of such depth and thickness that when the masking element is stretched onto the working surfaces to be masked said radial projections will be squeezed into snug non-slip surface to surface engagement with said working surfaces to prevent paint or plating material applied to the body of the shaft from entering the spaces between the splines of said splined portion, said masking element also having at one end thereof an inwardly projecting flange adapted to overlie in surface to surface relation the adjacent end of the shaft when the radial projections aforesaid are squeezed into snug engagement as aforesaid with said working surfaces to prevent paint or plating material applied to the body of the shaft from contacting the portion aforesaid of the adjacent end of said shaft.

2,363,846
PAINT MASK STRUCTURE
James Edward Duggan, Birmingham, Mich.
Application July 19, 1943, Serial No. 495,322
5 Claims. (Cl. 91—65)



5. Means for protecting the working surfaces and opposite ends of circumferentially spaced transversely extending teeth of a gear from paint or plating material applied to the body portion of the gear, comprising a resilient relatively elastic solid annular masking element having an interior surface substantially less than the exterior surface of said gear so that said masking element may be fitted by stretching it under tension over the teeth of said gear, said masking element having portions adapted to be squeezed into snug non-slip surface to surface engagement with the working surfaces of the teeth of said gear and having other portions adapted to overlie opposite ends of the teeth of said gear when the element is fitted as aforesaid to prevent paint or plating material applied to the body of the gear from contacting the ends and working surfaces of the teeth of said gear.

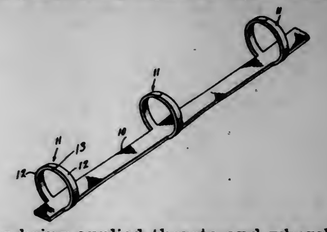
2,363,847
CURTAIN
Andrew Dudas, Pittsburgh, Pa.
Application March 4, 1944, Serial No. 524,986
3 Claims. (Cl. 160—387)



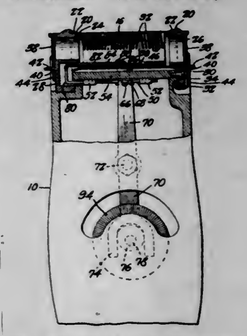
1. A curtain comprising a main curtain portion and a valance attached to the upper edge thereof, said valance forming a passageway for a curtain rod, the rear portion of said passageway provided with a row of pairs of opposing semi-circular slits adapted to provide openings and means for closing said openings.

2,363,848
PLASTIC LOOSE-LEAF BINDER
Charles Edward Emmer, Chicago, Ill., assignor to General Binding Corporation, Chicago, Ill., a corporation of Illinois
Application January 2, 1943, Serial No. 471,175
7 Claims. (Cl. 129—1)

4. As an article of manufacture, a split binder ring for use in loose leaf binders, magazines, and the like comprising a pair of cooperable fingers made of a thermoplastic material connected together by an intermediate thermoplastic portion of less rigidity than that of the ring portions, said ring portions normally having their free ends juxtaposed to define substantially a closed ring and being separable upon a separating force being applied thereto and whereby the intermediate portion flexes to permit of the opening of the ring.



2,363,849
DRY SHAVER
Theodore Bailey, Habana, Cuba
Application February 18, 1943, Serial No. 476,343
8 Claims. (Cl. 30—43)

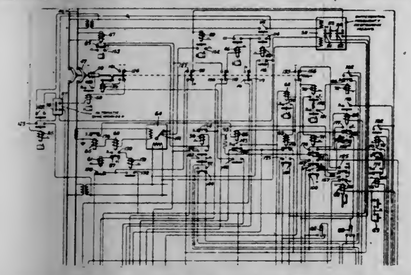


1. A shaving device of the character set forth, comprising a handle forming a housing, an operating motor within the housing, freely rotatable outer tubes having hair receiving perforations, said tubes having flared ends, members carried by an end of the housing in opposed relation, flanges on the inner sides of said members having bearings located within the flared ends of said tubes to support said tubes for rotation, slotted inner tubes fitting inside said outer tubes for hair cutting coaction therewith, and means operated by said motor for reciprocating said inner tubes relatively to said outer tubes.

2,363,850
CONTROL EQUIPMENT FOR PRIME MOVER ELECTRIC GENERATING PLANTS
Herman Bany, Lansdowne, Pa., assignor to General Electric Company, a corporation of New York
Application November 22, 1941, Serial No. 420,148
9 Claims. (Cl. 290—44)

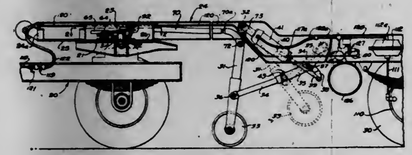
1. In combination, an alternating current generator having a field winding, a fluid driven prime mover for said generator having a driving propeller which is subjected to fluid of variable velocity, means for varying the blade angle of said propeller, an energized electric system, means operative when the velocity of the driving fluid for said prime mover is below a predetermined value for causing said blade angle varying means to adjust the propeller blade angle to a predetermined inefficient value, an exciter driven by said prime mover, means responsive to a prede-

termined subnormal speed of said prime mover while the blade angle is at said predetermined inefficient value for causing said blade angle varying means to change the blade angle towards



its most efficient value thereby effecting an increase in speed of said prime mover; means dependent upon the exciter voltage building up to a predetermined value for connecting said generator to said system.

2,363,851
POWER-OPERATED AUTOMATIC SEMITRAILER
Robert M. Barnhart, Alhambra, and James S. Tormey, Temple City, Calif., assignors to Utility Trailer Manufacturing Company, Los Angeles, Calif., a corporation of California
Application March 28, 1941, Serial No. 385,676
18 Claims. (Cl. 280—33.1)

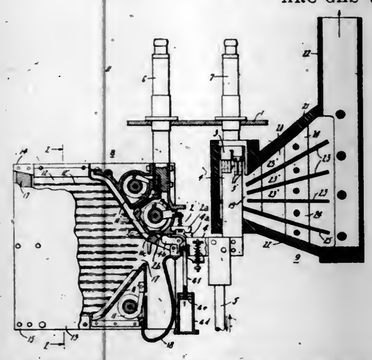


1. In a tractor and semi-trailer combination in which the tractor and trailer are provided with interengaging draft elements including a releasable draft lock operable to lock the two vehicles together, in which the trailer is provided with a support actuatable between supporting and non-supporting conditions by an operating means independent of the tractor draft element, and in which the trailer is provided with a brake system of the type involving a pressure supply and control line means wherein pressure variations cause application of pressure to brake actuating mechanism to set the brake; the combination of means for actuating the support including a motor element adapted to be pressure actuated in either of two directions, means whereby pressure existing in the line means tends to cause motor operation in a direction to actuate the support into non-supporting condition, and means whereby brake setting pressure existing in the brake actuating mechanism is applied to the support actuating motor to cause motor operation in a direction to actuate the support into supporting condition.

2,363,852
WEATHERPROOF SNAIL BAIT
John G. Beekler, Santa Monica, Calif.
No Drawing. Application July 12, 1941, Serial No. 402,243
6 Claims. (Cl. 167—48)

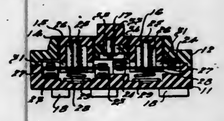
1. A weatherproof snail bait comprising finely divided metaldehyde distributed in paraffin wax.

2,363,853
ELECTRIC AIR CIRCUIT BREAKER
Robert M. Bennett, Ithan, Pa., assignor to General Electric Company, a corporation of New York
Application June 5, 1942, Serial No. 445,857
4 Claims. (Cl. 200—145)



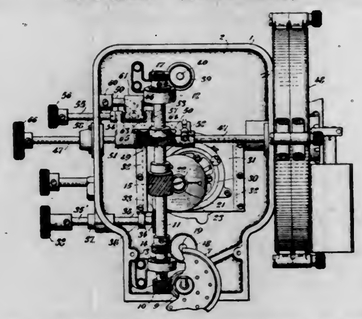
1. An air circuit breaker comprising relatively movable contacts arranged to draw the interrupting arc substantially simultaneously within two arc extinguishing structures, one of said structures having arc barriers composed of an inorganic insulating material arranged to lengthen and attenuate the arc as it passes into said structure so as to cool the arc stream and greatly increase its electrical resistance, the other of said extinguishing structures forming a passage in part closely confining a portion of said interrupting arc, said passage having walls and confining structure composed of organic insulating material, such as hard fibre, adapted to release an arc extinguishing gas under influence of the arc heat, said last-named extinguishing structure having means for directing said gas through said arc portion to extinguish it by expulsive action.

2,363,854
PUSH BUTTON SWITCH AND MOUNTING
Josef Bierenfeld, Shorewood, Wis., assignor to Square D Company, Detroit, Mich., a corporation of Michigan
Original application December 1, 1937, Serial No. 177,409. Divided and this application January 31, 1941, Serial No. 376,777
8 Claims. (Cl. 200—5)



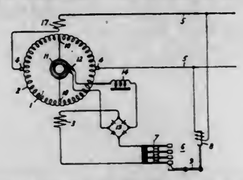
1. An electric switch assembly comprising an outer enclosing box having an openable cover, an electromagnetically operated switch within the box and including insulating portions at least partially enclosing the cooperating contacts thereof, an auxiliary push button switch for controlling the energization of said electromagnetically operated switch and mounted within said box on said insulating formations, said push button switch having relatively rigid projections engageable with said formations to properly locate the position of the push button switch, said push button switch having elongated resilient projections frictionally engageable with said insulating formations to releasably maintain the push button switch in position thereon, said box cover interlocking with said push button switch when in its closed position to positively prevent movement thereof.

2,363,855
FRAMING MECHANISM
Ewald Boecking, Great Kills, N. Y., assignor to International Projector Corporation, New York, N. Y., a corporation of Delaware
Application February 19, 1941, Serial No. 379,575
10 Claims. (Cl. 88—18.3)



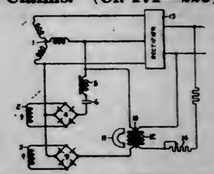
1. In a motion picture projector, a shutter shaft, an intermittent film feeding mechanism, a housing for said mechanism, means to move the said mechanism and housing relative to the optical axis of the projector, a cam shaft forming a part of said mechanism, means to rotate said cam shaft and said shutter shaft synchronously by the movement of said mechanism when the mechanism is moved relative to the optical axis and means to prevent the said housing from partially rotating when the said housing is moved.

2,363,856
REGULATING CIRCUIT
Alec Fisher, Lynn, Mass., assignor to General Electric Company, a corporation of New York
Application December 30, 1941, Serial No. 424,914
4 Claims. (Cl. 171—119)



1. In combination, a variable speed dynamo-electric generator having a rotor, an armature winding and an effectively shunt connected field winding, said armature winding having induced therein an alternating voltage whose frequency is proportional to the speed of said rotor and whose magnitude is proportional to the flux produced by said field winding, and a reactor connected in series circuit relation with said field winding, said generator having a magnetic circuit with a predetermined armature voltage vs. field current saturation characteristic, said reactor producing a field current vs. frequency characteristic by reason of self-saturation of its magnetic circuit which is substantially the inverse of said saturation characteristic.

2,363,857
REGULATING CIRCUIT
Frederick E. Crever, Scotia, and Jerry L. Stratton, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application December 30, 1941, Serial No. 424,918
8 Claims. (Cl. 171—223)

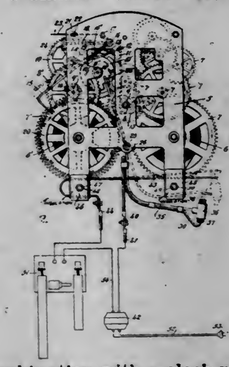


1. In combination, a variable speed dynamo-electric generator having an armature winding and an effectively shunt connected field winding, said armature winding having induced therein an alternating voltage whose frequency is proportional to the speed of said generator and whose magnitude is proportional to the flux produced by said field winding, voltage control means for said generator comprising a reactor connected in series circuit relation with said field winding, and voltage regulating means for said generator comprising armature winding voltage responsive control means for the field flux of said generator, said regulating means being separate from and independent of said reactor and providing field flux for said generator which is cumulative with the flux produced by said field winding.

2,363,858
HYDROCARBON TREATMENT
Stewart C. Fulton, Elizabeth, and Thomas Cross, Jr., Union, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application September 28, 1939, Serial No. 296,919
6 Claims. (Cl. 260—683.5)

2. The method of isomerizing normally gaseous hydrocarbons which comprises contacting said hydrocarbons with a catalyst prepared by impregnating silica gel with a solution of $AlCl_3$ in a liquid chlorinated hydrocarbon solvent and heating the mass to remove the solvent.

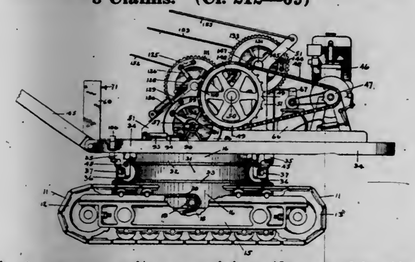
2,363,859
ELECTRIC CHIME ON WINDING CLOCKS
Philip Gangemi, West New Brighton, N. Y.
Application September 3, 1942, Serial No. 457,212
3 Claims. (Cl. 58—38)



1. The combination with a clock mechanism of the spring wound type, of an electrical chime

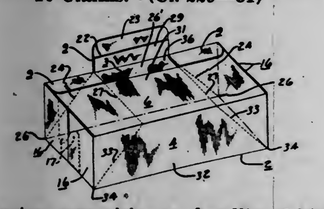
mechanism, an electrical contact member, a conductor leading from such member to the chime mechanism, a rocker arm pivotally mounted in said clock, an electrical contact carried by said arm, a transformer, a conductor leading from said arm contact to said transformer, a second conductor leading from said transformer to the electrical chime, and means controlled by the clock mechanism for actuating said arm at predetermined intervals in the operation of the clock to close the circuit for operating the chime.

2,363,860
POWER SHOVEL UNIT
John H. Gentry, near Greentown, Ind.; Eunice Ellen Gentry administratrix of said John H. Gentry, deceased
Application July 14, 1943, Serial No. 494,665
8 Claims. (Cl. 212—69)



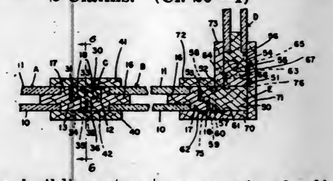
1. A power unit comprising the combination of a base having an upper cylindrical portion; a track carried by said cylindrical portion; a platform; a plurality of rotatable members bearing on said track to roll therealong; means supporting said platform on said rotatable members whereby the platform may be revolved about the axis of said portion; a power source mounted on said platform; a primary gear having its axis coinciding with the axis of said cylindrical portion; a pinion gear driven by said power source and meshed with said primary gear; said primary gear being mounted on said base to be rotatable in respect to both said platform and said portion; a pair of traction members, one on each side of said base; a pair of drive members carried by the base, one connecting with each traction member; drive means between said primary gear and said drive members; whereby locomotion of the unit may be had through said primary gear; and means selectively holding said drive members individually or simultaneously against rotation.

2,363,861
CARTON
Charles H. Goodyear, Stockton, Calif., assignor to Fibreboard Products, Inc., San Francisco, Calif., a corporation of Delaware
Application May 24, 1943, Serial No. 488,121
10 Claims. (Cl. 229—51)



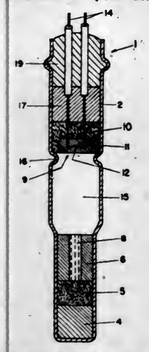
1. A carton comprising a plurality of hingedly connected walls, all but one of such walls being provided with tear lines enabling portions of the carton to be disengaged, and the tear lines in the walls connected to said one wall leading from a position between the ends of such walls obliquely to all the corners of said one wall to allow opposite end portions of the carton to be disengaged and leave said one wall intact and flat.

2,363,862
BUILDING STRUCTURE
Alfred Hancock, Detroit, Mich., assignor to Stout Houses, Incorporated, Detroit, Mich., a corporation of Michigan
Application September 28, 1942, Serial No. 459,961
6 Claims. (Cl. 20—4)



1. In a building structure, a pair of adjacent upright wall sections having opposed upright edges and provided at said edges with substantially parallel upright frame members, opposed faces of said frame members at one side of said wall sections having opposed laterally projecting tongues of substantially L cross section, an upright post between said upright frame members, opposite faces of said post at the other side of said wall sections being provided with laterally projecting tongues of substantially L cross section, the tongues of said post overlapping and being interlocked with the tongues of said frame members, latch means on the post engaging the frame members for preventing the tongues of the post becoming disengaged from the tongues of the frame members, and means concealing the connections between the post and frame members and the latch means just mentioned and having means for holding said latch means against unlatching movement.

2,363,863
PRIMING COMPOSITION
Edward J. Hanley, Kingston, N. Y., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
Application January 23, 1940, Serial No. 315,175
19 Claims. (Cl. 52—2)

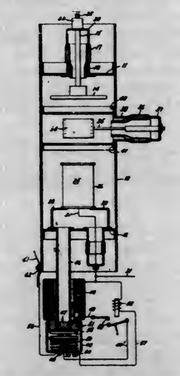


1. An initiating explosive for priming secondary explosives used as base charges for firing devices comprising an admixture of lead azide within the range of about 60% to about 95% and a comminuted flame producing material within the range of about 5% to about 40%, said comminuted flame producing material selected from the group which consists of black powder and smokeless powder.

2,363,864
PROCESS FOR TREATING PROTEIN CONTAINING MATERIALS WITH FRUIT MATERIALS
Artemy Alexis Horvath, Chambersburg, Pa., assignor to Horvath Laboratories, Inc., Chambersburg, Pa., a corporation of Maryland
Application March 13, 1940, Serial No. 323,820
1 Claim. (Cl. 99—99)

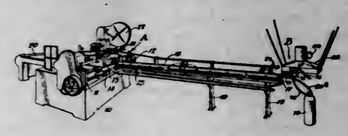
The method of treating soya flour to retard deterioration, comprising adding to a selected soya flour an acidic fruit pulp selected from a group consisting of apples and tomatoes, said pulp being added in sufficient quantities to constitute at least 1% by weight of the total mixture, introducing sufficient water to thoroughly moisten the material, intimately mixing the soya material and the fruit pulp to form a paste, permitting the blend to stand for a period of time to permit pre-digestion of the nutritive substances in the soya material and to increase its storage properties and then slowly drying the mixture to remove the excess moisture whereby deterioration of the soya material is retarded.

2,363,865
ELECTRIC DISCHARGE DEVICE
Albert W. Hull, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application March 1, 1943, Serial No. 477,533
11 Claims. (Cl. 250—27.5)



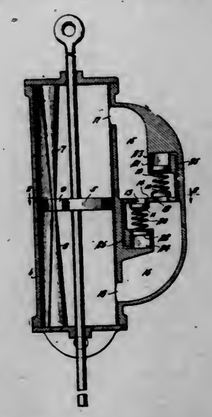
1. In an electric discharge device of the type which employs vapor of a material condensible at room temperature as a discharge-assisting medium, the combination which includes a discharge envelope enclosing cooperating electrodes, a hollow structure outside the main body of the envelope and connected by an unrestricted, wide bore passage with the interior of the envelope, a quantity of vapor-yielding material located in the structure, a heater therefor, and means containing a volatile material the pressure of which is responsive to changes in the temperature of the said structure for regulating the amount of heat delivered to the structure to maintain the same at a relatively constant predetermined elevated temperature.

2,363,866
APPARATUS FOR APPLYING AND SEALING GUMMED TAPE
Ferdinand W. Humphner, River Forest, Ill., assignor to Mid-States Gummed Paper Co., Chicago, Ill., a corporation of Delaware
Application December 15, 1941, Serial No. 423,067
4 Claims. (Cl. 93—56)



1. Apparatus of the character described for applying gummed tape to cartons and the like and sealing the tape with a waterproof material, comprising means for applying gummed tape to a carton, means for spraying a waterproof material on the exposed surface of said tape, valve means for controlling the operation of said spraying means, means for passing a carton with the gummed tape thereon along said spraying means, and means actuated by said tape applying means and synchronized therewith for opening said valve only when the tape is in position adjacent said spraying means.

2,363,867
HYDRAULIC SNUBBER
Malcolm D. Isely, Chula Vista, Calif.
Application February 8, 1944, Serial No. 521,746
13 Claims. (Cl. 188—88)



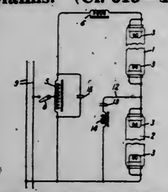
1. A snubber of the character disclosed, comprising companion piston and cylinder elements, a double acting metering couple associated with said piston and cylinder elements for progressively slowing relative movement of the piston element in the cylinder element in opposite directions, a bypass around opposite sides of the piston element and impact release valve mechanism in said bypass for automatically releasing sudden pressure increase through said bypass in opposite directions and including oppositely acting pressure opening valves, springs for closing said valves and pressure actuated abutments for said springs having restricted connection with the pressure sources tending to open the valves.

2,363,868

APPARATUS FOR STARTING AND CONTROLLING DISCHARGE DEVICES

Walter J. Karash, Annapolis, Md., assignor to General Electric Company, a corporation of New York

Application April 21, 1942, Serial No. 439,819
6 Claims. (Cl. 315—188)



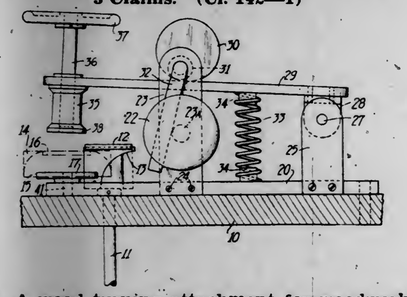
6. In combination, a plurality of electric discharge lamps having spaced electrodes, means including a reactive ballast for supplying from a source of supply operating current to said lamps in series and voltage for starting one of them, said means including reactive means connected across the other of said lamps and having a reactive voltage opposite in character to the reactive voltage of said ballast, whereby after said one lamp has started the resonant effect of said ballast and said reactive means produces a starting voltage across said other lamp which is substantially equal to or higher than the voltage of said source.

2,363,869

WOODWORKING MACHINE ATTACHMENT

Karl Karish, Brooklyn, N. Y.

Application June 24, 1943, Serial No. 492,034
3 Claims. (Cl. 142—1)



1. A wood turning attachment for woodworking machines comprising a base pivoted at one end to a table top of the machine, a work carrier at the opposite end of the base comprising a revolvable disk, a clamp bar pivoted to said base, an eccentric for engaging the bar for moving it to clamping position, revolvable means on the bar for holding the work on the disk, means for yieldably resisting the movement of the bar to clamping position, and a stop for limiting the pivotal movement of the base.

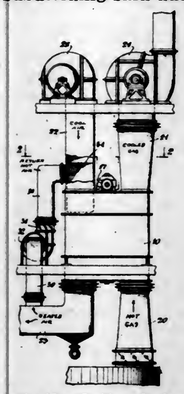
2,363,870

TEMPERATURE CONTROL OF HEAT TRANSFER SURFACES

Per Hilmer Karlsson, Wellsville, and Ernest A. Lundstrom, New York, N. Y., assignors to The Air Preheater Corporation, New York, N. Y.

Application October 10, 1941, Serial No. 414,420
7 Claims. (Cl. 257—6)

1. In an air preheater having a gas passage, an air passage and heat transfer surface to absorb heat from hot gases passing through said gas passage and impart it to air passing through said air passage; a duct connected to supply air to and distribute it uniformly over the cross-sectional area of the air passage; a transverse partition in said duct adjacent the air inlet to said preheater subdividing said duct into a major



and a minor part, the latter being opposite and supplying air to that portion of the air passage in which the coolest portion of said heat transfer surface is located; and means for raising the temperature of the air flowing through said minor portion of said duct to enter said air passage above that of the air entering the air passage through said major part of said duct.

2,363,871

METHOD OF MAKING ELECTRICAL CONDUCTORS

Alexis W. Keen, Packanack Lake, and Raymond B. Frost, Rutherford, N. J., assignors to United States Rubber Company, New York, N. Y., a corporation of New Jersey

Application August 5, 1942, Serial No. 453,676
7 Claims. (Cl. 57—162)



1. The method of making an insulated electrical conductor, which consists in winding yarn helically about an electrical conductor to form a serving having the strands thereof lying closely side by side, raising fibers of the serving by an air blast, pressing these raised fibers over the next adjacent strand at a definite angle thereto, and firmly securing the fibers in this relation by an adhesive to hold the strands together.

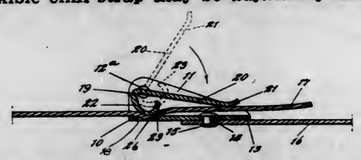
2,363,872

CHIN STRAP BUCKLE

Max Kiessling, Waterbury, Conn., assignor to The American Fastener Company, Waterbury, Conn., a corporation of Connecticut

Application March 13, 1943, Serial No. 479,001
5 Claims. (Cl. 24—170)

1. In a buckle, a substantially rectangular frame having a flat base, a pair of apertured side flanges upstanding from said base, and a cam lever having a forwardly extending straight handle section and a downwardly, forwardly, and upwardly curled rear resilient section, said cam lever having a pair of lateral hinge pins located above the position of said curled rear section for pivotally fitting in the apertures of said side flanges, said base having a rear cross slot located between said flanges, into which the free end of a flexible chin strap may be adjustably and re-



siliently clinched by said curled section when said handle is swung down against said base, the upwardly curled resilient section of said lever entirely covering said slot and terminating at a point spaced from the undersurface of said handle section.

2,363,873

PROCESS FOR RECLAIMING WASTE POLYCHLOROPRENES

Walter G. Kirby and Leo E. Steinle, Naugatuck, Conn., assignors to United States Rubber Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application April 24, 1943, Serial No. 484,486
20 Claims. (Cl. 260—92.7)

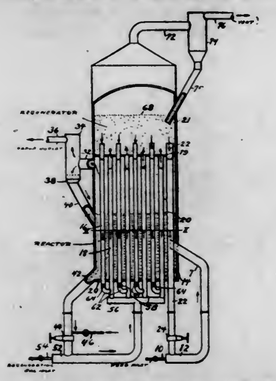
1. A process for reclaiming scrap containing vulcanized polychloroprene which comprises heating the same while in a subdivided condition at a temperature from about 300° F. to about 420° F. in the presence of a di (hydroxyaryl) sulphide.

2,363,874

PROCESS AND APPARATUS FOR TREATING FLUIDS

Robert W. Krebs, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware

Application July 30, 1942, Serial No. 452,826
10 Claims. (Cl. 196—52)



1. A process of the character described which comprises maintaining finely divided catalyst as a fluidized mixture in a reaction zone, passing a plurality of streams of catalyst downwardly from said reaction zone and mixing a reactant with each stream of catalyst, returning the mixture of catalyst and reactant as a plurality of streams to said reaction zone and disposing the downwardly and upwardly moving streams in indirect heat exchange with a heat exchange medium.

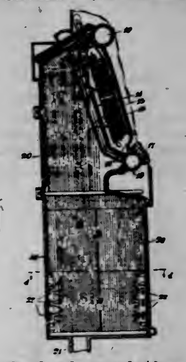
6. An apparatus of the character described including a vessel provided with a reaction zone, a plurality of vertical tubes extending downward from said reaction zone and adapted to conduct catalyst particles downwardly, means for adding a gas at the lower portion of each of said tubes to make a lighter suspension of catalyst particles, other vertically arranged tubes communicating with said first mentioned tubes for returning the lighter suspension of catalyst to said reaction zone, another reaction zone surrounding at least a portion of all of said tubes and adapted to contain fluidized catalyst particles, means for removing catalyst from said second reaction zone and passing it to said first mentioned reaction zone, and means for removing catalyst from said first mentioned reaction zone and passing it to said second reaction zone.

2,363,875

COMBUSTION ZONE CONTROL

Henry Kreisinger, Piermont, and Virginius Z. Caracristi, Bronxville, N. Y., assignors to Combustion Engineering Company, Inc., New York, N. Y.

Application November 25, 1941, Serial No. 420,356
2 Claims. (Cl. 122—479)



1. The method of regulating temperature of steam from a superheater receiving its heat mainly by convection from gases leaving an outlet at the upper part of a vertical furnace whose walls are lined with water cooled tubes comprising; introducing fuel and air into the lower part of the furnace from a plurality of points remote from the furnace outlet in such directions as to create a turbulent gas mass burning in a zone in the lower part of the furnace to transmit heat to the water tubes therein; maintaining, for a given load, a substantially uniform rate of fuel firing; and altering the angle to the horizontal of the direction of the streams of fuel and air so as to lower or raise the vertical location of the combustion zone along the furnace axis as the superheated steam temperature respectively increases or decreases to thereby alter the length of the path of gas travel through the furnace and the extent to which gases are cooled before reaching the superheater.

2,363,876

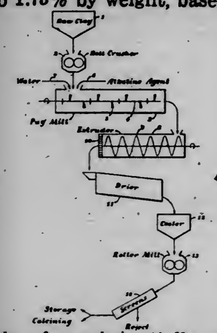
IMPROVED FULLER'S EARTH AND PREPARATION THEREOF

William A. La Lande, Jr., Upper Darby, Pa., assignor to Attapulgus Clay Company, Philadelphia, Pa., a corporation of Delaware

Application March 28, 1942, Serial No. 436,630
9 Claims. (Cl. 252—270)

1. A process for improving the adsorptive and

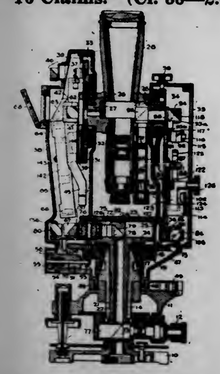
bleaching efficiency of Georgia-Florida type fuller's earth, which comprises extruding at elevated pressure a plastic fuller's earth of the Georgia-Florida type intimately admixed with from 0.1% to 1.75% by weight, based upon vola-



tile-free earth, of a substantially water-soluble alkaline agent.

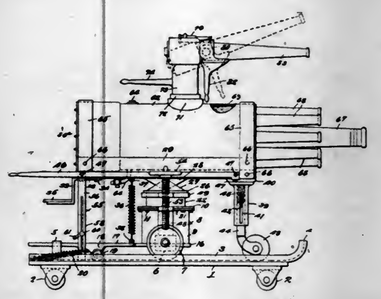
8. Fuller's earth of the Georgia-Florida type impregnated with from 0.1% to 1.75% by weight of a substantially water-soluble alkaline agent.

2,363,877
THEODOLITE
Harold R. Larsen and John B. Sonderman, Troy, N. Y., assignors to W. & L. E., Gurley, Troy, N. Y., a corporation of New York
Application February 11, 1943, Serial No. 475,540
16 Claims. (Cl. 88—2.6)



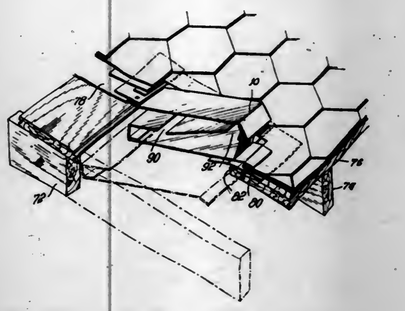
1. An angle-measuring device comprising in combination a circular limb graduated to produce uniform angle-defining intervals; an optical system for producing two juxtaposed images of diametrically opposite portions of said limb, the limb and said optical system being relatively rotatable about the axis of the limb; means forming an index against which one of said images may be read in terms of full intervals; at least one prism interposed in the path of light which forms one of said images; a carriage supporting and guiding said prism in the direction of the path of the image-forming light, displacement of the prism along said path causing relative motion of said images sufficient to cause register of the image graduations; a graduated scale and related index, one of which moves bodily with said prism, for indicating the position of the prism in terms of a fraction of said interval; and a single viewing means for said images and the first named index and also for said scale and related index.

2,363,878
GUN
Joseph Lemberg, New York, N. Y.
Application December 11, 1942, Serial No. 468,693
7 Claims. (Cl. 89—37)



7. In a piece of ordnance, a guide, a plunger mounted to move vertically on the guide and to rotate with respect thereto, mechanism under the control of an operator for moving the plunger vertically, a carrier pivoted to the plunger for vertical swinging movement, means under the control of an operator for imparting vertical swinging movement to the carrier, and for rotating the plunger, a substantially vertical shaft on the carrier, a post mounted to rotate on the shaft, about the vertical axis thereof, barrels disposed on opposite sides of the post and having substantially horizontal trunnions mounted to rock in the post, whereby the barrels may be swung vertically, one at a time, a substantially vertical handle on each barrel, and a substantially horizontal handle on the post.

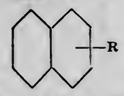
2,363,879
SLANT ROOF LOUVER
Freeland H. Leslie, Chicago, Ill.
Application February 23, 1942, Serial No. 431,914
15 Claims. (Cl. 98—42)



1. A slant roof louver comprising a substantially flat member, an opening disposed centrally thereof, a dormer disposed above said opening, an air outlet through one wall of said dormer, and a drain board disposed beneath the dormer and beneath the plane of said substantially flat supporting member, said drain board discharging toward the air outlet.

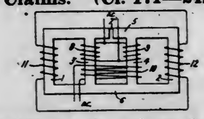
2,363,880
LUBRICANTS
Eugene Lieber, West New Brighton, Staten Island, N. Y., and Aloysius F. Cashman, Bayonne, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application January 1, 1942, Serial No. 425,351
8 Claims. (Cl. 252—46)

1. An extreme pressure agent containing active halogen and sulfur in amounts sufficient to impart load-bearing characteristics and normally tending during storage to undergo degradation leading to the formation of ingredients which are insoluble in paraffinic mineral oils, to which has been added a small amount, sufficient to stabilize against such degradation, of a compound having the following formula:



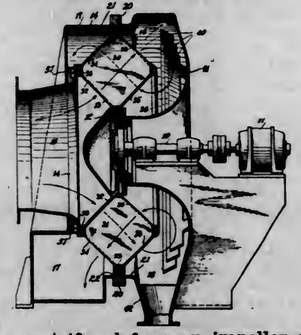
in which R is selected from the class consisting of hydrogen atoms and alkyl groups.

2,363,881
REACTOR
Harold W. Lord, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application September 16, 1941, Serial No. 410,969
5 Claims. (Cl. 171—242)



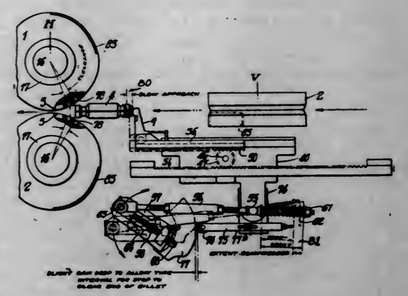
1. In combination, a four-legged magnetic core provided with a pair of yoke members, an air gap in one of said yoke members between the two inside legs, a pair of alternating current windings wound respectively on said outside legs, a direct current winding wound around both of said inside legs, and a pair of effectively short circuited windings wound respectively on said inside legs.

2,363,882
DUST SEPARATING FAN
Ernest A. Lundstrom, Wellsville, N. Y., assignor to The Air Preheater Corporation, New York, N. Y.
Application April 17, 1943, Serial No. 483,374
2 Claims. (Cl. 183—35)



2. In a centrifugal fan; an impeller comprising a hub; a plurality of polygonal axially and outwardly extending plates spaced circumferentially about and each abutting said hub adjacent one corner and attached to said hub; a housing surrounding said impeller and formed in one end wall with a fluid inlet at one side of the impeller; cooperating sealing means mounted on the outer corners of said plates and on the inner wall of said housing for dividing the interior thereof into a fluid inlet chamber at said one side of the impeller and two adjacent annular chambers surrounding said impeller and constituting an outlet chamber and an intermediate chamber; means closing the spaces between certain edges of adjacent plates so arranged as to form two groups of passages through the impeller with passages of one group alternating with those of the other, passages of each group communicating at adjacent ends with said intermediate chamber and the opposite ends of the passages of the two groups being radially spaced and communicating respectively with said inlet chamber and with said outlet chamber; means forming a fluid discharge outlet leading from said outlet chamber, whereby fluid entering said inlet chamber passes outwardly and axially through one group of impeller passages into said intermediate chamber and flows inwardly to passages between the lower edges of said plates and thence outwardly and axially through the other group of passages to the said outlet chamber; means forming a dust discharge outlet from said intermediate chamber; and annular scoops mounted in said intermediate chamber on the inner surface of the other end wall of said housing and facing said impeller for receiving dust centrifugally separated from air passing from one group of passages into the other and for directing it to said dust outlet.

2,363,883
APPARATUS FOR DIE ROLLING BILLETS
Fred Luzky, East Cleveland, Ohio, assignor to The Mid-West Forge Company, Cleveland, Ohio, a corporation of Ohio
Application July 11, 1942, Serial No. 450,576
22 Claims. (Cl. 80—26)

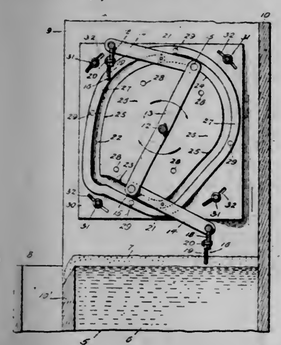


19. In a mill for roll forging billets, a pair of forging rolls containing cooperating dies for shaping the billet, a billet guide extending to said rolls, means for propelling a billet along said guides against said rolls at a velocity which is variable, being such as to drop to that of the mill speed at the precise instant that the forming dies on the mill grip the advancing end of the billet, and means for maintaining the billet in resilient engagement with the rolls at the time it is gripped by said dies.

2,363,884
LUBRICANT
Rush F. McCleary and John R. Morris, Beacon, N. Y., assignors to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application June 5, 1942, Serial No. 445,962
12 Claims. (Cl. 252—35)

1. A lubricant comprising a hydrocarbon oil and a small proportion, sufficient to impart anti-oxidant properties to said oil, of an oil-miscible metal xanthate of an oil-soluble sulfurized phenolic composition derived from the oils extracted from the Anacardium genus of the Anacardiaceae family.

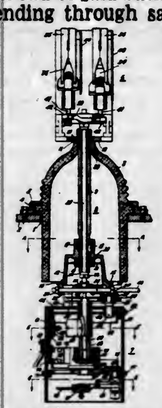
2,363,885
SKIMMER
Henry W. McKeen, Hurley, N. Mex.
Application June 11, 1943, Serial No. 490,493
10 Claims. (Cl. 210—51)



1. A skimming device comprising a receptacle, a driven member rotatably mounted on a horizontal axis above said receptacle, means for rotating said driven member, a skimmer-carrying lever transverse to and spaced from said axis, a pivot connecting said lever with said driven member, said pivot being radially spaced from said axis, whereby said driven member will carry said lever upwardly, rearwardly, downwardly, and forwardly on a continuous path, a skimmer carried by said lever and spaced from said pivot to perform a skimming operation at the surface of a liquid in said receptacle as said lever is carried forwardly, a lateral shoe on said lever and spaced from said pivot, and a continuous stationary cam track engaging said shoe to control the pivotal movements of said lever with respect to said driven member as said lever is carried along said continuous path, said cam track having a lower portion for determining the line of travel of said skimmer during its forward skimming stroke, and other portions for determining the line of travel of said skimmer from each skimming stroke to the next.

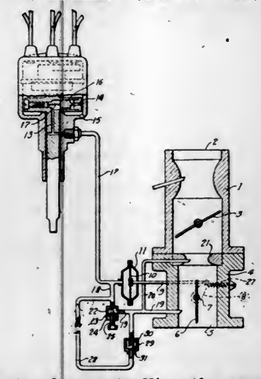
2,363,886
ELECTRIC SWITCHING MECHANISM
James F. McKenney, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application July 15, 1942, Serial No. 450,977
6 Claims. (Cl. 200—5)

1. In a unitary load-ratio-control mechanism, an insulating bushing provided with supporting means intermediate its ends, switching means mounted on each end of said bushing, and clamping means extending through said bushing and



placing it under continuous compression so that it better resists bending loads due to the overhanging masses of said switching means.

2,363,887
ENGINE GOVERNOR
Marion Mallory, Detroit, Mich.
Application January 8, 1944, Serial No. 517,485
7 Claims. (Cl. 123—103)

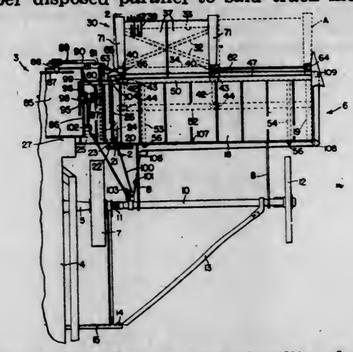


1. A device for controlling the speed of an internal combustion engine having an intake passageway comprising a governor valve, a suction responsive device connected to said governor valve for controlling the same, a conduit connecting the suction device with the intake passageway on the engine side of said governor valve, a restriction in said conduit, a by-pass conduit around said restriction, a check valve controlling said by-pass, said check valve being responsive to the suction in the intake passageway to open as the suction is increased due to the closing of the governor valve whereby the closing of the governor valve is accelerated.

2,363,888
PICKUP DEVICE FOR HARVESTER PLATFORMS
Floyd R. Martin, East Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application May 14, 1942, Serial No. 442,989
13 Claims. (Cl. 56—364)

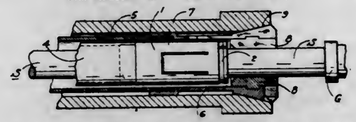
4. A harvester comprising a transversely disposed platform, a pick-up device having a width

less than that of said platform and including a frame, a track member extending along the forward edge of said platform, a second track member disposed parallel to said track member



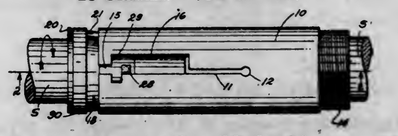
and spaced therefrom, and a plurality of rollers journaled on said rigid frame and positioned to engage said track members to support said pick-up frame on said platform and providing for lateral travel along the latter.

2,363,889
PUSHER
Stoddard B. Martin, Lakewood, Ohio
Application April 26, 1941, Serial No. 390,601
22 Claims. (Cl. 29—61)



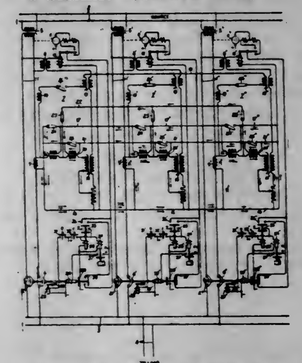
1. In a pusher for automatic screw machines and the like, a pusher shell, a bushing within the shell arranged to surround the stock to be fed, the forward end of said bushing projecting beyond said shell and having wedging surfaces tapering from the outside diameter of the bushing to about the outside diameter of said shell, and an abutment on the shell cooperating with the rear end of the bushing, said abutment projecting inwardly from the inner surface of the shell but not beyond the inside diameter of the bushing, said abutment in the normal angular relation of the bushing and shell, being spaced from the bushing in an axial direction to permit wedging engagement of said wedging surfaces with the forward end of said shell, and, in a different angular relation of the bushing and shell, being arranged to engage a portion of said bushing and prevent such wedging engagement.

2,363,890
PUSHER
Stoddard B. Martin, Lakewood, Ohio
Application October 10, 1942, Serial No. 461,559
18 Claims. (Cl. 29—62)



1. In a pusher, a collapsible bushing arranged to resiliently grip stock to be fed, a tubular shell having slots extending inwardly from its front edge, the slotted portions of said shell being bent inwardly to a diameter smaller than the outside diameter of said bushing when said bushing is collapsed, said shell surrounding and resiliently gripping said bushing when said bushing is collapsed, said bushing being tapered at its rear end to a size sufficiently small to enter the front end of said shell when the same is collapsed, whereby said bushing may be forced rearwardly into said shell to spread the same, and cooperating abutments on said bushing and shell engageable in normal operative position to hold said bushing against forward movement with respect to said shell.

2,363,891
ELECTRIC CIRCUIT
Salvatore Minneci, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application December 14, 1942, Serial No. 468,940
6 Claims. (Cl. 171—119)



1. In combination, an energized electric power circuit, an electric translating device, automatic voltage regulating means for said device connected to be responsive to the voltage of said circuit, a circuit maker and breaker for selectively connecting said device to said circuit and disconnecting it therefrom, means controlled by the opening of said circuit maker and breaker for immediately incapacitating said voltage regulating means, and timing means for energizing said voltage regulating means for a predetermined time prior to the closing of said circuit maker and breaker.

2,363,892
GELATIN DERIVATIVES AND PROCESS OF MAKING SAME
Jean Baptiste Monier, Montreal, Quebec, Canada
No Drawing. Application April 7, 1941, Serial No. 387,361. In France March 8, 1937
18 Claims. (Cl. 260—117)

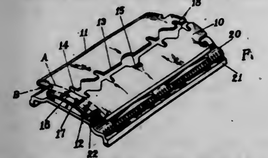
6. The process of making gelatin derivatives which comprises reacting together gelatin and a lower fatty acid with heating.

2,363,893
MODIFIED PHENOL-ALDEHYDE RESINOUS MATERIALS AND PROCESS OF MAKING SAME
Jean Baptiste Monier, Montreal, Quebec, Canada
No Drawing. Application April 7, 1941, Serial No. 387,362. In France March 8, 1937
13 Claims. (Cl. 260—7)

13. A synthetic resinous mass being a condensation product of a phenol and an aldehyde and

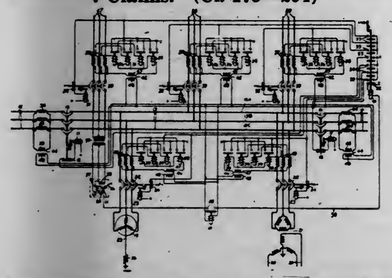
containing as modifying agent a member of the group consisting of formaldehyde-soluble acetates of gelatin, abieto acetates of gelatin and boro-abieto acetates of gelatin.

2,363,894
SAFETY RAZOR AND BLADE
Joseph Muros, Cambridge, Mass., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware
Application January 27, 1944, Serial No. 519,899
10 Claims. (Cl. 30—65)



1. A double-edged, open-end blade for safety razors, having a body divided into similar side portions by a central longitudinal slot, the side portions being spaced apart at one end of the blade and having a solid connecting end portion at the other end of the blade, and a projection formed in the material of the said end portion.

2,363,895
PROTECTIVE SYSTEM
John H. Neher, Wynnewood, Pa., assignor to General Electric Company, a corporation of New York
Application August 5, 1942, Serial No. 453,661
7 Claims. (Cl. 175—294)

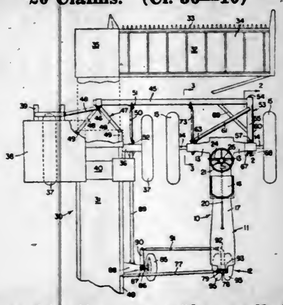


1. A protective system for causing isolation of any unsound section of a polyphase alternating current circuit on the occurrence of fault conditions thereon including means for deriving a current dependent upon the vector sum of currents supplied to and leaving said unsound section, and means responsive to the area of the voltage triangle of said circuit for distinguishing between double line-to-ground and single line-to-ground faults on said circuit for initiating the operation of said protective system only when said last-mentioned type of fault occurs.

2,363,896
LUBRICANT
John A. Patterson, Beacon, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application February 28, 1942, Serial No. 432,790
10 Claims. (Cl. 252—35)

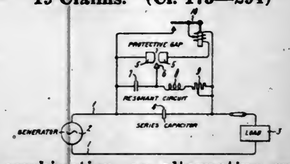
1. A lubricant comprising a hydrocarbon oil and a small quantity, sufficient to impart oxidation-resistant properties to said oil, of an oil-soluble metal derivative of cashew nut shell oil.

2,363,897
IMPLEMENT ATTACHMENT FOR TRACTORS
Louis A. Paradise and Wilbur J. Coultas, Moline, Ill., and Russell L. Dort, Davenport, Iowa, assignors to Deere & Company, Moline, Ill., a corporation of Illinois
Application May 17, 1943, Serial No. 487,384
20 Claims. (Cl. 56—10)



1. In combination, a self-propelled mobile frame, a second mobile frame adapted to be propelled thereby, said frames being disposed side by side and each frame being independently supported in laterally stable relation, and draft means interconnecting said frames comprising a transverse beam extending between said frames, means connecting one end of said beam to said self-propelled frame permitting angular movement between the latter and said beam about a fore and aft extending axis but preventing relative angular movement about a generally vertical axis, and means connecting the other end of said beam to said second frame permitting relative angular movement therebetween about a fore and aft extending axis but preventing relative angular movement about a vertical axis.

2,363,898
PROTECTIVE SYSTEM
Robert M. Partington, New Lebanon, N. Y., assignor to General Electric Company, a corporation of New York
Application October 26, 1940, Serial No. 363,013
19 Claims. (Cl. 175—294)

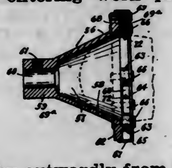


1. In combination, an alternating current circuit including a series capacitor, an overvoltage protective device connected around said capacitor, and means connected across said capacitor and operative in response to existence of overvoltage across said capacitor for causing operation of said device, said means offering substantially infinite resistance to the flow of direct current whereby any charge existing on said capacitor after said alternating current circuit is opened cannot leak off through said means.

2,363,899
ROTATABLE ARTICLE GRIPPING CHUCK
Harold F. Phillips, Belmont, Mass.
Application October 31, 1941, Serial No. 417,318
2 Claims. (Cl. 279—33)

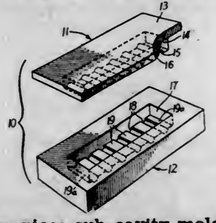
1. A chuck comprising a hollow work receiving member and means movably mounted interiorly

of said member positioned in the path of an entering work piece and movable thereby in direction permitting reception of the work piece in said member, said means comprising a conical driving spur of substantial length swingable in a plane transversely of the longitudinal axis of said member, the conical surface of said spur facing the entrance to the chuck in position to be engaged by the entering work piece and to be



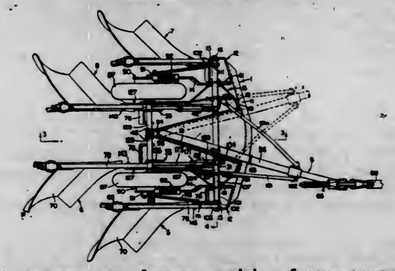
cammed thereby outwardly from the axis to permit the work piece to enter said member, said spur being arranged and adapted to pierce the work piece upon relative rotation of the said member and work piece in one direction, thereby to lock the said member and work piece against further relative rotation in the same direction and against movement of the work piece axially of the chuck.

2,363,900
MOLDING APPARATUS
Alexander L. Pugh, Jr., Bala-Cynwyd, Pa., assignor to International Resistance Company, Philadelphia, Pa., a corporation of Delaware
Application April 15, 1941, Serial No. 388,581
5 Claims. (Cl. 18—42)



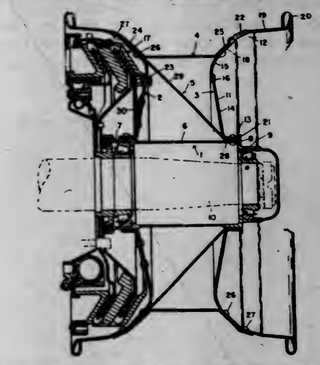
1. In a two-piece sub-cavity mold designed for molding a plastic material having a bulk factor greater than 1 around a fragile element, the combination of two opposing pieces having similar opposing molding cavities and lands so constructed that the center to center distance between adjacent recesses equals approximately three times the diameter of one recess.

2,363,901
TWO-WAY PLOW
Walter H. Silver, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application May 2, 1942, Serial No. 441,488
27 Claims. (Cl. 97—29)



1. A two-way plow comprising frame means, a laterally swingable hitch therefor, a pair of right and left hand plowing units, means movably connecting each unit with said frame means, means for lowering said units alternately, and means operated by said lowering means for simultaneously shifting said hitch.

2,363,902
WHEEL
Charles W. Sinclair, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application May 11, 1942, Serial No. 442,499
2 Claims. (Cl. 301—6)

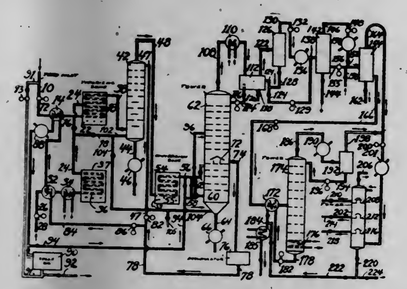


1. A wheel comprising axially spaced sheet metal side elements each formed of a wheel body portion and an integral tire carrying rim portion having a flared part connecting directly into said body portion, a generally axial bead seat and a tire retaining bead, said body portion and rim portion of one of said side elements providing a space for receiving a brake and said last mentioned body portion having a part adjacent said flared part of said last mentioned rim portion for attachment to the brake, a sheet metal reinforcing element of generally conical section having a portion extending over and secured directly to said last mentioned flared part and terminating short of said bead seat of said last mentioned rim portion, said reinforcing element extending to and having a portion secured directly to the inner zone of the other of said side elements, a sheet metal annulus having flared end portions extending over and secured to said first mentioned portion of said reinforcing element and said flared part of said other of said side elements, said flared end portions terminating short of said bead seats of both of said side elements and a hub extending between and secured to said side elements.

2,363,903
TREATING HYDROCARBON FLUIDS
Brook I. Smith, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application January 2, 1941, Serial No. 372,853
2 Claims. (Cl. 260—668)

1. A method for cracking relatively heavy hydrocarbon liquids to produce lower boiling hydrocarbons including olefins and aromatic gasoline constituents which comprises preheating a feed stock comprising higher boiling hydrocarbons and then passing it through a vaporizing coil, preheating water and then further heating the water to produce superheated steam, introducing a portion of the superheated steam into the latter por-

tion of said vaporizing coil for admixture with the hydrocarbons therein, passing the heated and vaporized hydrocarbons and steam to a separating zone to separate unvaporized constituents from vapors and steam, introducing another portion of the superheated steam into the bottom of said separating zone to remove volatile constituents from the unvaporized constituents, passing the separated vapors and steam from said separating zone through a conversion zone wherein they are heated to an elevated temperature to effect the desired extent of conversion, quenching the products of conversion leaving said conversion zone and passing the quenched products to a second separating zone to separate liquid residue from vapors, fractionating the vapors from said second separating zone to separate a relatively heavy condensate oil from lighter hydrocarbons,



passing at least a portion of the heavy condensate oil in indirect heat exchange with the water to preheat the water, then passing the heavy condensate oil in indirect heat exchange with the feed stock to preheat the feed stock and cool the heavy condensate oil, then using at least a part of the cooled heavy condensate oil without other substantial cooling as quench in the quenching step, introducing at least another portion of the cooled heavy condensate oil without other substantial cooling into the top portion of the second separating zone as reflux to remove heavier hydrocarbons from the vapors, further treating the separated lighter hydrocarbons to separate a gasoline-containing liquid from vapors and gases and separating a hydrocarbon fraction from said vapors and gases which contains a large proportion of ethylene.

2,363,904

PROCESS FOR DYEING TEXTILE FIBERS

Chiles Emory Sparks and Joseph Francis Laucius, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 31, 1942, Serial No. 470,836
10 Claims. (Cl. 8—42)

1. In the process of padding textile material with a member of the group consisting of polydiazonium compounds of the phthalocyanine series and stabilized forms of said polydiazonium compounds, the improvement which consists of pretreating the fabric with a reagent selected from the group consisting of molybdic acid, tungstic acid, vanadic acid, heteropoly acids derived from said acids, and the water-soluble salts of any of these acids, whereby to increase the affinity of the textile material for said polydiazonium compounds.

2,363,905

AZO PIGMENTS OF THE PHTHALOCYANINE SERIES

James William Libby, Jr., Louisville, Ky., and Harold Edward Woodward, Penns Grove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 8, 1943, Serial No. 471,730
12 Claims. (Cl. 8—42)

1. A metal complex form of an azo coloring compound of the general formula

$$MPc—(N=N—Q)_x$$

wherein MPc designates the radical of a phthalocyanine compound selected from the group consisting of metal-free phthalocyanine and metal-phthalocyanines, Q is the radical of an azoic coupling component, while x is a number not greater than 4, the metal in said metal complex form being a member of the group consisting of copper, nickel, cobalt and chromium and being present in addition to any metal atoms which may be present as part of the phthalocyanine radical.

7. The process of coloring textile fiber, which comprises developing on the fiber an azo dye by coupling on the fiber an azotized polyaminophthalocyanine to an azoic coupling component, and then treating the dyed fiber with a water-soluble compound of a metal whose atomic weight is between 51 and 64, to metallize the azo dye on the fiber.

2,363,906

AZO PIGMENTS OF THE PHTHALOCYANINE SERIES

Swanie Siguard Rossander, Wilmington, Del., James William Libby, Jr., Louisville, Ky., and Harold Edward Woodward, Penns Grove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 8, 1943, Serial No. 471,732
15 Claims. (Cl. 8—42)

1. Azo coloring compounds of the general formula $(MPc)—(N=N—Q)_x$, wherein (MPc) designates the radical of a phthalocyanine compound selected from the group consisting of metal-free phthalocyanines and metal-phthalocyanines, Q is the radical of an aromatic compound having an ortho-hydroxy-carboxy grouping, while x is a number not greater than 4.

9. The process of coloring textile fiber, which comprises impregnating the fiber with an azotized polyamino-phthalocyanine compound and then developing the dye on the fiber by coupling to an aromatic compound having an ortho-hydroxy-carboxy grouping and at least one free couplable position.

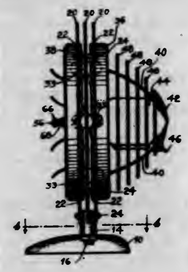
2,363,907

ELECTRIC FAN

Walter A. Spear, Cincinnati, Ohio, assignor to Victor Electric Products, Inc., Cincinnati, Ohio, a corporation of Ohio

Application April 26, 1943, Serial No. 484,643
5 Claims. (Cl. 230—274)

5. An electric fan assembly of the breeze spreader type including a base, a standard mounted on the base, a plurality of concentrically disposed parallel Saturn rings mounted in vertically disposed parallel planes, a pair of supporting members fixedly attached to the side of the rings, electric fan means attached to the supporting members, a breeze spreader pivotally



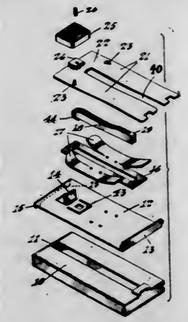
mounted for rotation in response to the vortex of the air currents generated by the electric fan means, and means for supporting said breeze spreader.

2,363,908

MAGAZINE FOR SAFETY RAZOR BLADES

Samuel C. Stampleman, Cohasset, Mass., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware

Application June 28, 1943, Serial No. 492,519
8 Claims. (Cl. 206—16)



1. A blade magazine having an elongated enclosure with a blade-exit opening in one end, means for locating a stack of blades within the enclosure, and a sheet metal feed slide movable in the magazine enclosure and having converging offset edges for engaging the rear corners of a blade in the stack and projecting portions in advance of said edges for overlying and masking the sharp edges of the blade during the advancing movement of the slide.

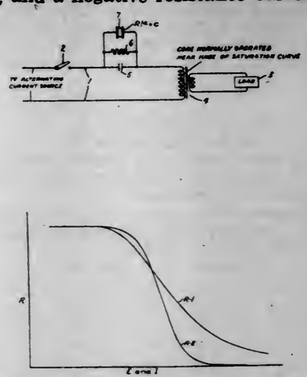
2,363,909

ELECTRIC CIRCUIT

Harold C. Stewart and Kenneth D. Beardsley, Pittsfield, Mass., assignors to General Electric Company, a corporation of New York

Application October 14, 1942, Serial No. 461,964
3 Claims. (Cl. 172—238)

2. In combination, an alternating-current circuit for conducting power from a source to a load, a series capacitor connected in said circuit, a saturable core reactance connected across said circuit on the load side of said capacitor, a linear resistor connected across said capacitor for suppressing abnormal exciting currents in said reactance, and a negative resistance-current char-



acteristic resistor connected across said capacitor for protecting it from overvoltages.

2,363,910

HYDROCARBON DRYING OILS

Miller W. Swaney, Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application July 2, 1941, Serial No. 400,813
11 Claims. (Cl. 260—42)

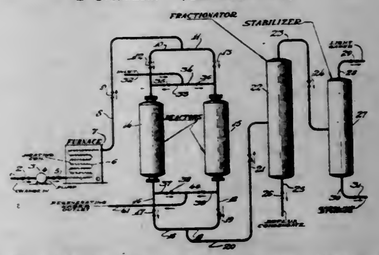
1. A process of forming valuable polymer products which comprises polymerizing an alkyl acetylene in liquid phase at a temperature below about —10° C. in the presence of a Friedel-Crafts type catalyst.

2,363,911

HYDROCARBON CONVERSION

Charles L. Thomas, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

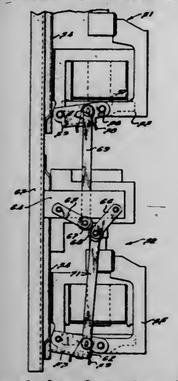
Application July 28, 1941, Serial No. 404,375
4 Claims. (Cl. 196—52)



1. A hydrocarbon conversion process which comprises passing a stream of hydrocarbons at conversion conditions of temperature, pressure and space velocity through a reaction zone containing a body of adsorptive contact material for a predetermined period of time, thereafter diverting said stream of hydrocarbons and passing a stream of oxygen-containing regenerating gases through said zone for a time period sufficient to burn carbonaceous substances deposited during the prior conversion period, resuming the passage of said stream of hydrocarbons through the reaction zone at the conclusion of the regenerating period for another predetermined period of time, and changing at least one operating condition including temperature, space velocity and length

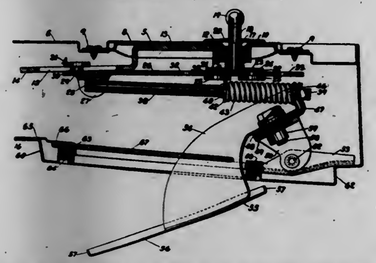
of conversion period in the subsequent conversion period whereby to compensate for loss of activity of the contact material due to aging and to produce a constant overall average deposition of carbonaceous material in order to maintain the regenerating gas requirement substantially constant.

2,363,912
ELECTRIC SWITCH
Hermon L. Van Valkenburg, Wauwatosa, Wis., assignor to Square D Company, Detroit, Mich., a corporation of Michigan
Original application January 21, 1937, Serial No. 121,456. Divided and this application March 31, 1941, Serial No. 386,180
5 Claims. (Cl. 200—50)



1. In a device of the class described, a pair of electric switches adapted for independent operation to circuit controlling positions, a pair of pivoted levers having rollers at the ends opposite their pivots interfering in certain positions, and links pivotally connected to said levers and to movable parts on said switches, said interfering rollers positively preventing undesired concurrent operation of said switches to certain circuit controlling positions.

2,363,913
DOOR OPERATING MECHANISM
Edward F. Wagner, Lakeville, Ind., assignor to The Studebaker Corporation, South Bend, Ind., a corporation of Delaware
Original application January 31, 1941, Serial No. 376,727. Divided and this application December 1, 1941, Serial No. 421,127
2 Claims. (Cl. 98—2)



1. In combination, a pair of spaced panels having substantially opposed openings, means for supporting said panels in fixed spaced relation with respect to each other to form a duct, a door for the opening in one of said panels, means for pivotally mounting said door adjacent an edge of the opening in said one panel, said last named means being disposed between said panels and accessible through the opening in the other panel, a door opening and closing mechanism disposed in the space between the opposed openings in said panels, said door opening and closing mechanism being adapted to be connected to said door through the opening in said other panel, and cover means for closing the opening in said other panel and supporting said door opening and closing mechanism.

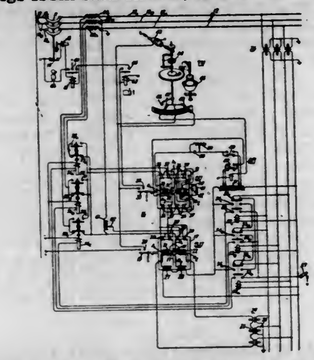
2,363,914
PAPER DOLL SET AND THE LIKE
George P. Wakefield, Vermilion, Ohio
Application July 28, 1943, Serial No. 496,423
2 Claims. (Cl. 46—157)



1. In a set of the character described, a doll comprising a base of cardboard, plywood or the like, having the general outline or contour of the doll, said base having an opening therein extending completely therethrough, a magnet adhesively secured to said base and disposed in said opening and having poles lying substantially flush with the front face of said base, a thin sheet of paper adhesively secured to the front face of said base and covering the magnets, said sheet having the same contour as the base and bearing representations of the doll's features on the front face thereof, and a thin sheet of material representing doll's clothing, said clothing sheet carrying a metallic member so as to be attracted to the magnet through said paper sheet, said metallic member being thin, flat and light in weight so as not to add materially to the thickness or weight of said clothing sheet.

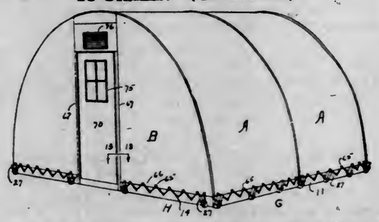
2,363,915
PROTECTIVE SYSTEM
Albert R. van C. Warrington, Wallingford, Pa., assignor to General Electric Company, a corporation of New York
Application December 19, 1941. Serial No. 423,661
13 Claims. (Cl. 175—294)

1. In a distance-responsive relay of the reactance type for protecting a polyphase alternating-current circuit against ground faults comprising an electroresponsive device having current and potential windings, means including a plurality of selector relays for controlling the energization of said potential windings from said circuit, a plurality of current transfer relays each operative in response to operation of a corresponding one of said selector relays for controlling the energization of said current windings from said circuit, and time-delay means



for preventing false operation of said electroresponsive device in the event that one predetermined type of fault on said circuit changes to another predetermined type.

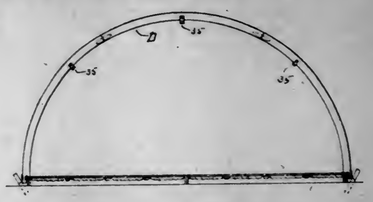
2,363,916
KNOCKED DOWN SHELTER BUILDING
Arthur E. Waterman and Harold B. Tracy, Fort Atkinson, Wis., assignors to James Manufacturing Company, Fort Atkinson, Wis., a company of Wisconsin
Application November 2, 1942, Serial No. 464,314
13 Claims. (Cl. 135—1)



1. A knock down building of the class described, comprising side sills, generally curved spaced ribs adapted to be detachably secured at their ends to the inside of said side sills, a flexible covering adapted to be stretched over said ribs, its ends extending slightly past the upper edges of said side sills and in contact therewith, spaced hooks secured to the outer surface of said side sills a short distance below the ends of said covering, detachable means for securing the ends of said covering to said hooks.

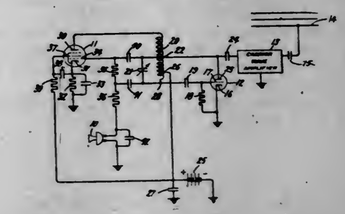
2,363,917
SHELTER BUILDING
Arthur E. Waterman and Harold B. Tracy, Fort Atkinson, Wis., assignors to James Manufacturing Company, Fort Atkinson, Wis., a company of Wisconsin
Application November 3, 1943, Serial No. 509,008
7 Claims. (Cl. 135—1)

4. A floor assembly for a building of the character described, comprising a number of inverted box shaped elements adapted to be placed end to end in pairs and side by side, the upper closed sides being adapted to act as a floor for the building, spaced means on certain outer surfaces of said elements adapted to register when the open sides of the elements are laid together to form an enclosure, the spaced members adapted to act as a detachable means for holding the elements together, a number of curved roof supporting arches, notches in adjacent corners on one end of the



floor units adapted to provide recesses on the opposite sides of the floor assembly, said recesses adapted for the reception of the ends of said arches, detachable means adapted to bind said floor units together and bind the ends of the arches to the floor units.

2,363,918
REACTIVE ELECTRON DISCHARGE CIRCUITS
James F. Wilcox, Scotia, and Edwin W. Kenefake, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application July 11, 1942, Serial No. 450,498
7 Claims. (Cl. 179—171.5)

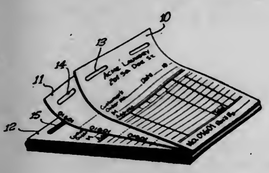


2. In combination, a source of alternating potential, means for taking from said source an adjustable reactive current, said means comprising an electron discharge device having an anode, a cathode, and a control electrode so connected across said source that a reactive current flows between said anode and cathode and the impedance of said device between said anode and cathode simulates a reactance, means comprising a step-up autotransformer interposed between said source and said device, said autotransformer having its end terminals connected between said anode and cathode and an intermediate portion thereof connected across said source thereby to increase the reactive effect of said device on said source, and means to modulate the current between said anode and cathode in accordance with a varying electromotive force thereby to modulate the reactive current drawn by said device from said source in accordance with the variations of said electromotive force.

2,363,919
AUTOGRAPHIC REGISTER TICKET FOR CLEANERS AND DYERS
Henry C. Williams, North Hollywood, Calif.
Application October 1, 1943, Serial No. 504,580
2 Claims. (Cl. 282—21)

1. As a new article of manufacture, triplicate strips of superposed separable tickets having

means by which they may be aligned and fed through an autographic register, the tickets of the upper and lowermost strips having appropriately designated spaces in which the identity of the customer may be written and the items of the customer's business itemized, the tickets of the intermediate strip being divisible into sections constituting an identification check and identification tags, said identification tags, identification check, and tickets of the uppermost and



lowermost strips bearing the same identification number, and the identification check and the tickets of the uppermost and lowermost strips having aligned appropriately designated spaces in which the total amount may be written, the identification tags being arranged on the opposite sides of a fold line and bearing designations of the days of the week which when these tags are folded will be brought into corresponding superposed registering relationship, as and for the purpose described.

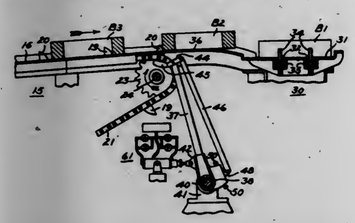
2,363,920

CONVEYER MECHANISM

Richard W. Young and Fred B. Fay, Worcester, Mass., assignors to Morgan Construction Company, Worcester, Mass., a corporation of Massachusetts

Application October 2, 1943, Serial No. 504,722

5 Claims. (Cl. 198—24)



1. Conveyer mechanism for handling articles, such as annular rod bundles or the like, comprising a receiving conveyer, a substantially horizontal delivery trough leading to the conveyer, the trough having a longitudinal slot therein adjacent the conveyer, means to move articles along the trough to a position over the slot, an upright arm located beneath the trough and pivotally supported at its lower end, a finger mounted on the upper end of the arm in line with the slot, power actuated means having a lost motion connection with the arm arranged to swing the arm forwardly and rearwardly with a positive motion in timed relationship with the arrival of the articles, and a connection from the power actuated means to the finger arranged to project the finger upwardly through the slot as the lost motion is taken up prior to each forward movement of the arm and to retract the finger as the lost motion is taken up prior to each rearward movement of the arm, the finger serving to push the articles forwardly to the receiving conveyer as the arm swings forwardly.

2,363,921

METHOD OF TREATING WATERS AND COMPOSITION THEREFOR

Wayne L. Denman, Berwyn, Ill., assignor to Dearborn Chemical Company, Chicago, Ill., a corporation of Illinois

No Drawing. Application March 1, 1938, Serial No. 193,366

20 Claims. (Cl. 210—23)

1. The method of conditioning an aqueous bath having present ingredients inducing foaming therein, comprising introducing into said bath a composition containing as its essential antifoam agent an aliphatic ketone containing at least eleven carbon atoms and characterized by the properties of being substantially insoluble in the aqueous bath being treated, steam distilling to a negligible extent, and showing little tendency to saponify with the ingredients of the bath, said ketone being present in an amount sufficient to inhibit foaming of the aqueous bath.

2,363,922

ANTIFOAM COMPOSITION FOR AQUEOUS BATHS

Wayne L. Denman, Berwyn, Ill., assignor to Dearborn Chemical Company, Chicago, Ill., a corporation of Illinois

No Drawing. Application March 1, 1938, Serial No. 193,367

10 Claims. (Cl. 252—321)

1. An anti-foam composition for treating an aqueous bath to inhibit foaming therein, comprising an aliphatic ketone containing at least eleven carbon atoms, said ketone having antifoaming properties, steam distilling to a negligible extent and showing little tendency to saponify with the ingredients of the bath; a dispersing agent comprising tannin and bentonite, and a boron-containing compound of the group consisting of borax, boric acid and a substance which produces borate ions when dissolved in water, said boron-containing compound increasing the viscosity of the mixture.

2,363,923

METHOD OF PURIFYING WATERS

Wayne L. Denman, Berwyn, Ill., assignor to Dearborn Chemical Company, Chicago, Ill., a corporation of Illinois

No Drawing. Application March 1, 1938, Serial No. 193,368

13 Claims. (Cl. 210—23)

1. The method of conditioning an aqueous bath having ingredients present inducing foaming therein comprising introducing into the bath a composition containing as its essential antifoam agent a mixture of saturated and unsaturated aliphatic amines of high molecular weight and each containing at least eleven carbon atoms in an alkyl radical thereof, said amines being characterized by the properties of being insoluble in the bath and showing little tendency to saponify with the ingredients of the bath, the anti-foam agent being present in an amount sufficient to inhibit foaming of the bath.

2,363,924

PURIFYING WATERS WITH STABILIZED EMULSION

Wayne L. Denman, Berwyn, Ill., assignor to Dearborn Chemical Company, Chicago, Ill., a corporation of Illinois

No Drawing. Application July 12, 1939, Serial No. 284,126

16 Claims. (Cl. 210—23)

1. A stable anti-foam composition for treating an aqueous bath to inhibit foaming therein, comprising a set water-soluble continuous phase having colloidally dispersed therethrough particles of an anti-foam agent in a finely divided non-coalesced state, said water-soluble continuous phase preventing the particles of the anti-foam agent from coalescing, said set water-soluble continuous phase including the reaction product formed by a time chemical reaction between a tannin extract and a boron-containing compound having a water-soluble boron ion in the presence of an excess of aqueous liquid, said reaction product having the property of stiffening in the presence of said excess of aqueous liquid, the time of the reaction in the presence of said aqueous liquid being such as to stiffen the reaction product of the tannin extract and the boron-containing compound to at least the state of a paste, and a protective colloid to assist in preventing the finely divided particles of the anti-foam agent from coalescing when the set continuous phase dissolves in the presence of an aqueous bath.

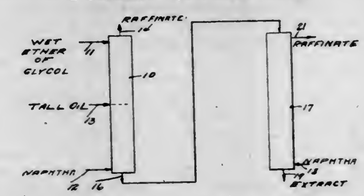
2,363,925

SEPARATION OF TALL OIL INTO COMPONENTS

Frederick W. Adams, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania

Application December 19, 1941, Serial No. 423,597

4 Claims. (Cl. 260—97.5)



1. A method of treating tall oil, which comprises flowing naphtha having a preferential solvent action for fatty acids into one end of a solvent system and a mixture of water and the methyl ether of ethylene glycol having a preferential solvent action for resin acids into the other end of said system and flowing the two solvents mutually countercurrently through the system, introducing tall oil at approximately mid portion of the system, removing the naphtha saturated with a fraction of tall oil which is enriched in fatty acids and impoverished in resin acids at the end of the system contiguous to the inlet for methyl ether of ethylene glycol and withdrawing the methyl ether of ethylene glycol saturated with the fraction of tall oil enriched in resin acids and impoverished in fatty acids at the other end of the system, then countercurrently extracting the methyl ether of ethylene glycol and the dissolved tall oil fraction with separate portions of naphtha to form a new fraction of tall oil, the one dissolved in the naphtha being further enriched in fatty acids and impoverished in resin acids.

2,363,926

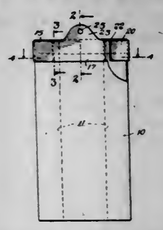
BAG CLOSURE

Egmont Arens, New York, N. Y., assignor to The Great Atlantic & Pacific Tea Company, New York, N. Y., a corporation of New Jersey

Application March 12, 1943, Serial No. 478,888

1 Claim. (Cl. 229—62)

In combination with a conventional bag having gusset sides, the top of the bag being folded along a transverse line with the folded portion extending along and in contact with one side of the bag and in the direction of the gusset fold, independent means embracing the folded end of the bag for locking the folded portion in position against the side of the bag, comprising an endless band like member having front and rear panels and inwardly extending gusset like sides which inter-



fit with the gussets of the bag, said member being slidable longitudinally of the bag into operative and inoperative position, when in operative position the inwardly extending portion of the band like member cooperates with an adjacent panel to clamp the folded portion of the bag against a side wall thereof and lock it in position.

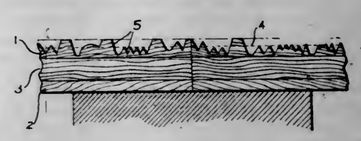
2,363,927

BALANCED STRIATED PLYWOOD PANEL

William C. Bailey, Seattle, Wash., assignor to United States Plywood Corporation, Seattle, Wash., a corporation of New York

Application June 27, 1941, Serial No. 400,115

4 Claims. (Cl. 20—89)



1. A plywood panel wherein the outer face is of somewhat greater maximum thickness than the inner face, such outer face having a multiplicity of grooves extending substantially lengthwise of its grain, of such depth, width, and spacing as to reduce the stresses transversely of the grain, and in the plane of the grooved face ply, to a value approximating those in the ungrooved inner face, the residual thickness in certain of the grooves of the outer face being less than the thickness of the inner face ply, whereby the maximum thickness of the residual zone of the grooved face ply continuously across the whole width of the panel, as established by the depth of the deepest groove, is substantially less than the thickness of the ungrooved opposite face ply.

2,363,928

INSECTICIDE

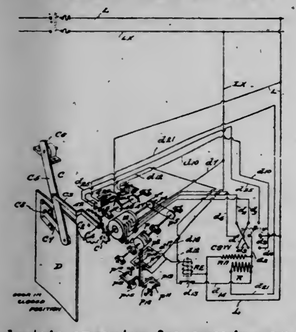
Seaver A. Ballard, Oakland, and Vernon E. Haury, El Cerrito, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application December 1, 1941, Serial No. 421,246

7 Claims. (Cl. 167—30)

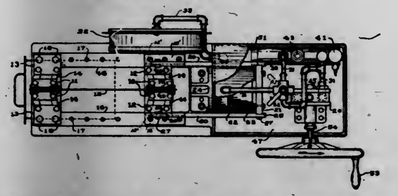
1. An insecticidal composition comprising a carrier and a carboxylic acid ester of an unsaturated alicarbocyclic ketol having the carbonyl group in the cyclic ring, said compound being further characterized by having between 10 and 34 carbon atoms.

2,363,929
ELECTRIC OPERATOR FOR OPENING AND CLOSING DOORS
James H. Banks, Rahway, and Harry R. Jurgens, Scotch Plains, N. J., assignors to Elevator Supplies Company, Incorporated, Rahway, N. J., a corporation of New Jersey
Application September 22, 1942, Serial No. 459,278
9 Claims. (Cl. 268—53)



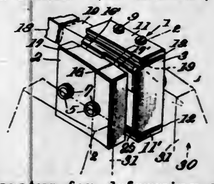
1. An electric operator for opening and closing doors in predetermined time intervals of opening and closing, comprising an extra-powered electric motor door-operating means actuated by the motor, said motor being capable of moving the load represented by the door and the door-equipment from closed to open position, and vice versa, much faster than the predetermined time interval, retarding means operable to limit acceleration of the motor-speed after a predetermined motor-speed has been attained, and a control device responsive to the speed of the motor, operable at said predetermined motor speed to bring into action said retarding means, and below said predetermined motor speed to take out of action said retarding means, so that said motor, irrespective of the position of the door at an initiation, resumption or reversal of its opening and closing movements, operates with its full power, undiminished by said retarding means, to rapidly accelerate the door opening or closing movement until the motor speed reaches said predetermined speed at which the retarding means is again brought into action.

2,363,930
TESTING APPARATUS
Olin H. Basquin, Evanston, Ill., assignor to Streeter-Amet Company, Chicago, Ill., a corporation of Illinois
Application January 1, 1943, Serial No. 470,972
4 Claims. (Cl. 73—95)



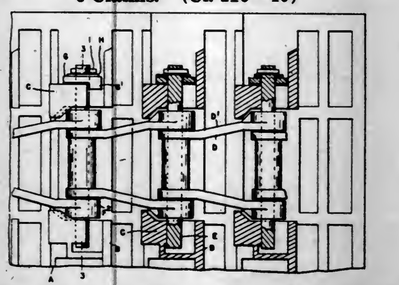
1. Tensile testing apparatus for sheet material such as wood veneer comprising in combination spaced pairs of relatively movable jaws for gripping a specimen, a hydraulic cylinder and piston connected with one of said pairs of jaws for applying tension to said specimen, a reversible rotary pump for supplying pressure liquid to said cylinder and to withdraw the same therefrom on reversal of the pump, an enlarged chamber between said pump and cylinder to damp pressure fluctuation in said cylinder, a check valve between pump and chamber to prevent reverse flow, and a reversing valve between chamber and cylinder to connect the latter directly to the pump and to close the line between chamber and cylinder to permit withdrawal of liquid from said cylinder on reversal of the pump without relieving the pressure in said chamber.

2,363,931
JOGGLING TOOL
Charles L. Beard, Lancaster, Pa.
Application June 11, 1943, Serial No. 490,471
1 Claim. (Cl. 153—21)



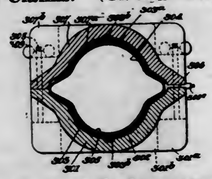
In an apparatus for deforming angle shaped strips of metal, a pair of opposed die members, means for securing said die members together for relative movement toward and away from each other, side plates adjustably secured to the sides of one of said die members, a flange extending along one edge of each of said side plates for maintaining them in spaced relation to said sides to form pockets, one of said pockets between said plates and said sides adapted to slidably receive one leg of an angle shaped strip when the other leg thereof is slidably inserted endwise between the die members, at one side thereof, and the other pocket adapted to receive said one leg when said other leg is slidably inserted between the die members at the other side thereof, said die members each having a working surface extending from side to side thereof and disposed in offset opposition to each other for joggling one or the other of the respective ends of said other leg upon relative movement of said die members toward each other according to which of the side pockets said one leg is inserted in.

2,363,932
DETACHABLE GRATE BAR CONSTRUCTION FOR TRAVELING GRATES
Royce L. Beers, Birmingham, Mich., assignor to Detroit Stoker Company, Monroe, Mich., a corporation of Michigan
Application March 9, 1942, Serial No. 433,980
6 Claims. (Cl. 110—40)



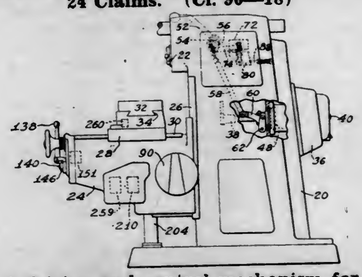
1. In a traveling grate, the combination with a series of adjacent grate bars and a propelling chain therefor extending transversely and intermediate the ends thereof, of means for detachably connecting a grate bar to said chain comprising a pin projecting laterally from said chain, a lug depending from said bar having a bearing for receiving the forward thrust of said projecting pin and provided with a rearwardly extending entrance slot therefor, means for holding said lug against endwise movement on said pin and detachable means for holding said bearing in engagement with said pin.

2,363,933
PORTABLE VENEER PRESS
Vincent Bendix, South Bend, Ind., assignor, by mesne assignments, to Langley Aviation Corporation, New York, N. Y. a corporation of Delaware
Application December 12, 1940, Serial No. 369,699
7 Claims. (Cl. 144—309)



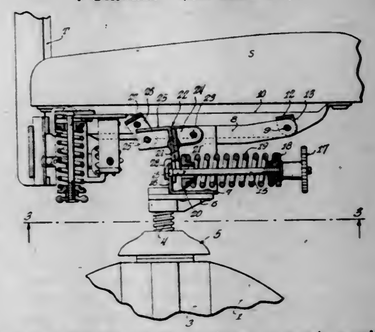
1. The herein described process, which consists in separately applying an assembly of laminated material provided with adhesive material between contiguous faces thereof upon opposed interior faces of separable press members, each of which conforms to a face of an article to be formed thereon, interposing between the inner faces of said separately located assemblies of laminated materials a floating, self-centering, yielding pressure applying device, securing the separate press members with respect to each other and applying pressure through said yielding pressure applying device to distribute it uniformly throughout the engaged surfaces of said separate assemblies of laminated material, and subjecting said laminated material successively to heat and cold while maintaining said pressure thereon.

2,363,934
DRIVING AND CONTROL MECHANISM FOR MILLING AND SIMILAR MACHINES
Arthur F. Bennett, West Barrington, R. I., assignor to Brown and Sharpe Manufacturing Company, a corporation of Rhode Island
Application October 31, 1941, Serial No. 417,342
24 Claims. (Cl. 90—18)



1. A driving and control mechanism for milling and similar machines having a work engaging tool, a rotary holder rotatable to maintain an efficient relative surface speed of tool and work for cutting and a support movable to effect relative translatory movement of the work and tool, which comprises an electric motor for rotating the holder, an electric motor and connections therefrom including a clutch for driving the support, and control means including a machine stop control element, power operated means acting when rendered operative to disengage the clutch, and connections actuated by said stop control element to de-energize both of said motors and simultaneously to cause said power operated means to disengage said clutch.

2,363,935
CHAIR
Arthur R. Boerner, Milwaukee, Wis., assignor, by mesne assignments, to Automatic Products Company, Milwaukee, Wis., a corporation of Wisconsin
Application February 3, 1941, Serial No. 377,084
7 Claims. (Cl. 155—77)

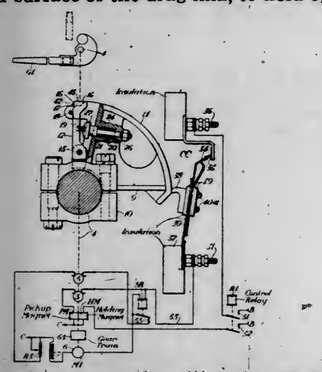


7. In a tiltable chair, a base, a seat, a pivotal connection between said seat and base, a lever, means for connecting said lever to said base for pivotal movement about a fixed axis spaced from said pivotal connection, resilient compressible means acting upon said lever to urge it to rotate in one direction about said fixed axis, and a link pivoted to said seat at greater distance from said pivotal connection than the distance of said fixed axis from said pivotal connection, said link being also operatively connected to said lever whereby backward tilting of said seat will cause said lever to rock against the action of said resilient compressible means.

2,363,936
CIRCUIT CONTROLLER
Herbert L. Bone, Forest Hills, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application January 19, 1942, Serial No. 427,279
3 Claims. (Cl. 200—67)

1. In combination, a shaft having a reversible arcuate movement between a first and a second position, a cam member fixed on said shaft and formed with a periphery which terminates at one end in a beveled surface, a drag link pivoted on said cam member and formed with a periphery that aligns with the cam member periphery at said one end, said drag link periphery terminating in a beveled surface and then a latch surface at its end remote from the cam member periphery, a stop to limit rotation of said drag link about its pivot away from said cam member periphery, spring means to oppose rotation of the drag link about its pivot toward said cam member periphery and characterized to exert a strong force only after the link has been rotated a given angle from said stop, a cam follower spring biased to engage said peripheries and said beveled and latch surfaces; and a cir-

cuit controller contact having a stationary member and another member operatively connected to said cam follower to close the contact when the cam follower engages said peripheries, to open the contact by snap action as said shaft moves toward said second position due to rotation of the drag link about its pivot by the spring bias of the follower when the follower engages the beveled surface of the drag link, to hold open



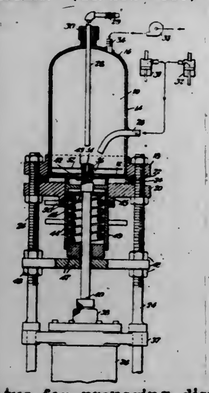
the contact at said second position, to compress said spring means when the shaft moves toward said first position because the follower engages said latch surface, and to close the contact by snap action as said shaft moves toward said first position due to rotation of the drag link about its pivot by said spring means when the cam follower engages the beveled surface of the cam member and is lifted out of engagement with said latch surface.

2,363,937

METHOD AND APPARATUS FOR PREPARING DISPERSIONS

David G. Brandt, Westfield, and Samuel J. Wynn, Riverton, N. J., assignors to Cities Service Oil Company, New York, N. Y., a corporation of Pennsylvania

Application October 9, 1941, Serial No. 414,334
8 Claims. (Cl. 252—359)



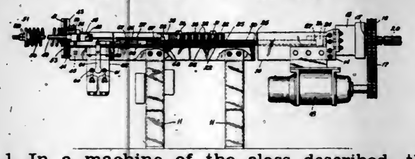
1. An apparatus for preparing dispersions in liquids, comprising a chamber in which the dispersions are prepared, said chamber having as one wall thereof a metal diaphragm of relatively large area having its rim anchored and its center free to vibrate, means for supplying liquid to be treated to the chamber in contact with said diaphragm, means outside said chamber for vibrating said diaphragm including a reciprocating hammer movable independent of the diaphragm and mounted in a position to impart a succession of sharp impacts at high frequency to the central portion of said diaphragm, and means for transmitting the hammer impacts to the central portion of the diaphragm.

2,363,938

MACHINE FOR PROOF TESTING THE HOLDING EFFICIENCY BETWEEN WIRE CABLES AND FITTINGS, ETC.

Otto J. Bratz, Adrian, and Harry D. Baluss, Palmyra, Mich., assignors to American Chain & Cable Company, Inc., Bridgeport, Conn., a corporation of New York

Application July 23, 1942, Serial No. 452,119
13 Claims. (Cl. 73—160)



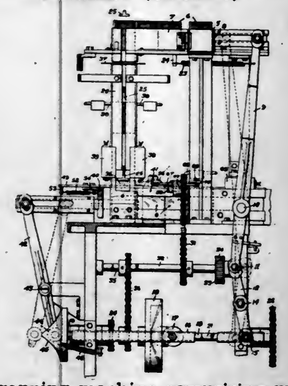
1. In a machine of the class described, the combination of a resiliently loaded pulling block adapted to detachably receive one end of an elongated member, a pulling block adapted to detachably receive the other end of said elongated member and mounted for movement toward and away from said first mentioned block, an operating means for moving said last mentioned block, means carried by said first mentioned block for arresting the operation of said operating means upon a predetermined movement of said first mentioned block, a timing mechanism, means also carried by said first mentioned block for setting said timing mechanism in operation after a predetermined amount of movement of said first mentioned block and before said operating means has been arrested, and means under control of said timing mechanism for causing said operating means to reverse its operation for returning said second mentioned block into its normal home position.

2,363,939

WRAPPING MACHINE

Robert Roland Brightwell, Philadelphia, Pa., assignor to Stephano Brothers, Philadelphia, Pa., a corporation of Pennsylvania

Application September 5, 1941, Serial No. 409,629
5 Claims. (Cl. 93—6)



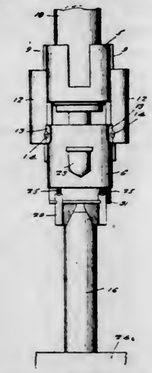
1. A wrapping machine comprising means for wrapping sheet material partially around an article so as to provide two projecting flaps adjacent one end thereof, means for slitting each of the flaps so that they may be readily fractured, means for supporting said flaps while they are being slitted, and means comprising a block having a slot position between said flaps and means for thereafter folding and securing the flaps downwardly against the article in superimposed relationship.

2,363,940

SELF-CENTERING DEVICE

Walter Leroy Brockway, Auburn Township, Geauga County, Ohio, assignor of one-half to Maxwell Greenler, Chardon, and one-fourth to Lewis M. Brockway, Chagrin Falls, Ohio

Application May 26, 1943, Serial No. 488,607
2 Claims. (Cl. 77—18)



1. A self-centerng device for drills comprising a tubular upper section for fitting about a drill shank above a chuck and adapted to be detachably secured thereon, a cup-shaped lower section for fitting about the chuck in downwardly spaced relation to the upper section and formed at the center of its bottom with an opening to accommodate a bit carried by the chuck, the lower section being formed with vertically extending circumferentially spaced grooves, vertically disposed guide bars carried by the upper section and extending downwardly therefrom into said grooves, lugs projecting outwardly from upper portions of said bars, spring casings carried by the lower section and extending upwardly therefrom about said bars with said lugs in upper portions thereof, springs in said casings engaging said lugs and yieldably resisting upward movement of said lower section about the chuck, said bit projecting downwardly through the opening in the bottom of the lower section, and work-engaging guides extending downwardly from said lower section and shiftable radially across the bottom thereof toward and away from its central opening and having bevelled inner side edges for engaging work and centering the bit over the work.

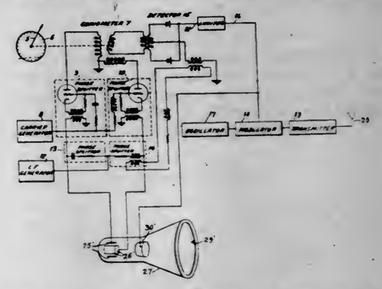
2,363,941

ANGLE INDICATING APPARATUS

Henri G. Busignies, Forest Hills, N. Y., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

Application March 5, 1941, Serial No. 381,838
7 Claims. (Cl. 177—337)

1. A phase-displacement device including a goniometer device having two mutually perpendicular coils and one search coil, said two coils being relatively rotatable with respect to said search coil, a source of high frequency energy, phase-splitting means connected between said source and said two coils of said goniometric device for applying currents in phase quadrature



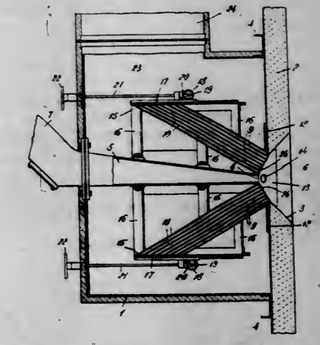
to said two coils respectively, a source of low frequency energy, phase-splitting means connected between said second-mentioned source and said first-mentioned phase-splitting means for applying low-frequency currents in phase quadrature to modulate the high-frequency energy applied to said two coils.

2,363,942

FUEL BURNER

Oliver F. Campbell, Whiting, Ind., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine

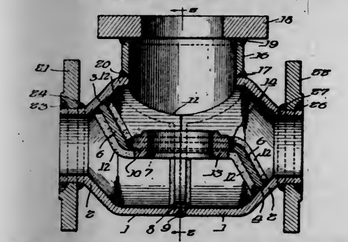
Application February 17, 1942, Serial No. 431,233
5 Claims. (Cl. 110—104)



1. In a fuel burner for burning finely-divided solid fuel suspended in a gaseous medium the improvement which comprises a fuel injection nozzle having a relatively broad, thin exit port, two banks of air ducts each bank comprising a plurality of substantially parallel air ducts substantially co-extensive in breadth with the breadth of the nozzle exit port, one bank being positioned on each of the opposite broad sides of the nozzle exit port so that the parallel planes of the respective ducts form acute angles with the longitudinal plane of the nozzle exit port and intersect said longitudinal plane extended inwardly from said port, a damper for each bank of air ducts for controlling the passage of air through the respective ducts thereof, said damper comprising a member adapted to close each of the ducts of the bank when in the extreme closed position, to admit air through each of the ducts

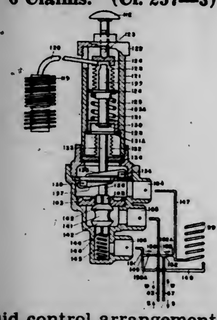
of the bank when in the extreme open position and to open first the innermost duct only of the respective banks and progressively to open additional successively outer ducts thereof as the damper member is moved from the closed position to the open position.

2,363,943
WELD FABRICATED VALVE
Otto M. Carlson, Chicago, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois
Application September 4, 1942, Serial No. 457,253
4 Claims. (Cl. 251—156)



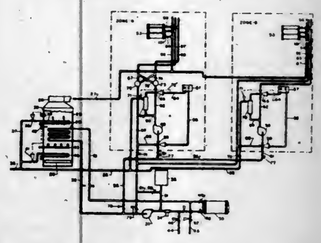
1. A weld fabricated valve casing comprising, in combination, a pair of identical swaged tubular sections welded together to form the inlet and outlet of the said valve, a pair of angular plate members relieved to form a common aperture therebetween and welded to an interior surface of said swaged tubular sections, a substantially semi-circular supporting member within the said casing positioned at the juncture of the weld joining the said swaged tubular sections, the opposite end portions of the said supporting member terminating in a plane just below the weld joining the angular plate members adjacent the common aperture therebetween.

2,363,944
AIR CONDITIONING SYSTEM CONTROL ARRANGEMENT
Willis H. Carrier, Syracuse, N. Y., assignor to Carrier Corporation, Syracuse, N. Y., a corporation of Delaware
Original application August 12, 1939, Serial No. 289,749. Divided and this application July 7, 1942, Serial No. 450,052
6 Claims. (Cl. 257—3)



3. In a fluid control arrangement of the character described, a first conditioning medium line, a second conditioning medium line, means for routing heating conditioning medium through said lines under winter operating conditions and cooling conditioning medium through said lines under summer operating conditions, a heat exchanger connected to said lines, a proportioning valve structure, a multi-seat valve in the structure, a first fluid port, a second port, a third port, all said ports connecting said lines to passages controlled by said valve, and means operative responsive to variations in atmospheric conditions during certain seasons of the year for routing heating conditioning medium from one of said lines in a desired ratio with one part flowing through said heat exchanger and two of said ports and the remainder of the medium flowing through one of said last two mentioned ports and the third port, the ratio being varied responsive to variations in the position of said valve, said means being operative responsive to variations in atmospheric conditions during other seasons of the year for routing cooling conditioning medium in a different flow arrangement through the same ports and exchanger.

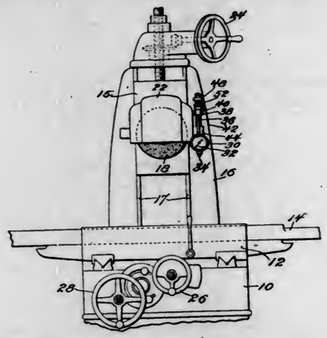
2,363,945
AIR CONDITIONING SYSTEM
Willis H. Carrier, Syracuse, N. Y., assignor to Carrier Corporation, Syracuse, N. Y., a corporation of Delaware
Original application August 12, 1939, Serial No. 289,749. Divided and this application July 7, 1942, Serial No. 450,054
8 Claims. (Cl. 257—3)



4. In combination, a plurality of air conditioning units, a fluid circuit for supplying conditioning medium to and returning conditioning medium from said units, said fluid circuit comprising a first common conduit serving said units, a second common conduit serving said units, and an impeller device, means for delivering conditioning medium discharged by said impeller to said units through said first common conduit under predetermined operating conditions, and for returning conditioning medium from said units through said second common conduit under said predetermined operating conditions, and means for delivering conditioning medium discharged from said impeller to said units through said second common conduit under other predetermined operating conditions, and for returning conditioning medium from said units through said first common conduit under said other predetermined operation conditions, whereby under said different operating conditions conditioning medium is circulated in different directions through said first and second common conduits.

2,363,946
GRINDING MACHINE
Langdon W. Curry, Fall River, Mass., assignor to Brown and Sharpe Manufacturing Company, a corporation of Rhode Island
Application January 28, 1943, Serial No. 473,836
3 Claims. (Cl. 51—165)

1. In a grinding machine, the combination of a grinding wheel, a grinding wheel spindle, a grinding wheel spindle support and a work support, said supports being constructed and arranged for relative movement toward and away from one another to provide a depth feed of the grinding wheel toward the work, and for relative positioning movements in a plane normal to the direction of said depth feeding movements, a gauge secured to move as a unit with the grinding wheel spindle support having a contact member the contact surface of which is arranged for one reading of said gauge to be located in the same plane normal to the direction of said depth feeding movements with the work engaging surface portion of the grinding wheel, said contact member being spaced from the grinding wheel in said plane to permit relative positioning movement of said supports in said normal plane to locate the work selectively in the path of movement of the gauge during said relative depth feeding movements of said supports, and in grinding position with respect to the grinding wheel.

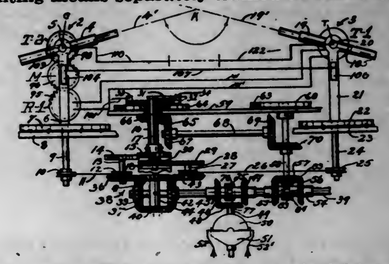


2,363,947
ALLOYS FOR CUTTING TOOLS
Anthony G. de Golyer, Old Greenwich, Conn., assignor to Laurence A. Janney, Stamford, Conn., as trustee
No Drawing. Application March 11, 1943, Serial No. 478,828
7 Claims. (Cl. 75—123)

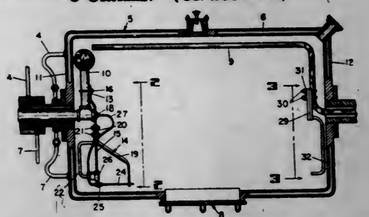
1. An alloy comprising tungsten 12.00% to 20.00%, molybdenum 1.00% to 6.00%, cobalt 20.00% to 35.00%, boron 0.45% to 0.95%, carbon 0.35% to 0.85%, and the remainder principally iron, characterized by responsiveness to thermal treatment for the precise concurrent development of a predetermined hardness between 62 and 70 Rockwell C, a relatively high degree of red hardness, and stability against permanent variation of predeveloped hardness through diffusion or atomic rearrangement when subsequently heated to temperatures up to approximately 1275° F. for a period of time necessary to effect efficient brazing or other fabrication.

2,363,948
GUNFIRE CONTROL SYSTEM
Joseph Dugan, Los Angeles, Calif., assignor of one-half to Evelyn R. Dugan, Los Angeles, Calif.
Application January 19, 1942. Serial No. 427,368
5 Claims. (Cl. 89—41)

1. In a system of gunfire control; a horizontally stabilized aircraft, means on said aircraft for continuously sighting two spaced apart objects, and mechanism controlled by holding said sighting means separately trained on said objects for steering said aircraft along a straight course over and lying in the vertical plane passing through said objects.

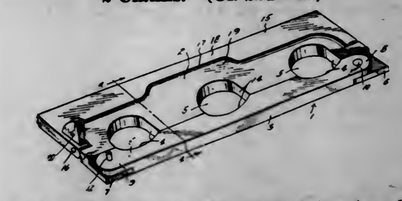


2,363,949
CHURN CLEANING APPARATUS
Stanley T. Fauver, Painesville, Ohio, assignor to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware
Application July 22, 1942, Serial No. 451,981
5 Claims. (Cl. 259—88)



1. In a reaction vessel rotatably supported by two hubs, one at each end thereof, said vessel having a conduit extending through at least one of said hubs into the interior of said vessel, the improvement in apparatus for reducing the tendency of materials to adhere to the walls of said vessel comprising an arm-like member supported inside said vessel by said conduit, said member being adjacent to an end wall of said vessel and extending from substantially the axis of said vessel to a point adjacent to the side wall of said vessel.

2,363,950
MILK BOTTLE CARRIER
Perley Eugene Fearon, Canaan, Vt.
Application December 4, 1942, Serial No. 467,879
2 Claims. (Cl. 224—45)



1. A milk bottle carrier comprising two horizontal plate-like bars, one of said bars having laterally projecting flanges on the inner longitudinal edges of its end portions, the other bar having end portions of reduced thickness, one of the latter end portions being pivoted on one of said flanges to provide for swinging of said other bar toward or away from said one bar, the other of said end portions being positionable upon the

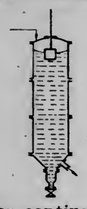
other flange when said other bar is swung to a closed position against said one bar, said other end portion having an opening, said other flange having an upstanding pin arranged to enter said opening to releasably secure said other bar in closed position, said bars having a plurality of opposed complemental notches in their inner edges forming a series of openings for retaining reception of the necks of a plurality of bottles when said other bar is in closed position, the ends of said one bar having notches, and a bail pivoted at its ends to the ends of said one bar within said notches.

2,363,951

PROCESS OF EMULSION-POLYMERIZATION

Hans Fikentscher, Ludwigshafen-on-the-Rhine, Germany, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

Application October 15, 1938, Serial No. 235,184
In Germany October 23, 1937
5 Claims. (Cl. 260—84)



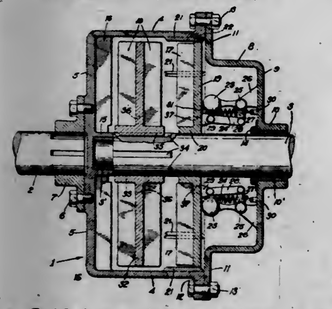
1. In a process for continuously polymerizing in aqueous emulsion organic monomeric polymerizable compounds lighter than water and yielding a dispersion of polymerizates heavier than water, the steps which comprise carrying out the polymerization in a high column of the aqueous emulsion, continuously supplying the emulsion of the monomer in water at the top of the column, separating the monomer and the polymerization product formed into layers by concentration of the monomer in the top of the column of the emulsion and the polymerized product in the bottom due to their difference in specific gravity, withdrawing the dispersion of the polymerization product formed from the bottom of the column at the same rate as the emulsion is supplied to the top, and agitating only the uppermost part of the column of the emulsion liquid.

2,363,952

FLUID TRANSMISSION

Baxter M. W. Fillmore, Jericho Beach, Vancouver, British Columbia, Canada

Application June 15, 1942, Serial No. 447,064
8 Claims. (Cl. 60—54)



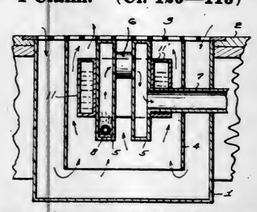
4. In a fluid transmission system, a driving member, a driven member, a pair of blade elements rotating in unison with one of said members, said elements being relatively movable toward and away from each other, a floating blade element rotating in unison with the other of said members, said floating element being disposed between and free to take up different positions relatively to the first named elements, and means responsive to the operation of one of said members for causing relative movement between the two first named elements.

2,363,953

GAS FURNACE

John Hughes Forrester, Waldron, Ark.

Application May 1, 1942, Serial No. 441,367
1 Claim. (Cl. 126—113)



In a furnace for suspension from a floor provided with a rectangular opening therein, a box-like rectangular casing having an open top adapted to be fitted in said opening, a relatively smaller rectangular shell open at the top and bottom thereof and centered in said casing with the top thereof flush with the top of the casing and its bottom spaced above the bottom of the casing to provide a cold air down-draft space between said casing and shell, and an up-draft chamber in the shell communicating with said down-draft space, a heating unit in said shell comprising a pair of side-by-side rectangular hollow members depending edgewise into the shell and having top surfaces level with the top edges of the shell, said members being spaced apart laterally and spaced from the shell to expose a maximum heating surface in the shell, a burner in the bottom of one member, a cross flue connecting the upper portion of said one member with the upper portion of the other member, a heat vent pipe extending from one side of said other member laterally through said shell and casing, and a U-shaped transversely rectangular water jacket straddling the members of the heating unit horizontally, and fitting against the same for heating by said members, said jacket being spaced from the shell to provide for up-draft past the same, and having a perforated top located below the top of the shell for the escape of moisture therethrough to humidify air heated in the said shell.

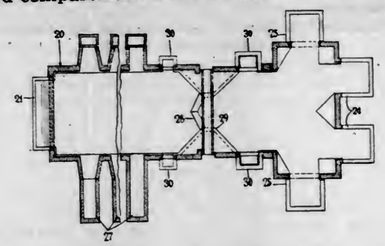
2,363,954

CONSTRUCTION FOR GLASS MELTING TANKS

Wilbur F. Gaunder, Mount Vernon, Ohio, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania

Application June 5, 1942, Serial No. 445,903
7 Claims. (Cl. 49—54)

1. In a glass melting tank for containing a molten glass bath at predetermined level and including side walls running longitudinally forwardly and rearwardly of the tank, compartments on opposite sides of the tank having forward and rearward walls defining mouths opening laterally at said side walls into the body of the tank, oblong refractory bars disposed substantially longitudinally with respect to said side walls and extending between forward and rearward compartment walls on opposite sides of the



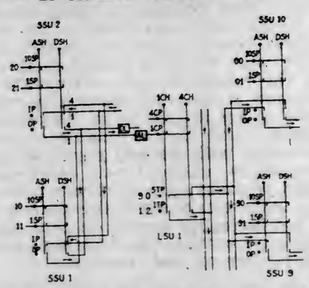
tank to control flow of molten glass into and out of said compartment, and means for holding the refractory bars at predetermined locations with respect to the forward and rearward walls of the compartments.

2,363,955

CROSSBAR SWITCH

Charles Gillings and Lawrence John Murray, Liverpool, England, assignors, by mesne assignments, to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Application December 26, 1942, Serial No. 470,158
In Great Britain February 27, 1942
13 Claims. (Cl. 179—22)



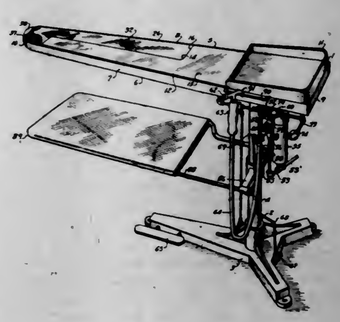
1. In a switching system, a plurality of primary lines, a plurality of links, a plurality of groups of secondary lines, the different lines of each group corresponding respectively to the different ones of said links, a single crossbar switch in which all of said lines and all of said links appear, the contacts of said switch being so arranged that each of said primary lines is selectively connectable to any of said links and each of said secondary lines is connectable only to its corresponding link, apparatus common to all of said groups, means for causing said apparatus to search in any particular one of said groups for an idle secondary line whose corresponding link also is idle, means in said apparatus effective if such a line is found to operate said crossbar switch to condition all of the secondary lines in said particular group for inclusion in a connection, means for also operating said crossbar switch to condition any one of said primary lines for inclusion in a connection, said switch having an individual magnet for each of said links, and means effective while said primary line and said secondary lines are concurrently conditioned to operate the magnet for the link corresponding to said idle secondary line, said crossbar switch thereupon effective to complete a connection from said conditioned primary line to said idle secondary line over the link corresponding to said idle secondary line without completing any other connection between any primary line and any secondary line.

2,363,956

SPOTTING APPARATUS

William C. Glover, Jr., Raytown, Mo., assignor to Cleaners Specialties, Inc., Kansas City, Mo., a corporation of Missouri

Application February 24, 1940, Serial No. 320,597
7 Claims. (Cl. 68—6)



1. In an apparatus of the character described, a support, a combination spotting and steaming board on the support including, a pan-like body having a wall-like rim, a partition dividing said body into separate compartments, heating means in said compartments, a supporting ledge extending in inset relation with the rim of said body, cooperative supporting ledges on said partition, an imperforate cover covering one of said compartments of the body on one side of said partition and carried on the supporting ledges, a screen member carried on the supporting ledges at the opposite side of said partition and closing the other compartment of said pan-like body, a fabric covering supported on the screen member and having the marginal edge thereof secured to the under face of the screen member, clips on one end of the screen member engaging under a portion of said partition, and a retaining member fixed to the pan-like body and having a portion engaging over said screen member to cooperate with said clips in retaining the screen member on the supporting ledge with the upper surface of the fabric covering in plane with the upper surface of the imperforate cover.

2,363,957

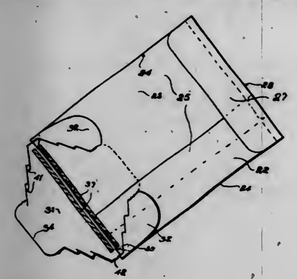
ENVELOPE OR CONTAINER

George H. Goff, Fitchburg, Mass., assignor to The Brown Bag Filling Machine Company, a corporation of Massachusetts

Application December 2, 1942, Serial No. 467,636
2 Claims. (Cl. 229—35)

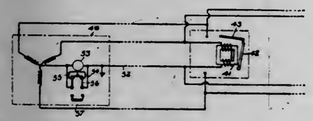
1. A container of the character described comprising a blank of sheet material having a front wall and two side flaps lapped to form a back wall, their lower edges forming a line across the container, a bottom flap extended integrally from the lower edge of said front wall longitudinally beyond said back wall and folded upward'y at the said lower edges of the back wall, fillets integral with the side and bottom flaps formed at each side of the junction of said bot-

tom flap and said front wall and extended laterally from the lines of fold of the side flaps and longitudinally beyond the line of fold of the bottom flap, said bottom flap having respective series of perforations at each side defining a substantially triangular central tongue having a broad base coincident with the base of the flap and a narrow portion at the extremity of the flap, said flap including integral lateral parts outwardly of and adjacent the narrower part of said tongue, an adhesive in permanent securing



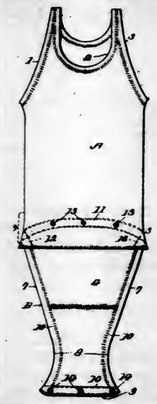
engagement between said lateral parts and the underlying wall of the container, said tongue throughout its area being free of said wall, and a dam between the flap and underlying wall across the bottom of the container below said perforations, said dam consisting of a strip of material coengaged between the base of said tongue and the said back wall closely adjacent the lower edge of the latter but within the longitudinal extent of and abutting said fillets and being of a material structurally weaker than the sheet material of said blank.

2,363,958
DEMAND METER AND CONTROL THEREFOR
Emanuel N. Goodman, New York, N. Y.
Application September 9, 1943, Serial No. 501,639
2 Claims. (Cl. 171—34)



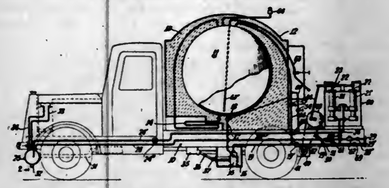
1. In a metering system, a three phase, four wire circuit including a grounded neutral conductor, a plurality of measuring instruments in said circuit and each including an indicator operable in accordance with values of a quantity being measured, means movable from a normal position to so operate said indicator, an impulse-responsive element at each measuring instrument operatively connected to said operating means, a control station, a low voltage direct current generator at said control station having its armature normally short circuited and permanently connected to said neutral conductor, a shunt field for said generator, and a switch normally short circulting said armature and periodically operated to open said short and connect said shunt field to said armature whereby to transmit an impulse over said conductor to said responsive elements to restore said indicator operating means at each instrument to normal position.

2,363,959
GARMENT
Pleasant H. Hanes, Winston-Salem, N. C., assignor to P. H. Hanes Knitting Company, Winston-Salem, N. C., a corporation of North Carolina
Application July 27, 1943, Serial No. 496,319
5 Claims. (Cl. 2—78)



1. In a one-piece garment of the character described, a resilient knitted shirt part, a resilient knitted short pants part comprising a flap including a rear buttocks-covering portion merging with the back of the shirt part and a crotch and front portion; a non-resilient strip secured to the shirt part front in the waist region and extending transversely across the shirt part front with its ends terminating substantially at the respective side extremities of the garment, said strip being secured to said shirt part front along an arc with its central part being highest and at the middle of the shirt part front and with its end parts being lowest and respectively adjacent said shirt part side extremities, whereby said shirt part front can be stretched transversely when the grament is being put on; fastening means on said non-resilient strip; and cooperating fastening means on the front portion of said pants part.

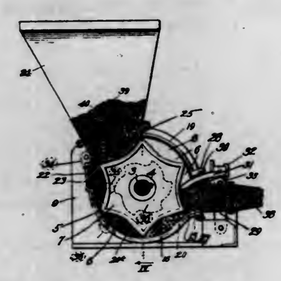
2,363,960
APPARATUS FOR DISPENSING A LIQUEFIED GAS
Odd A. Hansen, Kenmore, N. Y., assignor to The Linde Air Products Company, New York, N. Y., a corporation of Ohio
Application December 7, 1940, Serial No. 369,023
5 Claims. (Cl. 62—1)



5. In a system for dispensing a liquefied gas, the combination of a container for the liquefied gas, a vaporizer for vaporizing liquefied gas, pumping apparatus connected both to said container and to said vaporizer and operable to withdraw liquefied gas from said container and to discharge liquefied gas into said vaporizer,

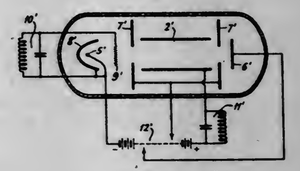
means for supplying heat to said vaporizer to vaporize liquefied gas passing thereto, a discharge connection leading from said vaporizer for dispensing vaporized gas, a liquefied gas by-pass connection leading to said discharge connection from the connection between said pumping apparatus and said vaporizer, and means for controlling said by-pass and operable to deliver variable quantities of liquefied gas directly from said pumping apparatus into the vaporized gas in said discharge connection to regulate the temperature of such vaporized gas.

2,363,961
ROTARY PUMP
Walter L. Hart, Milwaukee, Wis.
Application December 5, 1942, Serial No. 468,173
2 Claims. (Cl. 103—124)



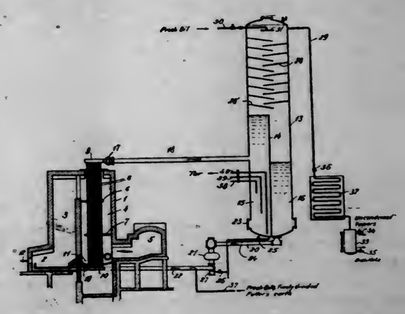
1. In a rotary pump, a base, parallel beams at opposite sides of the base, a shaft journaled on the beams, a sleeve on the shaft between said beams, a circular rotor secured on the sleeve, comprising a series of similar peripheral pockets and rings forming sides for the pockets, a casing for the rotor having circular openings snugly receiving said rings and secured to said base and providing entry and exit openings for material supplied to and discharged from the said pockets, rings secured to the base and flanking and bridging the joints between the rotor sides and the first-named openings, gasket rings carried by said flanking rings and closing the joints between the rings forming the sides of the rotor and the circular casing openings receiving said sides, the casing of the rotor including arcuate sections above and below the rotor and spaced apart at their ends to form the entry and exit openings for the rotor pockets, the inner sides of said sections being in close proximity to the perimeters of the ring-shaped sides of the rotor, a feed hopper communicating with said entry opening, a material discharge tubular member communicating with the said exit opening, an arcuate oscillatory gate projecting into the rotor casing and closing the space between the rotor and the upper side of said tubular member, a linkage connecting the gate with the rotor casing, a pair of cams on the said shaft, at opposite sides of the rotor casing and provided with lobes in radial planes intersecting the mid points of the rotor pockets, and a pair of rollers carried by the said linkage for engagement by said lobes to cause the gate to enter a pocket and scrape half the bottom of the pocket and be reversely operated under pressure applied by the remainder of the bottom of the pocket.

2,363,962
HIGH FREQUENCY APPARATUS
Oskar Heil, Ludwigshafen-on-the-Rhine, Germany, assignor to Radio Corporation of America, a corporation of Delaware
Original application February 23, 1935, Serial No. 7,894, now Patent No. 2,235,497, dated March 18, 1941. Divided and this application August 23, 1940, Serial No. 353,833. In Germany February 23, 1934
35 Claims. (Cl. 250—27)



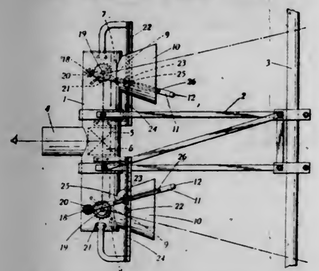
35. Apparatus for producing electrical oscillations including a cathode for directing a stream of electrons along a space discharge path, a first means and a second means positioned in said path in succession for defining spaces in which high frequency electromagnetic fields may be generated, and circuit means associated with said means for providing a first high frequency field in the first space to vary the velocity of the electrons in said electron stream and for providing a second high frequency field in the second space for extracting energy from said electrons.

2,363,963
OIL CRACKING PROCESS
Eugene C. Herthel, Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine
Application February 12, 1927, Serial No. 167,716
6 Claims. (Cl. 196—55)



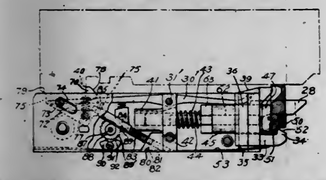
1. In the cracking of heavy hydrocarbon oils for the production of lighter hydrocarbon oils therefrom by distillation under pressure, the improvement comprising circulating the oil through a heating zone and heating it therein to a cracking temperature, maintaining finely divided fuller's earth in intimate admixture with the oil while passing through the heating zone, separating suspended fuller's earth from the circulating oil after it leaves the heating zone, and after such separation recirculating oil therefrom through the heating zone.

2,363,964
EXTENSOMETER
Arthur Victor Howson and Neville Stanley Reed, London, England, assignors to Callender's Cable & Construction Company Limited, London, England, a British company
Application December 14, 1940, Serial No. 370,210
In Great Britain December 23, 1939
15 Claims. (Cl. 88—14)



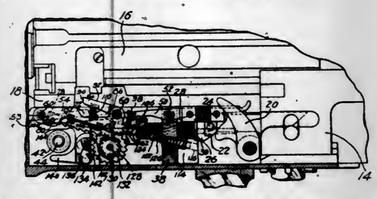
1. An extensometer for measuring the extension up to and at breaking point of a loaded test piece of rubber or like elastic material having two reference marks, comprising a system of reflecting surfaces arranged to bring the images of the two marks into view in close and defined proximity, said system including a stationary eye-piece, a pair of mirrors, one for each mark, and means for adjusting each of said mirrors in a linear direction during a test, whereby to keep the images in view in the said eye-piece, and means for indicating the extent of movement of one mirror relative to the other mirror.

2,363,965
MEANS FOR RETARDING RATE OF FIRING OF AUTOMATIC FIREARMS
George Ironside, Hartford, Conn., assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn., a corporation of Connecticut
Application March 27, 1941, Serial No. 385,397
2 Claims. (Cl. 89—3)



1. An automatic firearm comprising in operative relationship a breech casing, a breech bolt mounted within said casing for automatic movement longitudinally thereof between firing and recoil positions in accordance with the functioning of the firearm, said breech bolt having adjacent its rearward end a projection depending from its underside, biasing means normally urging said breech bolt toward firing position, and a lock frame mounted within said breech casing adjacent its rearward end, said lock frame being below said breech bolt, in combination with a retarder device mounted within said lock frame, and means for connecting said retarder device with said breech bolt, said connecting means being mounted substantially entirely within said lock frame and reciprocably movable in a path extending forward and downward in said lock frame and including a member normally projecting above said lock frame in position to engage said projection depending from said breach bolt during a portion of the movement of said breech bolt toward firing position, whereby said member connects said breech bolt to said retarder device during said portion of the movement of said breech bolt and the force of said retarder device opposes the force of said biasing means and causes a delay in the return of the breech bolt to firing position until said member moves downward in said lock frame sufficiently to disengage said projection on said breech bolt.

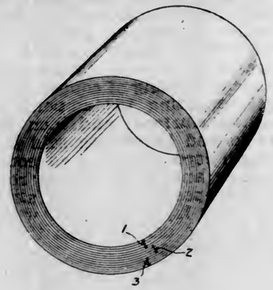
2,363,966
MEANS FOR REGULATING THE RATE OF FIRE OF AUTOMATIC FIREARMS
George Ironside, Hartford, Conn., assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn., a corporation of Connecticut
Application March 25, 1942, Serial No. 436,164
6 Claims. (Cl. 89—3)



1. In combination with an automatic firearm including a breech casing containing a lock frame and a recoil-actuated breech bolt reciprocable above said lock frame in recoil and counter-recoil directions and said firearm also including means normally urging said breech bolt in counter-recoil direction, mechanism for controlling the rate of firing of said firearm and comprising, retarding means mounted within said lock frame, a member mounted within said lock frame for movement in opposite directions along a fixed path extending forward and downward, said member being connected to said retarding means, a pawl pivotally carried by said member and having a portion extending rearward of the pivot therefor and normally projecting above said lock frame whereby said portion is arranged to engage said breech bolt during the initial part of its counter-recoil movement to effect connection between the breech bolt and said retarding means to oppose the force of the means normally urging the breech bolt in counter-recoil direction and retard the movement of said breech bolt in said direction, said pawl automatically disengaging said breech bolt at a predetermined position in the path of movement of the breech bolt in counter-recoil direction, and a screw adjustably carried by said pawl forward of the pivot therefor and arranged to engage said member to selectively vary the amount said portion of said pawl may pivotally move and project above said lock frame to thereby vary said position at which the pawl automatically disengages said breech bolt.

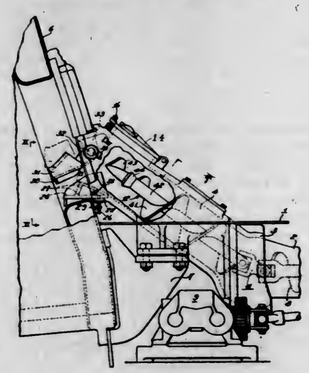
2,363,967
MULTILAYER VESSEL
Thomas McLean Jasper, Milwaukee, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application May 2, 1942, Serial No. 441,520
2 Claims. (Cl. 220—3)

2. A multi-layer high pressure cylindrical shell of the class described having a diameter to wall thickness ratio less than about ten, comprising many superimposed cylindrical layers of metal of uniform thickness, substantially free of prestress and disposed concentrically one within another in tight pressure contact with one another throughout at all times, said layers of metal being composed of at least three groups, the inner



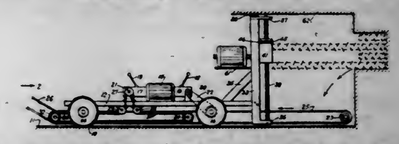
groups of layers being of metal of greater strength than the metal of the next adjacent group of layers, and similarly with each successive group, the outer group of layers being of metal of the least strength, to provide a shell in which the unit strength of the metal of the respective layers is more nearly proportional to the stressing of the respective layers in service.

2,363,968
STOKER RISER SCREW
Samuel G. Jones, Princess Anne County, Va., assignor to Berkley Machine Works and Foundry Company, Inc., Norfolk, Va., a corporation of Virginia
Application May 1, 1941, Serial No. 391,268
10 Claims. (Cl. 110—105.5)



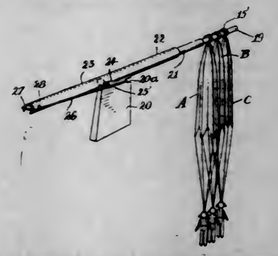
1. A locomotive stoker conveyor screw for use in an inclined riser conduit having an enlarged upper portion, the screw comprising a hub and a conveyor thread encircling the hub, the diameter of a portion of said thread which is spaced rearwardly from its delivery end and is adapted to be disposed in the enlarged upper portion of the conduit being materially smaller than the portions of said thread at both ends of said smaller portion to provide an area in which positive feeding of the coal is reduced whereby the coal will mound up and be spread laterally by the delivery end portion of the thread.

2,363,969
MINING MACHINE
Taze W. Jones, Frederick, Colo., assignor of one-half to B. I. Barnes, Boulder, Colo.
Application January 31, 1944, Serial No. 520,510
6 Claims. (Cl. 262—28)



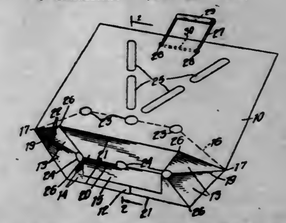
1. In a mining machine two coplanar cutter chains enclosing areas of truncated right angle triangle shape, a horizontal frame for supporting the chains and means for moving said cutter chains in opposite directions with their adjacent sides traveling towards the rear whereby coal will be removed from the cut along the middle line thereof and whereby wedge-shaped spaces will be provided between the vertical walls of the kerf and the outer sides of the cutter arms.

2,363,970
TOY PARACHUTE
Elvy Kalep, New York, N. Y.
Application February 25, 1943, Serial No. 477,027
2 Claims. (Cl. 46—86)



1. A propellable toy parachute comprising a parachute fabric portion having a load secured thereto and carrying a member at the top thereof, a rod slidably engageable with said member and serving as a guide therefor whereby the parachute is freely suspended from said rod and propellable into the air, means to propel said parachute portion and load into the air from said rod.

2,363,971
VENTILATED SHOPPING BAG AND THE METHOD OF CONSTRUCTING THE SAME
Morris Katz, Bronx, N. Y.
Application July 1, 1943, Serial No. 493,029
6 Claims. (Cl. 93—35)



1. The method of producing ventilated shopping bags, which comprises folding the bottom wall portion of a shopping bag centrally and longitudinally to form thereof two halves and

two disposed side walls in common alinement upon each other and upon said folded bottom walls, then perforating the lower portion of the side walls at spaced intervals, and simultaneously perforating folded portions of the bottom wall at the fold therein to form on the resulting bag apertures in the bottom and both side walls which are in common alinement.

2,363,972

METHOD AND APPARATUS FOR MANUFACTURING METAL NAILING STRIPS

Homer G. Kellogg, Detroit, Mich., assignor to Motor Products Corporation, Detroit, Mich., a corporation of New York

Application April 20, 1942, Serial No. 439,744
14 Claims. (Cl. 29—33)



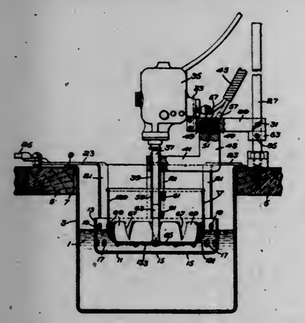
1. In a metal working machine, means for advancing a pair of strips in superposed relation along a predetermined path of travel, means for periodically embossing one of the strips toward the other to hold said strips in lateral spaced relationship, and means for securing the embossed portions on said one strip to the adjacent surface of the said other strip during continued advancement of the strips by the first named means.

2,363,973

METHOD OF COPPER PLATING STAINLESS STEEL COOKING VESSELS

James M. Kennedy, Arthur P. Knight, and Harold J. Lee, Rome, N. Y., assignors to Revere Copper and Brass Incorporated, Rome, N. Y., a corporation of Maryland

Application July 8, 1939, Serial No. 283,432
15 Claims. (Cl. 204—34)



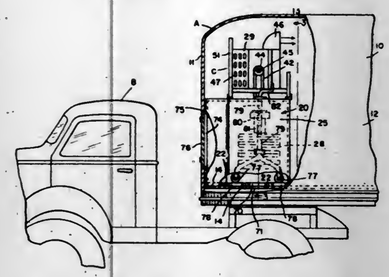
1. The method of coating the bottom and adjacent side wall surfaces of a stainless steel cooking vessel with a strongly adhering layer of copper which comprises preliminarily treating said surfaces to roughen them, subjecting the roughened surfaces to electrolytically released hydrogen without depositing metal on them by immersing the bottom portions only of the vessel in a non-metal bearing dilute aqueous sulphuric acid and while axially rotating the vessel making it a cathode; removing the vessel from said acid at the completion of the cathodic treatment and substantially immediately immersing said bottom portions in an aqueous sulphuric acid copper bearing electrolyte and initiating electro-deposition of copper thereon by making the vessel a cathode and while axially rotating said vessel electro-depositing on the cathodically treated surfaces a strike coating of copper with a plating current not exceeding 100 amperes per square foot of cathode surface; and then transferring said vessel to and immersing said bottom portions in a high copper content aqueous sulphuric acid electrolyte and while axially rotating said vessel electro-depositing on said strike coating a relatively thick layer of copper with a plating current of greater density than the first mentioned plating current.

2,363,974

MOUNTING FOR REFRIGERATING APPARATUS AND THE LIKE

Henry O. Kirkpatrick, Detroit, Mich., assignor, by mesne assignments, to Advance Manufacturing, Incorporated, Detroit, Mich., a corporation of Michigan

Application August 2, 1943, Serial No. 497,076
17 Claims. (Cl. 62—129)



1. Air conditioning apparatus for a closed cargo carrying vehicle comprising a self-contained portable unit adapted to be completely installed within a vehicle of the type mentioned and having a housing provided with a bottom wall adapted to rest upon a bottom wall of the vehicle, said housing having openings in its bottom wall, wheeled supports for the unit adapted to be projected through said openings into operative engagement with the bottom wall of the vehicle, and means adjustable relative to the housing for projecting said supports through said openings into operative engagement with the bottom wall of the vehicle.

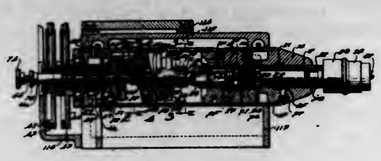
2,363,975

HONING DEVICE

John E. Kline, Grosse Pointe Farms, and Douglas T. Peden, Ann Arbor, Mich., assignors to Micromatic Hone Corporation, Detroit, Mich., a corporation of Michigan

Application May 22, 1939, Serial No. 274,890
12 Claims. (Cl. 51—184.3)

1. A device for operating an element in rotation and reciprocation embodying in combination, an outer sleeve, a hollow shaft in said sleeve for supporting and driving said element, a pulley for driving said shaft, a second sleeve over said shaft, a pulley driving said second sleeve, a



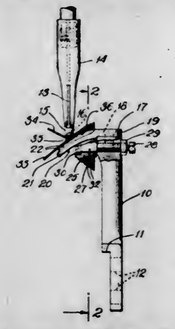
collar connected to said shaft, and a swash plate pivotally interconnecting said second sleeve and said collar.

2,363,976

SEWING MACHINE ATTACHMENT

Wallace E. Kline, Perryville, Mo., assignor to The Puritan Manufacturing Company, Boston, Mass., a company of Massachusetts

Application October 19, 1942, Serial No. 462,642
10 Claims. (Cl. 112—62)



1. The combination with a sewing machine of a workpiece supporting attachment, said attachment comprising a plate having a downwardly inclined surface arranged beneath the needle of the machine, said surface being formed by elongated tooth like projections extending in the direction of the feed of a workpiece beneath the needle of the machine, means exposed through said surface engaging a workpiece to aid in the operation of stitching the same, and said last named means comprising a freely rotatable element.

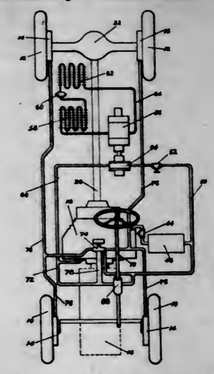
2,363,977

MOTOR VEHICLE

Andrew A. Kucher, Grosse Pointe Farms, Mich., assignor to Bendix Aviation Corporation, Detroit, Mich., a corporation of Delaware

Application June 14, 1943, Serial No. 490,801
10 Claims. (Cl. 180—53)

1. A vehicle having road wheels and driving means associated therewith including an engine and a hydraulic drive device of the Fottinger type containing an operating liquid through the medium of which the engine drives at least some of said wheels, said drive device having a zone near its periphery in which the power of the engine normally maintains said liquid under a considerable centrifugal pressure and another zone near its axis in which the liquid is at a very much lower pressure, a liquid power accumulator having therein liquid under yielding pressure is connected to said peripheral zone through connections including a one-way check device through which liquid is forced when the pressure in said peripheral zone is above the pressure in the accumulator, auxiliary mechanism operated by



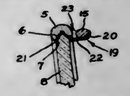
liquid under pressure fed thereto from said accumulator, and means for returning liquid to said axial zone after use in said auxiliary mechanism.

2,363,978

OPHTHALMIC MOUNTING

Ralph W. Lake, Yreka, Calif.

Application January 2, 1943, Serial No. 471,091
4 Claims. (Cl. 88—41)



1. An ophthalmic mounting comprising a pair of continuous lens rims of expandable material having internal bevelled grooves adapted to receive and support lenses having peripheral bevelled edges in combination with a bridge member for supporting said lens rims in spaced relation with each other, long and slender temple supports each secured to the mounting at a point adjacent the bridge member and shaped to follow substantially the upper contour shape of the lens rims and having outer temple supporting ends to which temples are pivotally attached and relatively narrow clip members of relatively flat material each having an end connected with one of said long and slender temple supports and each having a portion extending forwardly of said temple support and terminating in an end portion shaped to substantially conform to and to lie between the bevelled edge of the lens and the inner bevelled groove of the rim and in non-connected relation with the rim whereby the rim is free to be expanded when the lenses are secured in position of use.

2,363,979

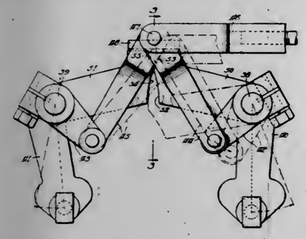
POWER TRANSMISSION MECHANISM

Harry A. Land, Chicago, and Alexander F. Bocksruker, Berwyn, Ill., assignors to International Harvester Company, a corporation of New Jersey

Original application August 1, 1942, Serial No. 453,176. Divided and this application October 28, 1943, Serial No. 507,934
5 Claims. (Cl. 74—477)

1. Control mechanism comprising a support including a pair of parallel pivot axes, a pair of arms rockable respectively on the pivot axes, a pair of links pivotally interconnected and pivotally connected respectively to the arms, stop

means for limiting rocking of one arm in one direction, stop means for limiting rocking movement of the other arm in one direction, and control means including a member pivotally con-



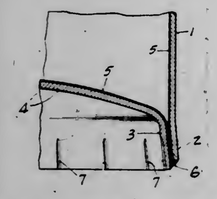
nected to the interconnected ends of the links and having movement in a plane transverse of the pivot axes of said rock arms for rocking one arm against its stop means and the other arm away from its stop means.

2,363,980

HEAD FOR GLASS-LINED TANKS

Francis W. Lauck, Milwaukee, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York

Application April 21, 1943, Serial No. 483,907
3 Claims. (Cl. 220—67)



1. In a tank of the class described, a cylindrical shell, a head having an outwardly extending skirt inserted in the end of said shell, and a weld joining the skirt to the end of the shell, said head skirt having a plurality of circumferentially spaced longitudinally extending grooves on its inner surface in the zone of said weld to relieve the welding contraction stresses and distribute the same.

2,363,981

METHOD OF IMPROVING THE ADHESION OF RUBBER TO FIBROUS MATERIALS AND PRODUCT THEREOF

Edward T. Lessig, Silver Lake, and Edward N. Cunningham, Cuyahoga Falls, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application July 3, 1941,
Serial No. 400,962
10 Claims. (Cl. 154—2)

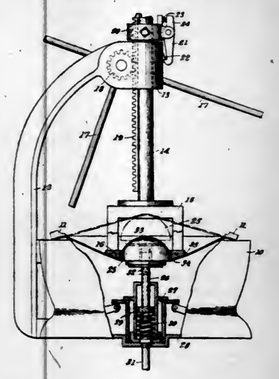
1. In a method of making a composite product comprising rubber and fibrous material in adhering relationship, the steps comprising coating the fibrous material with rubber containing a chemical rubber stiffener, associating the coated fibrous material with unvulcanized but vulcanizable rubber, and vulcanizing the rubber in the composite structure, whereby improved adhesion between the rubber and fibrous material is obtained.

2,363,982

HAT BLOCKING AND STRETCHING MACHINE

Louis Meltzer, New York, N. Y.

Application May 14, 1940, Serial No. 335,031
1 Claim. (Cl. 223—15)



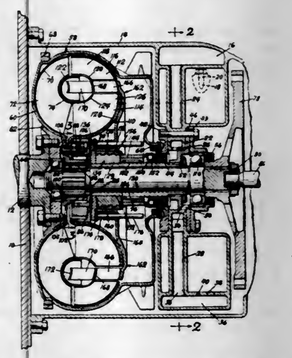
In a hat blocking machine, in combination, means for clamping the brim of a hat body and stretching the same, a brim ring movable into contact with the stretched hat body, a crown block, and resilient means supporting said crown block whereby the hat body is engaged between said ring and said block, said block being movable by said ring to a position out of line with said clamping means to cause a crease to be formed in said hat body at the outer peripheral edge of said block.

2,363,983

TURBOTRANSMISSION

Raymond J. Miller, Detroit, Mich., assignor to Hydraulic Brake Company, Detroit, Mich., a corporation of California

Application April 28, 1941, Serial No. 390,810
6 Claims. (Cl. 60—54)



1. A fluid transmission comprising an impeller, a turbine providing in conjunction therewith a fluid circuit, and a pump for delivery of fluid into the circuit including a rotor arranged coaxially with relation to the impeller and turbine and rotative in opposite direction from that of the impeller and turbine and a housing for the rotor carried by the turbine.

2,363,984

GASOLINE INSOLUBLE LUBRICANT

John D. Morgan, South Orange, and Russell E. Lowe, East Orange, N. J., assignors to Cities Service Oil Company, New York, N. Y., a corporation of Pennsylvania

No Drawing. Application April 17, 1943,
Serial No. 483,462
5 Claims. (Cl. 252—41)

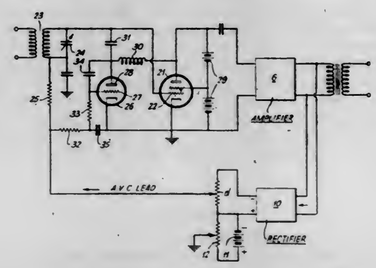
1. A lubricant which can be used in the lubrication of the moving parts of apparatus for handling light hydrocarbons and which is highly resistant to the solvent action of such hydrocarbons consisting essentially of a mixture of from 3 to 5 parts by weight of stearamide and 10 parts by weight of a glycol-monophthalate-momoamino stearate.

2,363,985

AUTOMATIC VOLUME CONTROL DEVICE

Wilhelm Moser, Berlin, Germany; vested in the Alien Property Custodian

Application May 15, 1941, Serial No. 393,526
In Germany February 24, 1940
4 Claims. (Cl. 179—171)



4. In combination with a source of alternating current voltage, a first tube having an input circuit coupled to said source, means for regulating the gain of said tube thereby causing an undesirable change in input capacity of said tube, means for compensating for said undesirable change comprising a second tube whose plate to cathode impedance is effectively in parallel with said input circuit, means for applying to a control element of the second tube alternating current voltage derived from said source but in substantial phase quadrature with the alternating voltage at the plate of the second tube thereby to cause said impedance to simulate capacitance, and means for varying the gain of the second tube in a sense such as to cause the simulated capacitance-magnitude to vary inversely to said undesirable capacity change, said last varying means being common to said gain regulating means, and the latter being responsive to intensity changes in said source voltage.

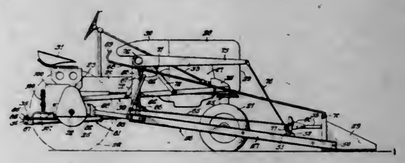
2,363,986

LOAD-MOVING MACHINE

Carl W. Mott, La Grange, Ill., assignor to International Harvester Company, a corporation of New Jersey

Application November 21, 1942, Serial No. 466,462
29 Claims. (Cl. 214—140)

1. A tractor-mounted load-moving machine: comprising a tractor having a longitudinal body carried on front and rear wheels and including a draw-bar at the rear of the body; supporting structure carried by the body intermediate its ends and including a transverse rock-shaft; a bell-crank secured to the rock-shaft and including a first longitudinally forwardly extending arm and a second downwardly extending arm; load-moving means including a load-carrying element at the front of the tractor and a longitudinally extending beam connected at its forward end to said element and at its rearward end connected to a rear portion of the tractor body



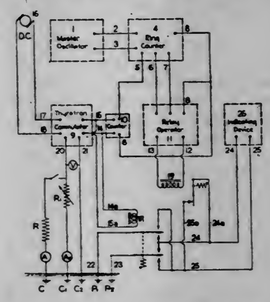
for vertical swinging movement to lift the load-carrying element from a loading position; power-actuated force-exerting means connected between the tractor draw-bar and the second arm of the bell-crank for rocking the rock-shaft; and beam-swinging means connecting the load-moving means and the first arm of the bell-crank for swinging the same to lift the load-carrying element upon the rocking of said rock-shaft.

2,363,987

APPARATUS FOR ELECTRICAL EXPLORATION

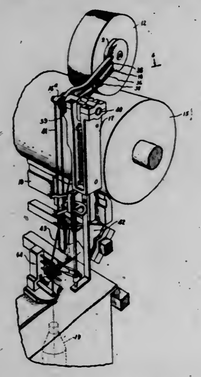
David Saville Muzzey, Jr., and Robert Du Wayne Miller, Houston, Tex., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application September 8, 1941, Serial No. 410,010
3 Claims. (Cl. 175—182)



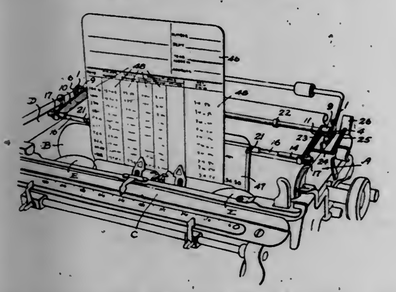
1. In a system of electrical exploration, a commutator circuit comprising arc discharge tubes, a source of direct current connected to said circuit, a source of controlled frequency voltage pulses connected to said circuit, grounded current electrodes connected to said circuit, means for discharging said tubes by applying thereto said voltage pulses, whereby the direction of the current flowing between the current electrodes is reversed, an indicating device, grounded potential electrodes connected to the terminals thereof, first relay means actuated by said voltage pulses for reversing the connections between the potential electrodes and the indicating device in synchronism with the reversals of the current flowing between the current electrodes, and second relay means actuated by said voltage pulses to short-circuit said indicating device during the current reversal periods.

2,363,988
WINDER
Burt A. Peterson, Rockford, Ill., assignor to Barber-Colman Company, Rockford, Ill., a corporation of Illinois
Application August 12, 1942, Serial No. 454,521
12 Claims. (Cl. 242—37)



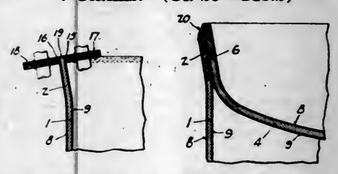
1. In a winder, the combination of a rotatable cheese core, a driving drum, a pivoted arm swingably supporting said core for movement from a winding position above the drum to an idle position substantially to one side of the drum, a brake device operatively associated with said core and including a shiftable brake element, throw-out means operable to swing said arm to carry said cheese from its winding position to said idle position, an actuating member for said brake element, and a stop coacting with said member in the swinging movement of said arm by said throw-out means to render said brake element effective to stop said core.

2,363,989
ATTACHMENT FOR TYPEWRITERS
Jesse A. Pittman, Nashville, Tenn.
Application July 12, 1943, Serial No. 494,379
10 Claims. (Cl. 197—126)



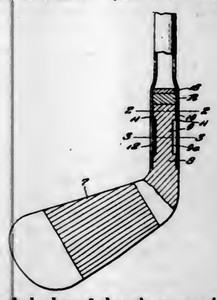
7. In a typewriter including a frame and a platen, means for supporting and inserting a folded check and inter-leaved sheet of carbon between said platen and a record sheet, said means including a hinge frame having a shiftable and removable front bar to which said carbon is supported and over which said folded check is suspended in straddled position, adjustable guide means for said folded check carried by said front bar, and means for locking said bar in adjusted position.

2,363,990
METHOD OF PREPARING AND WELDING METAL PARTS
Arthur W. Priebe, Milwaukee, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application August 22, 1941, Serial No. 407,868
7 Claims. (Cl. 29—148.2)



5. In welding a head to the shell of a hot water tank, the steps which comprise placing the edge portions of the head between the rolls of a knurling apparatus with a smooth roll contacting the inside thereof and a knurling roll the outside thereof, operating the rolls on the edge portions to loosen the galvanizing material therefrom in a certain defined area on the outside of said edge portions by the knurling roll and with the smooth roll passing over the galvanizing on the inner side without effecting removal thereof to provide a force to counteract the pressure of the knurling roll acting on the outside, subjecting the edges of the shell to be welded to a knurling operation to loosen the galvanizing material in a defined area thereof, brushing the loosened galvanized particles to remove the same, and welding the head to the shell at the exposed areas.

2,363,991
GOLF CLUB
Milton B. Reach, Springfield, Mass.
Application February 13, 1942, Serial No. 430,811
22 Claims. (Cl. 273—80)

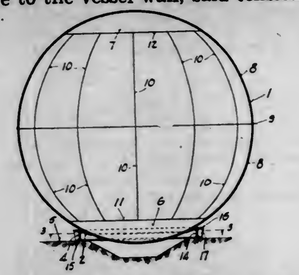


1. A golf club head having an internal hosel member with a relatively large base and head portion, with a keyway in the exterior lateral face of the head extending from the top through the bottom of said head, and a relatively small waist or stem portion connecting the said base and head portion.

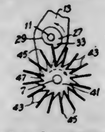
2,363,992
SUPPORT FOR SPHERICAL PRESSURE VESSELS
Leo Reiser, Milwaukee, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application May 9, 1942, Serial No. 442,391
9 Claims. (Cl. 248—194)

1. A support for a vessel of the class described, comprising a rigid compression ring encircling

the vessel horizontally, and a tension member secured at its outer edge to said ring and at its inner edge to the vessel wall, said tension member lying substantially tangential to the vessel wall and in contact therewith along a circular horizontal line substantially below the horizontal equator of the vessel.

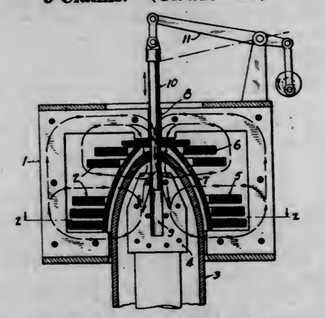


2,363,993
ESCAPEMENT
Marcus H. Rhodes, Hartford, Conn., assignor to M. H. Rhodes, Inc., Hartford, Conn., a corporation of Delaware
Application December 12, 1940, Serial No. 369,693
1 Claim. (Cl. 58—117)



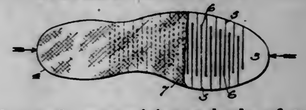
An escapement wheel comprising a hub portion, peripherally located teeth on said hub portion, each of which teeth is characterized as a plane of resilient material, each tooth being of triangular shape with an outside edge arranged substantially parallel to the axis of the wheel and an inner apex forming an attachment with said hub portion.

2,363,994
ELECTRIC INDUCTION FURNACE
Walther Richter, Whitefish Bay, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application November 30, 1942, Serial No. 467,310
5 Claims. (Cl. 219—13)



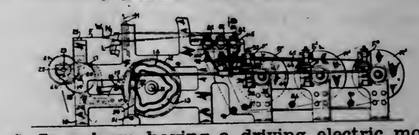
1. In an induction furnace having an external stationary core member and primary energizing coils therefor, a longitudinally movable central core member disposed to extend through an aperture in the article being heated and to carry flux between the relatively stationary core elements in all operative longitudinal positions of said member, and means to move said central core member longitudinally during the heating cycle of the furnace to prevent undue local heating of the member without substantially altering the reluctance of the flux path.

2,363,995
SHOE SOLE
Ernest E. Rollman and Robert Beauvais, New York, N. Y.; said Rollman assignor to American Research and Development Corp., Long Island City, N. Y., a corporation of Delaware
Application June 24, 1943, Serial No. 492,054
6 Claims. (Cl. 36—30)



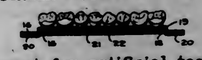
1. A shoe sole comprising a body of normally rigid material provided throughout its middle portion with a plurality of slots extending alternately from each side edge of the sole toward the opposite side edge, the slots being closed at their outer ends and open at their inner ends.

2,363,996
LETOFF MECHANISM FOR LOOMS
Walter Y. Robb, Whitinsville, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application April 12, 1943, Serial No. 482,683
9 Claims. (Cl. 139—352)



1. In a loom having a driving electric motor and a motor switch which when closed causes the motor to run and when open causes the motor to stop, a sheet of warp subject to change from normal to excessive tension, an auxiliary electric switch controlled by said sheet of warp normally closed when warp tension is normal and opened by excessive tension of the warp, and electric circuit means controlling the motor switch and controlled by said auxiliary switch and effective when the auxiliary switch is closed to maintain said motor switch closed and effective when said auxiliary switch is open to effect opening of said motor switch.

2,363,997
ARTIFICIAL TOOTH DISPLAY CARD
Herman Joseph Rothman, Springfield, Pa., assignor to Universal Dental Company, Philadelphia, Pa., a corporation of Pennsylvania
Application August 21, 1942, Serial No. 455,652
1 Claim. (Cl. 206—83)



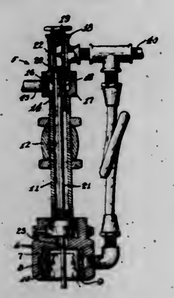
A display mount for artificial teeth comprising a supporting member of relatively stiff material and a strip of adhesive tape secured thereto with its adhesive coating exposed throughout a limited area, and cushioning means interposed between the supporting member and the tape to provide the latter with a yielding surface which is locally conformable to the contour of the tooth surface pressed into contact therewith.

2,363,998
TIRE CHAIN CONNECTOR
William R. Royer, Wilkes-Barre, Pa.
Application January 30, 1942, Serial No. 428,811
8 Claims. (Cl. 152—213)



8. A connector adapted to bring spaced parts as of the ends of a tire chain together and couple them, comprising in combination, two mating telescopic latch coupling members slidable longitudinally along each other to make a connection in drawn-up position, snap hooks connecting said members to opposite ends of a side chain respectively at the junction with a cross chain, one of said connecting means including elements threaded together to provide longitudinal adjustment, the inner threaded member being splined and the outer threaded member being provided with a locking detent fitting in said spline for locking the parts in adjusted positions, said members being provided with longitudinal guides opening on the sides at distant ends, and a flexible connection-making member adapted to pass through said guides and pull up the members into latching position.

2,363,999
METHOD OF FORMING HOLLOW GLASS ARTICLES
Otto H. Samuelson and Anthony T. Zappia, Indianapolis, Ind.
Application July 11, 1942, Serial No. 450,538
6 Claims. (Cl. 49—19)



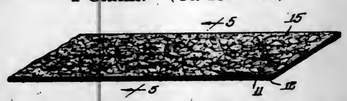
1. The method of producing hollow glass containers from hollow blanks which have been rendered plastic by heat, which consists in inserting a blank while plastic in a forming mold, closing said mold against the escape from the interior of said blank of any fluid under pressure which may be delivered thereto, delivering to the interior of said blank, through a suitable conduit having an inlet passage opening to the interior of the blank, blowing fluid under pressure while maintaining said mold sealed against the escape of said blowing fluid under pressure from the interior of said blank and then delivering to the interior of said blank through said inlet passage fluid under higher pressure than said blowing pressure and simultaneously opening to the atmosphere a passage from the interior of the blank independent of said inlet passage and of an area at least equal to the area of the inlet passage to permit an unrestricted flow of said fluid under higher pressure through the interior of said blank.

2,364,000
ELECTRIC MOTOR
Marion B. Sawyer, Los Angeles, Calif., assignor to Sawyer Electrical Mfg. Co., Los Angeles, Calif., a corporation of California
Application August 19, 1942, Serial No. 455,315
2 Claims. (Cl. 172—36)



1. In an electric motor of high horsepower rating per unit of weight, a rotor of small diameter and substantial length with the electrical parts thereof of cast silver and with its shaft hollow, means to introduce liquid "Freon" refrigerant into said hollow shaft to be thrown outwardly against the inner surface of the shaft by centrifugal action and thereby absorb heat rapidly inwardly from the rotor, the shaft having openings at the opposite ends of the rotor to provide an escape for gaseous refrigerant from the same into the motor chamber surrounding the rotor and stator to thereby cool the latter, and means allowing the gradual escape of the "Freon" gas from the motor chamber.

2,364,001
TRANSLUCENT FIBER TISSUE PRESSURE-SENSITIVE ADHESIVE TAPE
Gustave Schieman, Bronx, N. Y., assignor to International Plastic Corporation, Morristown, N. J., a corporation of Illinois
Application December 2, 1942, Serial No. 467,621
1 Claim. (Cl. 154—43)

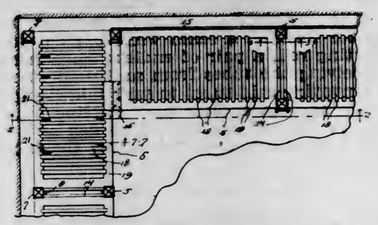


A flat tape structure comprising in combination a flexible base, a pressure-sensitive adhesive coating on one side of said base, and a thin, flat sheet of paper tissue directly applied to said adhesive coating for securing the base and tissue together as one composite structure with the adhesive coating penetrating through the tissue to provide a continuous tacky adhesive outer surface on one side of said composite structure whereby a strong, highly flexible composite tape is provided.

2,364,002
MAGNESIA-CONTAINING REFRACTORIES
Robert A. Schoenlaub, Tiffin, Ohio, assignor to Basic Refractories, Inc., Cleveland, Ohio, a corporation of Ohio
No Drawing. Application July 28, 1942, Serial No. 452,610
16 Claims. (Cl. 106—59)

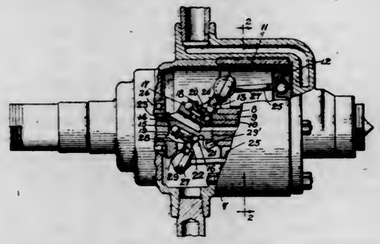
8. A refractory of magnesia clinker and a low melting silicate and material consisting of fluorspar in proportion to react with such low melting silicate and form a higher melting silicate.

2,364,003
ARTICLE SUPPORT
William E. Scruggs, Houston, Tex.
Application January 19, 1943, Serial No. 472,899
1 Claim. (Cl. 211—148)



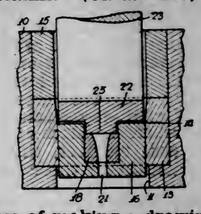
Supporting means comprising corner supporting posts, shelves arranged between said corner posts, vertically adjustable split flexible supporting sleeves made of sheet metal and disposed upon said posts and provided at their ends with tightening bolts, said supporting sleeves having outwardly offset portions forming sockets, and sheet metal angular corner brackets secured to the corners of the shelves and having depending lugs struck therefrom and removably received within said sockets of the supporting sleeves, said shelving comprising shelves extending at right angles to each other at a corner of the supporting means, and angle brackets each having a lower horizontal flange fastened to the underside of an end of one shelf at the inner corner thereof and provided with an upper horizontal flange resting upon the adjacent side of an adjoining shelf to sustain the shelves without the aid of an inner corner post.

2,364,004
FLUID OPERATED MECHANISM
Ernest H. Shaff, Spring Lake, Mich., assignor to Keller Tool Company, a corporation of Michigan
Application November 3, 1942, Serial No. 464,339
9 Claims. (Cl. 74—60)



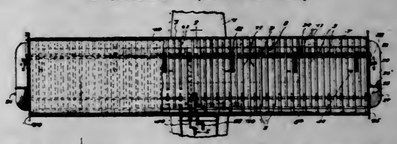
1. A fluid operated mechanism of the character set forth, comprising, in combination, a rotatably mounted shaft, a crank arm rigid with and disposed at an angle to the shaft, a thrust member comprising a central annulus forming a bearing journaled on the axis of said crank arm and a plurality of radial arms integral with said annulus and cooperating to form a circular rack, a stationary gear element mounted on the axis of rotation of said shaft and meshing with said rack to hold said member against rotation, and means for imparting a wobbling motion to said member and a rotary motion to said shaft comprising a series of actuators disposed about the axis of the shaft and operatively connected with certain of the arms of said spider.

2,364,005
METHOD OF FORMING DRAWING DIES AND APPARATUS THEREFOR
Morris Simons, Ridgefield, Conn.
Application October 19, 1943, Serial No. 506,840
5 Claims. (Cl. 76—107)



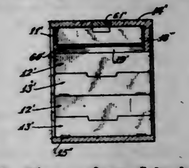
4. The process of making a drawing die, which includes applying pressure against one end of a tungsten carbide nib which has its opposite end seated on a shoulder in a tubular casing of high tensile strength, to thereby directly force the nib and cause the nib to force the casing through a tapered passage in a forming die, whereby the nib is held firmly seated on said shoulder while the peripheral wall of said casing is being forced inwardly into firm engagement with the periphery of the nib and while a portion of the wall of the casing above the nib is free to flow inwardly above the first mentioned end of the nib.

2,364,006
AIRPLANE WING
Egbert V. Smith, Kerrville, Tex.
Application February 26, 1942, Serial No. 432,495
4 Claims. (Cl. 244—44)



1. An airplane wing including a main frame, a resilient skeleton frame connected with the main frame and including a plurality of strips, a covering for the frames, a rod mounted on and extending transversely of the main frame in spaced relation to the trailing edge of the wing, a resilient strap extending over said rod and having one end thereof anchored to the main frame and its other end connected with the skeleton frame, and means on the main frame and shiftable for flexing said skeleton frame with respect to the main frame for changing the camber of the wing, said means including a cam shaft, and cams on the cam shaft and engageable with the strips.

2,364,007
COMBINATION GAME SET
Samuel John Stanton, Chicago, Ill.
Application November 23, 1942, Serial No. 466,691
10 Claims. (Cl. 312—146)



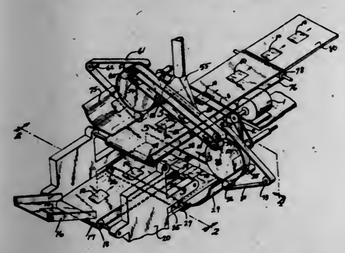
10. A combination poker chip holder comprising a case member and a plurality of poker chip

container members, disposed contiguously in layers and as stack members in a block embraced within the case member, each container member comprising two paired-up, face-to-face tray elements, means between and within the face limits of the tray elements, preventing their longitudinal and transverse relative movements, contacting container members having between them cooperating elements, preventing longitudinal and transverse relative movements of said container members, the case member having elements engaging only the upper tray elements whereby all of said tray elements are retained in the case member, the block of container members and the case member, thus engaged with each other, constituting the combination poker chip holder.

2,364,008
PROCESS OF MAKING A NUTRIENT MATERIAL
Elmer H. Stuart, Indianapolis, Ind., assignor to Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana
No Drawing. Application September 23, 1940, Serial No. 358,037
1 Claim. (Cl. 99—14)

The process of making a nutrient material suitable for oral, rectal, and parenteral administration, which consists in subjecting protein material to digestion with papain in the presence of sufficient hydrogen sulfide to produce a pH between 4 and 5, at a temperature between 37° and 70° C. for a period of several days and until test of a sample removed and heated to boiling and filtered and dried indicates that one gram of the dry material is neutralized by between 0.075 g. and 0.2 g. of sodium hydroxide, then heating to about 100° C. to coagulate proteins, and then removing insoluble material.

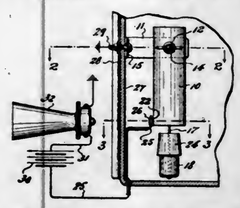
2,364,009
METHOD AND MEANS FOR MAKING BAGS
Charles Tessendorf, Neenah, and Frank J. Gruper, Jr., Menasha, Wis., assignors to Marathon Corporation, a corporation of Wisconsin
Application November 9, 1942, Serial No. 465,010
6 Claims. (Cl. 93—27)



1. The method of forming bags which comprises continuously conveying a successive series of tubes of sheet material coated with a heat-sealable composition, flexing said tubes in arcuate contour, successively heating and pressing a predetermined end portion of said tubes while travelling in said arcuate contour to form a seam, flattening the tubes into substantially flat condition, cooling the said seams while so flattened and then conveying the tubes in an arcuate contour while chilling and applying pressure thereto to set the said seams.

2. Apparatus for forming bags from tubes of heat-sealable sheet material which comprises a heated supporting roll and a spaced chilled supporting roll, guide means for aligning one end of said tubes with the heated supporting roll, an endless belt coacting with the periphery of said supporting roll to flex and apply pressure to said tubes for forming a seam while carried on said supporting roll, a pair of endless travelling belts for receiving the tubes from said supporting roll and conveying said tubes to said chilled supporting roll, and an endless belt coacting with the periphery of said chilled roll to flex and apply pressure to said seams and convey the tubes on said supporting roll.

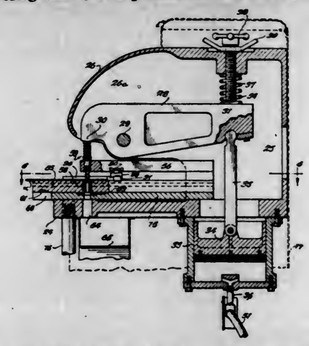
2,364,010
GRAVITY ACTUATED ALARM CIRCUIT CLOSER
Ethan Rogers Underwood, Elizabeth, N. J.
Application May 12, 1942, Serial No. 442,659
2 Claims. (Cl. 200—52)



1. A circuit closer for alarm and other circuits, comprising a substantially tubular perpendicular housing member open at its bottom end, a supporting bracket means, fastening means extending transversely through the upper end portion of said housing member and through said supporting bracket means whereby to affix said housing member to said bracket means, a dependent metallic contact element pivotally suspended from said fastening means for normal axial extension through said housing member, the free end portion of said suspended contact element projecting through and substantially beyond the open bottom end of said housing member, a weight affixed to the free extremity of said suspended contact element, a stationary contact element comprising a metallic strip bent to provide an annular portion affixed to said housing member within its open bottom end concentric to the normal axial disposition of said suspended contact element, and an electrically non-conductive stop means slidably mounted on the suspended contact element above its weight and normally spaced below and away from said stationary contact element, whereby, when manually slid upwardly thereon, to be interposed and frictionally bound between said suspended and stationary elements so as to releasably hold the former against swinging movement and contact with the latter.

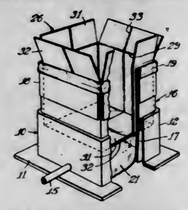
2,364,011
PUNCHING MACHINE
George F. Wales, Kenmore, N. Y.
Application February 25, 1943, Serial No. 477,070
38 Claims. (Cl. 164—96)

1. A punching machine having a bed and a ram, a holder supported on said bed and having a base and an arm spaced to receive work between them, and perforating units removably mounted on said arm and said base of said holder, and guide means relatively to which said holder is movable relatively to said bed out of operative relation to said ram, to enable said holder to be moved into an operative position in which said perforating units are positioned to be operated on



by said bed and ram, and into an inoperative position in which said perforating units may be removed from said holder while said holder is supported on said bed.

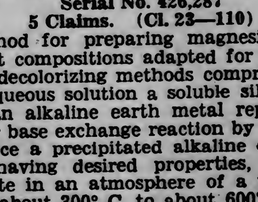
2,364,012
CONTAINER
Richard R. Walton, Wellesley, John J. Austin, Milton, and Gordon E. Gott, Arlington Heights, Mass., assignors of one-half to Container Corporation of America, Chicago, Ill., a corporation of Delaware, and one-half to Dewey and Almy Chemical Company, Cambridge, Mass., a corporation of Massachusetts
Application May 17, 1941, Serial No. 394,006
5 Claims. (Cl. 229—14)



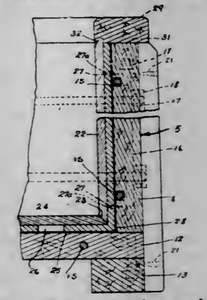
1. A container comprising a shipping carton having top and bottom closing flaps, an open-mouthed sack of impervious sheet material placed against the set up walls of the carton and a lining placed within and coextensive with all portions of the sack disposed against the set up walls, said sack having a twisted neck portion forming an air-tight seal and having its extreme mouth portion drawn over a flap of the carton, whereby the twisted neck of the sack is held against unwinding.

2,364,013
ENGINED COMPRESSOR-GENERATOR UNIT
Charles Raymond Waseige, Saint-Etienne, Loire, France; vested in the Alien Property Custodian
Application July 14, 1942, Serial No. 450,936
In France July 7, 1941
3 Claims. (Cl. 290—1)

1. An engined generator-compressor unit for use on board aerodynes including in combination a high speed internal combustion engine, an electric generator drivable from the latter, an air reciprocating compressor and a speed reducing gear through which said compressor is drivable from said engine, said compressor and engine including a common crankcase provided with an overhanging portion forming the compressor crankcase proper and an ignition magneto secured on said crankcase underneath said overhanging portion, the electric generator being secured on said crankcase.



2,364,014
GLASS-LINED CONTAINER
George L. West, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application June 9, 1943, Serial No. 490,131
8 Claims. (Cl. 206—2)

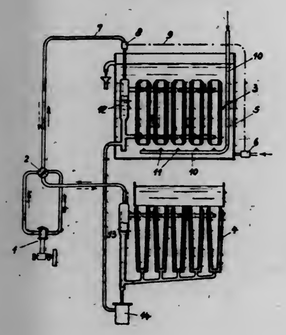


1. A container for corrosive substances comprising an outer case of wood and two inner linings of glass, one lining being in contact with the inner surface of the wood and the other lining being substantially spaced, the space between the two linings being filled with an asphaltic composition, which when molten and in contact with wood normally tends to produce foam.

2,364,015
SILICATE COMPOSITIONS
Charles C. Winding, Ithaca, N. Y., assignor to Tide Water Associated Oil Company, Bayonne, N. J., a corporation of Delaware
No Drawing. Application January 10, 1942, Serial No. 426,287
5 Claims. (Cl. 23—110)

2. Method for preparing magnesium silicate adsorbent compositions adapted for use in percolation decolorizing methods comprising reacting in aqueous solution a soluble silicate and a salt of an alkaline earth metal replaceable in cation or base exchange reaction by magnesium, to produce a precipitated alkaline earth metal silicate having desired properties, drying the precipitate in an atmosphere of a temperature of from about 300° C. to about 600° C. to produce a hard mass which can be reduced to discrete solid particles, reducing said mass to desired particle size and treating the resulting particles with an aqueous solution containing magnesium ions to exchange alkaline earth metal ions of said alkaline earth metal silicate with magnesium ions.

2,364,016
ICE PLANT OPERATING WITH COMPRESSION AND EVAPORATION
Reinhard Wussow, Berlin-Charlottenburg, and Fritz Wilhelm Fechner, Hamburg, Germany; vested in the Alien Property Custodian
Application November 27, 1940, Serial No. 367,328
In Germany November 28, 1938
8 Claims. (Cl. 62—105)



1. In a plant for making ice by compressing and evaporating a refrigerant, a condenser comprising, a receptacle for a cooling liquid, double walled condenser tubes in said receptacle defining channels for the flow of the cooling liquid, means for producing streams of cooling liquid through said channels, means for supplying a refrigerant to, and discharging it from, said condenser tubes, means for supplying cooling liquid to and discharging it from, said receptacle and for maintaining the surface of the cooling liquid above said cooling tubes, said last named means comprising a supply pipe with built-in regulating valve opening into the receptacle below the condenser tubes, an overflow in the receptacle above the condenser tubes and means for controlling said regulating valve in accordance with the temperature of the cooling water at the overflow.

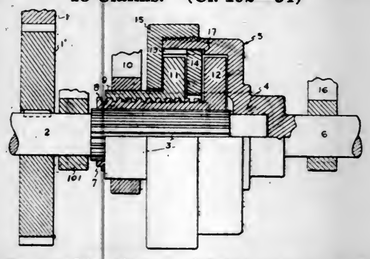
2,364,017
PRODUCTION OF BLUE-BLACK TONED SILVER IMAGES
Walter D. Baldsiefen Metuchen, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 6, 1943, Serial No. 478,281
14 Claims. (Cl. 95—6)

1. The process which comprises developing a photographic element containing a reducible silver salt image in the presence of a methylol nitromethane.

2,364,018
THERAPEUTICALLY ACTIVE FERRIHEMOCHROMOGENS AND PROCESS OF PREPARING THEM
Robert D. Barnard, Columbus, Ohio, assignor to Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana
No Drawing. Application March 5, 1943, Serial No. 478,146
5 Claims. (Cl. 260—211)

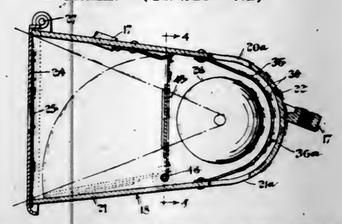
1. A compound of ferriheme with a vitamin B component.

2,364,019
TWO-WAY OVERRUNNING CLUTCH
Frank H. Beall, Detroit, Mich.
Application October 14, 1943, Serial No. 506,229
18 Claims. (Cl. 192—54)



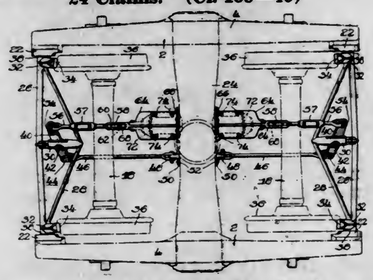
1. In combination, a driving means, a driven member, a self-energizing coupling between said driving means and driven member adapted to permit said driven member to overrun said driving means in either direction of rotation of said driving means, said coupling comprising a driving member driven by said driving means, a screw threaded portion constrained to rotate with said driving member, a nut on said portion, a clutch face rotatable with said driving member, a clutch plate constrained to rotate with said driven member positioned between said nut and said clutch face, means for advancing said nut towards said clutch plate, on rotation of said driving means in a given direction whereby the rotation of said nut towards said clutch plate drivingly clamps said clutch plate between said nut and said clutch face to drive said driven member, and a clutch member carried by said driven member and positioned for engagement by said nut on movement away from said plate during rotation of said driving means in the opposite direction.

2,364,020
CAB LAMP
Frederick W. Blanchard, Hampstead, Quebec, Canada, assignor to T. McAvity & Sons Limited, Montreal, Quebec, Canada
Application December 14, 1942, Serial No. 468,991
1 Claim. (Cl. 240—7.1)



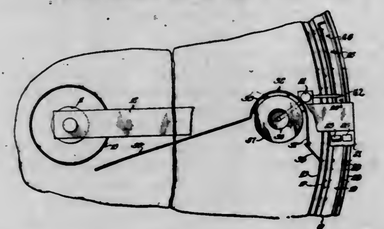
A lamp casing provided with a front wall having openings therein, a source of light mounted in the rear portion of said casing at some distance from the front wall thereof, a rotatable shaft extending across the bottom wall of the casing immediately in front of said source of light and provided with an operating handle located exteriorly of said casing, a centrally apertured metal plate having its lower edge secured to said shaft so that said plate may be swung by appropriate rotation of said shaft to an upright position in front of said source of light or to a horizontal position extending forwardly from said shaft, said plate being provided with a central light transmitting aperture and being dimensioned so that the marginal edges thereof project laterally beyond the source of light into close proximity with the opposing walls of the casing when said plate is in its upright position and a spring catch secured to the top wall of said casing and adapted for engagement with the upper edge of said plate to hold the latter in its upright position.

2,364,021
RAILWAY BRAKE
Norman Flesch, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application May 25, 1942, Serial No. 444,389
24 Claims. (Cl. 188—49)



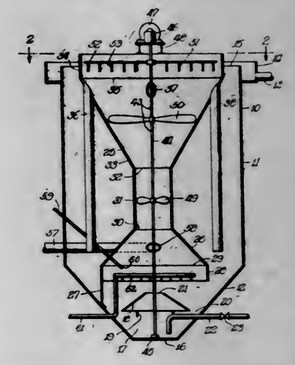
1. In a brake arrangement, a truck comprising spaced side frames and an intervening bolster, supporting wheel and axle assemblies, aligned brackets secured to opposite sides of said bolster, a cylinder secured to each bracket, brake beams supported from said frame, friction means on each beam for engagement with the wheels of the associated assembly, and actuating means for each beam, said last-mentioned means comprising a lever fulcrumed intermediate its ends in said beam, a lever fulcrumed intermediate its ends from the associated bracket, a pull rod connecting the upper ends of said levers, a pull rod connecting the lower end of said first-mentioned lever to said bolster, and a connection between each cylinder and the lower end of the associated bracket-fulcrumed lever.

2,364,022
SCUM SKIMMER
Herbert W. Gillard, Oak Park, Ill., assignor to Infilco Incorporated, Chicago, Ill., a corporation of Delaware
Application October 24, 1941, Serial No. 416,321
15 Claims. (Cl. 210—55)



1. A device for removing floatable material from the surface of a liquid comprising a skimming blade penetrating the surface of the liquid and movable across the surface thereof, means forming a horizontally extending accumulation bay adjacent one end of said blades, a funnel within the accumulation bay provided with a substantially horizontal peripheral flange, the upper rim of said funnel and said flange being located immediately below the surface of the liquid, said funnel and said flange together having a horizontal area corresponding to the area of the accumulation bay, means for moving the blade across the surface of the liquid, and means for withdrawing material from the lower part of said funnel.

2,364,023
SEWAGE CLARIFIER
Walter H. Green, Chicago, Ill., assignor to Infilco Incorporated, a corporation of Delaware
Application July 24, 1941, Serial No. 403,861
7 Claims. (Cl. 210—2)



1. Sewage clarification apparatus comprising a tank, a vertically extending annular partition structure within said tank, said partition structure being spaced above the floor of said tank and enclosing a central mixing chamber, said mixing chamber and the outer annular space in said tank between the wall thereof and said partition being in open communication below said partition structure, conduit means leading from an upper part of the mixing chamber into an intermediate part of the outer annular space, energy delivery means in said mixing chamber, said means being so positioned that the energy delivered thereby will cause vertical motion of liquid in said chamber, a source of energy outside said chamber, means operatively connecting said source of energy to said energy delivery means, inlet means for inflow of raw sewage discharging into said mixing chamber, an outlet for clarified sewage from the upper part of said outer annular space, a second partition structure below the mixing chamber and so positioned relative to a wall of said tank as to form therewith a sheltered subsidence zone below said mixing chamber, said subsidence zone having an inlet and outlet communicating with said mixing chamber, and a waste discharge from said subsidence zone.

2,364,024
DECORATIVE ARTICLE
Ralph F. Hayes, North Wilbraham, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application May 16, 1940, Serial No. 335,505
18 Claims. (Cl. 260—17)

1. A decorative article characterized by an opalescent appearance consisting essentially in polystyrene and a cellulose ether relatively im-

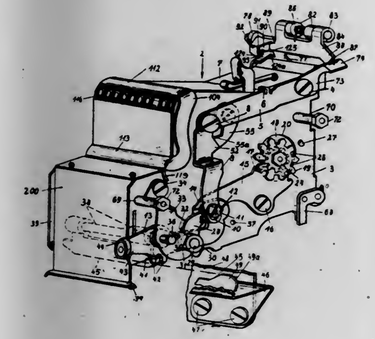
miscible therewith, physically intermixed with said polystyrene while in a heat softened condition to impart to the article a nacreous and pearlescent appearance.

2,364,025

COMPLEMENTARY TOTALIZER

Hugo Ernst Kämmel, Zella-Mehlis, Germany; vested in the Alien Property Custodian

Application February 28, 1939, Serial No. 259,030
In Germany March 4, 1938
26 Claims. (Cl. 235—59)



1. In a typewriting-accounting machine, the combination with a carriage shiftable in letter-spacing direction and return; a totalizer mounted to travel with the carriage, and including a series of denominational wheels; and a master actuator engageable with the wheels successively to turn the wheels differentially in either direction; of an operating mechanism to turn the wheel of lowest denomination one step; relatively independently operable control devices, one of which is effective upon said operating mechanism to cause it to turn the wheel of lowest denomination during carriage movement after the disconnection of the totalizer wheel of lowest order and the master actuator, the other of said control devices being effective upon said operating mechanism to turn the wheel of lowest denomination prior to the engagement of the wheel of highest denomination with the master actuator; and control selecting means settable under control of the wheel of highest denomination, to one or another of its positions according to whether the amount registered on the totalizer is positive or negative, to select which of the control devices shall be effective.

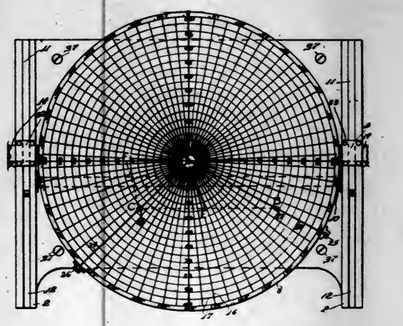
2,364,026

BALANCE CALCULATOR

Jacob Lundgren, Philadelphia, Pa., assignor to Tinius Olsen Testing Machine Company, Philadelphia, Pa., a corporation of Pennsylvania

Application February 4, 1943, Serial No. 474,755
5 Claims. (Cl. 235—61)

1. A calculator for determining unbalance in relatively rotatable parts, comprising a base, a disc rotatable on said base and having a chart graduated in radial lines for angles of unbalance and in concentric lines for amounts of unbalance, two angle position indicators movable into registry with the radial lines, amount indicators slid-



able on said position indicators, and a scale longitudinally and laterally movable over the chart.

2,364,027

STABILIZED VINYL AROMATIC RESINOUS COMPOSITIONS

Alfred L. Marshall, Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application April 30, 1942, Serial No. 441,131
14 Claims. (Cl. 260—91)

1. A resinous composition comprising a vinyl aromatic resin which normally becomes discolored upon aging and a stabilizing agent therefor comprising a compound selected from the group consisting of aromatic hydrocarbon compounds having less than 3 fused benzene nuclei and having on the aromatic nucleus of the compound a hydroxyl group and a carbonyl group in positions adjacent to one another, the carbonyl group having attached thereto a member selected from the group consisting of hydrogen and alkyl groups having less than 4 carbon atoms; the nuclear substituted derivatives of such aromatic compounds substituted with members selected from the group consisting of hydroxyl, halogen and alkyl groups having less than 4 carbon atoms.

2,364,028

CONVERTING WATER SOLUBLE CELLULOSE ETHERS TO SHEET FORM

Floyd C. Peterson, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application July 24, 1940, Serial No. 347,246
2 Claims. (Cl. 92—39)

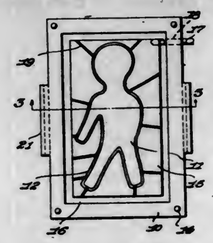
1. In a process for preparing methyl cellulose in a compact form directly and readily soluble in sheet form in cold water, the steps including suspending methyl cellulose in water to form a slurry of concentration between 0.5 and 5 per cent at a temperature above about 70° C., beating the slurry to form methyl cellulose fibers, spreading the slurry over a foraminous support to form a continuous fibrous sheet, drying the sheet, and maintaining throughout the recited steps a temperature above about 70° C. at least until the residual moisture content of the fibrous sheet is below 50 per cent.

2,364,029

METHOD AND APPARATUS FOR MANUFACTURE OF HOLLOW RUBBER ARTICLES

Jean E. L. Ryan, Larchmont, N. Y.

Application October 23, 1941, Serial No. 416,252
18 Claims. (Cl. 18—35)



3. A combined forming and curing mold for molding hollow rubber articles, comprising a mold member having a cavity surrounded by a cutting and seaming edge at its rim, and a plurality of narrow shallow open-trough venting grooves extending outwardly from the cavity across the cutting edge, and a complementary mold member similar to said first mentioned mold member having its cutting edge arranged to register with the cutting edge of the first mentioned mold member and its venting grooves staggered with relation to those of the first mentioned mold member, all of the opposing surfaces of said mold members from their cutting edges outwardly toward their perimeter being spaced apart to permit removal of trimmings or excess material after cutting and seaming.

14. The method of making hollow articles of plastic material which comprises pneumatically seating a piece of sheet plastic material in the cavity and across the rim of the cavity of a portion of a forming mold to form a portion of a hollow article, presenting to the forming mold portion a curing mold portion having a rimmed cavity of the shape of the portion of the finished article corresponding to the article portion formed in the forming mold with the formed article portion positioned between the two mold portions, pneumatically transferring the article portion from the forming mold portion to the curing mold portion by admitting air to the cavity of the forming mold and venting air from the cavity of the curing mold over the rim edges of the respective mold cavities, closing said curing mold part upon a complementary curing mold part to which another article part has been transferred to bring the two article parts together, and curing the article in the curing mold.

2,364,030

MINERAL OIL COMPOSITION

George H. S. Snyder and Everett W. Fuller, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York

No Drawing. Application January 28, 1942, Serial No. 428,551
8 Claims. (Cl. 252—59)

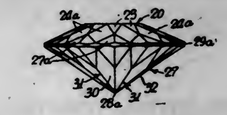
1. An improved mineral oil composition comprising a viscous mineral oil fraction and in admixture therewith a minor proportion, sufficient to inhibit the deleterious effects of oxidation upon the oil, of a polymer having a molecular weight of from about 330 to about 450, said polymer selected from the group consisting of courmarone, indene, and mixtures of coumarone and indene.

2,364,031

BRILLIANT TYPE DIAMOND AND METHOD OF CUTTING THE SAME

Max Suderov, New York, N. Y., assignor to Patented Diamond, Inc., New York, N. Y., a corporation of New York

Continuation of application Serial No. 527,737, March 23, 1944. This application July 21, 1944, Serial No. 545,968
14 Claims. (Cl. 63—32)



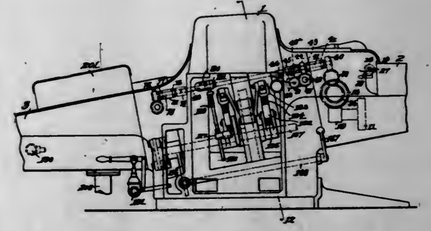
13. A brilliant-cut type diamond including a table, a culet disposed to either side of a girdle defining a bezel portion and a pavilion portion, at least one of said portions having basic facets founded upon the dodecagon blocking system.

2,364,032

PLATE FINISHING AND COOLING MACHINE

Henry A. Wise Wood, New York, N. Y., and Paul L. Tollison, North Plainfield, Charles L. Ricards, South Plainfield, and John A. Isbell, Plainfield, N. J.; Elizabeth Ogden Wood, executrix of Henry A. Wise Wood, deceased, assignors to Wood Newspaper Machinery Corporation, Plainfield, N. J., a corporation of Virginia

Application January 17, 1939, Serial No. 251,322
5 Claims. (Cl. 29—21)



1. The combination in a plate finishing machine, arranged on an incline so that gravity will act to carry a printing plate from station to station, one station being arranged for finishing the concave surface of the plate, a shaving arch above said station, of means for lifting a printing plate and clamping it in said shaving arch, rollers carried by the lifting means for supporting the plate as it enters or leaves the station below the shaving arch, and means for moving the rollers out of contact with the plate as it is lifted and moving the rollers back into contact with the plate as it is lowered.

2,364,033

SUBSTITUTED PROPYLAMINOAROMATIC SULPHONIC ACIDS

David W. Woodward, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application March 31, 1942, Serial No. 437,085
1 Claim. (Cl. 260—509)

1-(3'-chloro-2'-hydroxy propyl)-amino-5-hydroxy naphthalene-7-sulphonic acid.

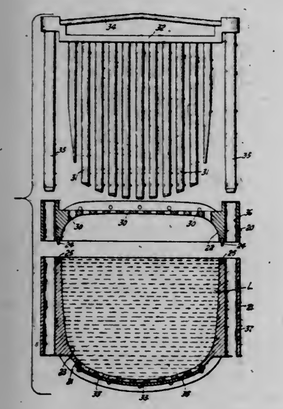
2,364,034
RUBBERLIKE INTERPOLYMERS AND PREPARATION OF SAME
Oskar Huppert, Newark, N. J.
No Drawing. Application January 21, 1943, Serial No. 473,141
6 Claims. (Cl. 260—7)

1. The process of manufacturing rubber-like thermoplastic products of high molecular weight which comprises reacting a protein, monochloracetic acid and ammonium-sulfocyanide and a phenol at 100° C., adding then an aldehyde and heating the mixture at 100° C.

2,364,035
MODIFIED SOYBEAN PROTEIN FIBER
Oskar Huppert, Newark, N. J.
No Drawing. Application February 27, 1943, Serial No. 477,470
1 Claim. (Cl. 260—7)

A modified soybean protein fiber, improved in strength, flexibility and water resistance, consisting of soybean protein and a copolymer consisting of pseudothiohydantoin-zein, cresylic acid and formaldehyde.

2,364,036
METHOD AND APPARATUS FOR MAKING SPONGE RUBBER CUSHIONS OR LIKE ARTICLES
John A. MacKay, Barberton, and Charles H. Nagel, Akron, Ohio, assignors to The Sun Rubber Company, Barberton, Ohio, a corporation of Ohio
Application August 14, 1941, Serial No. 406,812
7 Claims. (Cl. 18—39)



7. A method for making articles of the class described comprising filling the cavity of one section of a sectional mold having registering cavities with a predetermined amount of molding material sufficient completely to form an article desired, the cavity of said one section having a volume sufficient to hold substantially said predetermined amount of material, associating another mold section of said sectional mold with said one mold section to bring the cavities thereof into registry, said other mold section having associated therewith a core member or members having displacement volume substantially equal to the volume of said cavity of said other section.

2,364,037
GAS TURBINE ARRANGEMENT
Chester W. Smith, Lynn, Mass., assignor to General Electric Company, a corporation of New New York
Application June 28, 1939, Serial No. 281,562
21 Claims. (Cl. 60—41)



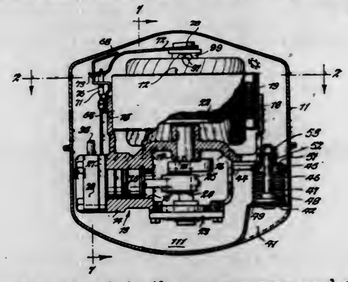
12. Gas turbine arrangement for aircraft comprising a turbine wheel having a rim and an axis of rotation substantially perpendicular to the direction of the slip stream, a nozzle box for supplying gases to one side of the wheel, a device adjacent the other side of the wheel and supported on the nozzle box to protect the wheel from the heat of the gases issuing therefrom and to supply a stream of cooling air towards a trailing rim portion only of the wheel, the device comprising a disk covering a central portion of the wheel and a conduit secured to the disk and having an inlet opening for receiving cooling air and a discharge opening in proximity to a trailing rim portion, and a shield supported on the nozzle box and defining a smooth discharge channel for the gases issuing from the wheel with an opening to the atmosphere remote from the wheel in direction of the slip stream to prevent afterburning.

17. A device for cooling gas turbines comprising a cap, a cooling conduit extending across a diameter of the cap and having an inlet for receiving cooling air and a discharge opening near the circumference of the cap, and a support comprising a hollow bracket communicating with the conduit to receive cooling air therefrom.

2,364,038
HERMETIC REFRIGERATION COMPRESSOR
Jens Touborg, Tecumseh, Mich.
Application December 6, 1941, Serial No. 421,986
7 Claims. (Cl. 230—29)

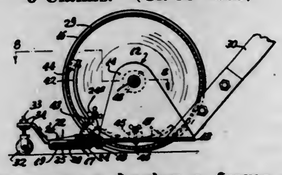
1. In a refrigeration compressor comprising a casting member having a cylinder bore and a piston, a motor mounted above the cylinder and operatively connected to the piston, a bracket mounted on the casting and extending upwardly thereof, a lever pivotally connected to the bracket at one end and overhanging the motor at its opposite end, whereby, due to the moment of the lever, it tends to drop on its pivot, centrifugal control means connected to the rotor of the motor, said control means, when the motor is below predetermined speed, contacting and elevating said lever, said means, when the rotor is above predetermined speed, being spacially released from the lever, a relief valve connected to

the lever adjacent the pivot, a relief passageway communicating with the bore of the cylinder, said



valve extending into the passageway and seating therein to close the same when the lever is released.

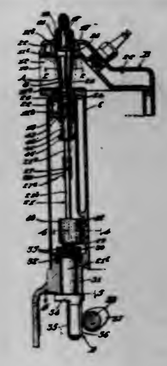
2,364,039
LAWN MOWER
Mike Varga, New York, N. Y.
Application May 10, 1943, Serial No. 486,323
3 Claims. (Cl. 56—263)



1. A lawn mower having a frame rotatively supporting a pair of wheels formed with wavy-like cam surfaces and a reciprocating blade in position on a fixed blade, arcuate levers positioned adjacent said wheels, means slidably pivotally attaching the ends of said reciprocating blade to intermediate areas of said levers so that said levers may be moved longitudinally relative to the ends of said reciprocating blade, rollers mounted on one of the ends of said levers and engaging said cam surfaces for reciprocating said reciprocating blade as said wheels turn, and means adjustably pivotally attaching the other ends of said levers upon said frame so that the operative length of said levers may be varied to control the length of the stroke of reciprocation of the reciprocating lever.

2,364,040
INTERNAL COMBUSTION ENGINE VALVE
John H. Grube, Pasadena, Calif.
Application June 8, 1942, Serial No. 446,283
5 Claims. (Cl. 123—81)

3. In an internal combustion engine valve structure, a cylinder head having a duct for communication with a cylinder and provided with an opening through an outer surface thereof, a conical valve seat extending through said duct from said opening and having elongated ports opening into said duct, a conical valve adapted to be inserted through said opening to engage said seat and having a port extending transversely therethrough for registration with the ports in said seat, plug means closing said opening and retaining said valve on its seat, including spring means yieldingly urging said valve against its seat, a sectional shaft for operating said valve, a joint between the smaller end of the valve and



a section of the shaft, affording relative movement of the valve and said shaft while maintaining a driving connection between the valve and the shaft, a second joint between sections of the shaft arranged to provide a cam action and slightly lift the valve from its seat incident to the shaft being given an operating impulse, cam means for oscillating said shaft including a crank arm on a section of the shaft, a crank pin depending from said arm, a thrust plate fixed on said pin, and a cam working against said thrust plate.

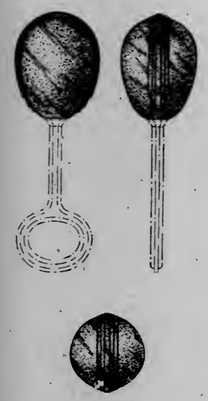
2,364,041
PROCESS OF PREPARING MUSK MATERIALS AND PRODUCT THEREOF
Philip Greeley Stevens, New Haven, Conn., and Julius L. E. Erickson, Baton Rouge, La., assignors to Burton T. Bush, Inc., New York, N. Y., a corporation of New Jersey
No Drawing. Application January 5, 1942, Serial No. 425,696
6 Claims. (Cl. 260—586)

1. The process of preparing a cyclic ketone material having odoriferous properties, which comprises extracting the musk glands of the muskrat with an organic solvent, saponifying the extracted material, selectively dissolving the product in mixed aqueous and water-immiscible organic solvents and separating the solvent layers, and effecting dehydrogenation of high cyclic alcohols contained in the organic solvent layer.

DESIGNS

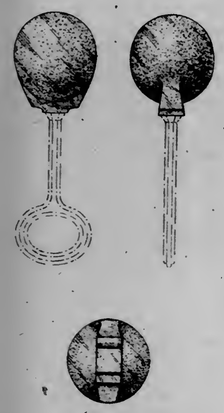
NOVEMBER 28, 1944

139,510
DESIGN FOR A RATTLE
Paul E. Allen, Skokie, Ill.
Application September 4, 1944, Serial No. 115,191
Term of patent 14 years
(Cl. D34—15)



The ornamental design for a rattle, substantially as shown.

139,511
DESIGN FOR A RATTLE
Paul E. Allen, Sokie, Ill.
Application September 4, 1944, Serial No. 115,193
Term of patent 14 years
(Cl. D34—15)



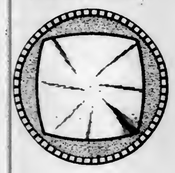
The ornamental design for a rattle, substantially as shown.

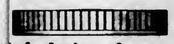
139,512
DESIGN FOR A RATTLE
Paul E. Allen, Skokie, Ill.
Application September 4, 1944, Serial No. 115,195
Term of patent 14 years
(Cl. D34—15)



The ornamental design for a rattle, substantially as shown.

139,513
DESIGN FOR A COMPACT
Philip A. Derham, Rosemont, Pa., assignor to Victor Metal Products Corporation, Brooklyn, N. Y., a corporation of New York
Application September 8, 1944, Serial No. 115,227
Term of patent 14 years
(Cl. D86—10)





The ornamental design for a compact, substantially as shown.

139,514
DESIGN FOR A BUTTON OR SIMILAR ARTICLE
William Drell, New York, N. Y.
Application October 19, 1944, Serial No. 115,854
Term of patent 3½ years
(Cl. D17—2)



The ornamental design for a button or similar article, substantially as shown.

139,515
DESIGN FOR A BUTTON OR SIMILAR ARTICLE
William Drell, New York, N. Y.
Application October 19, 1944, Serial No. 115,855
Term of patent 3½ years
(Cl. D17—2)



The ornamental design for a button or similar article, substantially as shown.

139,516
DESIGN FOR A BUTTON OR SIMILAR ARTICLE
William Drell, New York, N. Y.
Application October 19, 1944, Serial No. 115,856
Term of patent 3½ years
(Cl. D17—2)



The ornamental design for a button or similar article, substantially as shown.

139,517
DESIGN FOR A BUTTON OR SIMILAR ARTICLE
William Drell, New York, N. Y.
Application October 19, 1944, Serial No. 115,857
Term of patent 3½ years
(Cl. D17—2)



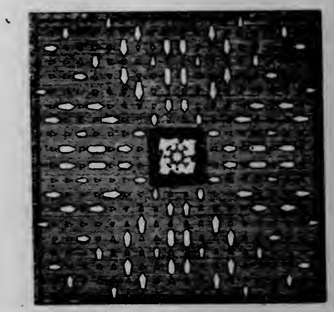
The ornamental design for a button or similar article, substantially as shown.

139,518
DESIGN FOR A BUTTON OR SIMILAR ARTICLE
William Drell, New York, N. Y.
Application October 19, 1944, Serial No. 115,858
Term of patent 3½ years
(Cl. D17—2)



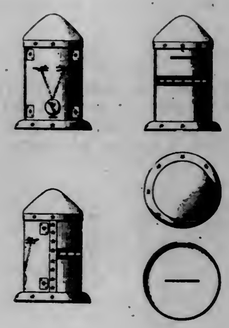
The ornamental design for a button or similar article, substantially as shown.

139,519
DESIGN FOR A GAME BOARD
Irma S. Ellicott and Eugene W. Silber, West Orange, N. J.
Application August 30, 1944, Serial No. 115,137
Term of patent 7 years
(Cl. D34—5)



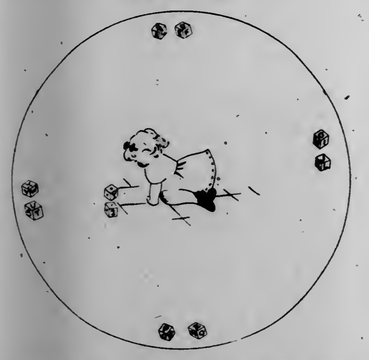
The ornamental design for a game board, as shown.

139,520
DESIGN FOR A SAVINGS BANK
Alexander S. Ewald, South Bend, Ind.
Application May 12, 1944, Serial No. 113,570
Term of patent 7 years
(Cl. D34—11)



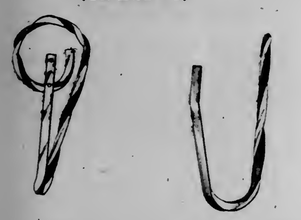
The ornamental design for a savings bank, as shown.

139,521
DESIGN FOR AN ORNAMENTATION TRANSFER SHEET FOR CHINAWARE OR THE LIKE
Therese Rita Gluck, Flushing, N. Y.
Application June 15, 1944, Serial No. 114,019
Term of patent 3½ years
(Cl. D59—2)



The ornamental design for an ornamentation transfer sheet for chinaware or the like, as shown.

139,522
DESIGN FOR A DRAPE PULLBACK
Paul L. Hartnett, Leominster, Mass.
Application July 28, 1944, Serial No. 114,598
Term of patent 7 years
(Cl. D21—1)



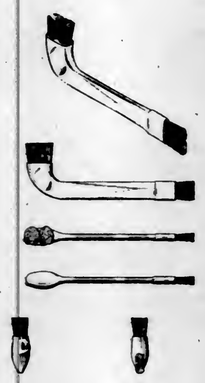
The ornamental design for a drape pullback, as shown.

139,523
DESIGN FOR A SADDLE RIGGING
Oscar Larson, Vallejo, Calif.
Application July 29, 1944, Serial No. 114,623
Term of patent 14 years
(Cl. D38—7)



The ornamental design for a saddle rigging, as shown.

139,524
DESIGN FOR A DENTURE BRUSH
Louis J. Laskin, Los Angeles, Calif.
Application August 24, 1944, Serial No. 115,007
Term of patent 14 years
(Cl. D9—2)



The ornamental design for a denture brush, substantially as shown.

139,525
DESIGN FOR A HANDBAG FRAME
Rudolph Lobel, New York, N. Y.
Application September 26, 1944, Serial No. 115,468
Term of patent 7 years
(Cl. D87—2)



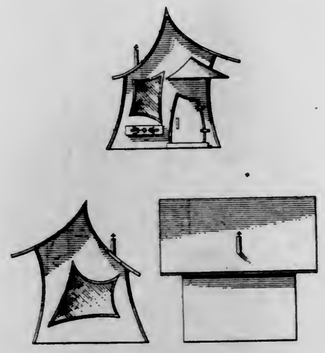
The ornamental design for a handbag frame, substantially as shown and described.

139,526
DESIGN FOR A HANDBAG FRAME
Rudolph Lobel, New York, N. Y.
Application September 28, 1944, Serial No. 115,495
Term of patent 7 years
(Cl. D87—2)



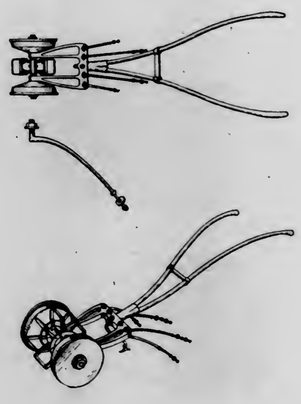
The ornamental design for a handbag frame, substantially as shown and described.

139,527
DESIGN FOR A PLAY BARN
August A. Olson, Bremerton, Wash.
Application March 13, 1944, Serial No. 112,888
Term of patent 14 years
(Cl. D34—15)



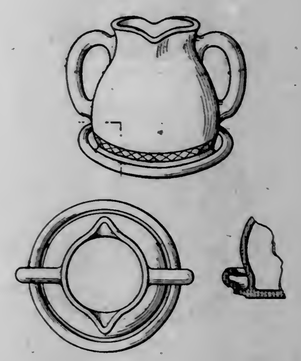
The ornamental design for a play barn, as shown.

139,528
DESIGN FOR A CULTIVATOR
Coy Orsett, Boston, Mass.
Application September 6, 1944, Serial No. 115,335
Term of patent 14 years
(Cl. D39—1)



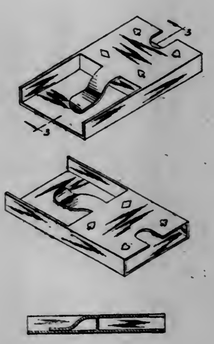
The ornamental design for a cultivator, as shown.

139,529
DESIGN FOR A PITCHER
Lawrence H. Russell, Saginaw, Mich.
Application August 25, 1944, Serial No. 115,027
Term of patent 14 years
(Cl. D44—21)



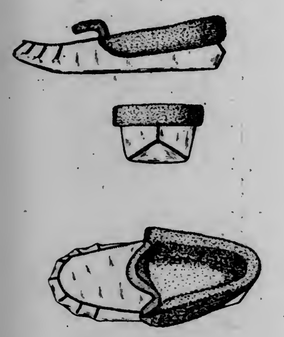
The ornamental design for a pitcher, as shown and described.

139,530
DESIGN FOR AN OUTDOOR PLAYING CARD HOLDER
Sam Schindler, New York, N. Y.
Application August 18, 1944, Serial No. 114,932
Term of patent 3½ years
(Cl. D34—5)



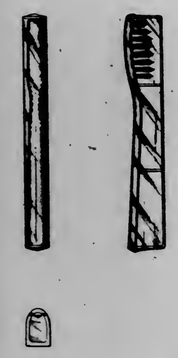
The ornamental design for an outdoor playing card holder, as shown.

139,531
DESIGN FOR A SHOE
Robert Stile and Philip Eisenberg, Brooklyn, N. Y.
Application August 24, 1944, Serial No. 115,010
Term of patent 14 years
(Cl. D7—7)



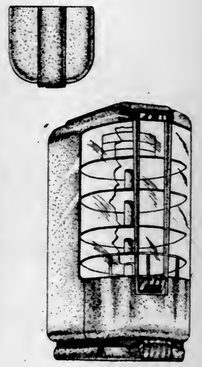
The ornamental design for a shoe, as shown.

139,532
DESIGN FOR A COMBINED TOOTHBRUSH AND HOLDER
Louis Trecek, Madison, Wis., assignor to The Celon Company, Madison, Wis., a corporation of Wisconsin
Application March 29, 1944, Serial No. 113,069
Term of patent 14 years
(Cl. D9—2)



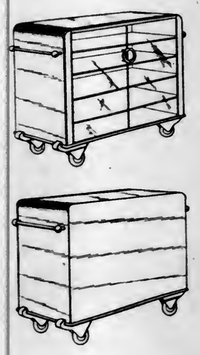
The ornamental design for a combined toothbrush and holder, as shown.

139,533
DESIGN FOR A REFRIGERATOR
George W. Walker, Pleasant Ridge, Mich., assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich., a corporation
Application September 1, 1943, Serial No. 111,043
Term of patent 3½ years
(Cl. D67—3)



The ornamental design for a refrigerator, substantially as shown and described.

139,534
DESIGN FOR A SHELF TRUCK
Wilbur Henry Adams, Erie, Pa., assignor to The Colson Corporation, Elyria, Ohio, a corporation of Ohio
Application January 24, 1944, Serial No. 112,309
Term of patent 7 years
(Cl. D14—3)



The ornamental design for a shelf truck, substantially as shown.

139,535
DESIGN FOR A HOODED COAT
Eddie Bauer, Seattle, Wash.
Application October 26, 1943, Serial No. 111,501
Term of patent 14 years
(Cl. D3—4)



The ornamental design for a hooded coat, as shown.

139,536
DESIGN FOR A WAISTCOAT
Eddie Bauer, Seattle, Wash.
Application October 26, 1943, Serial No. 111,502
Term of patent 14 years
(Cl. D3—4)



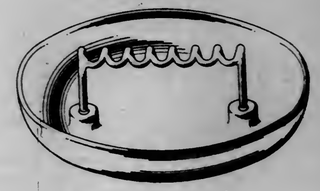
The ornamental design for a waistcoat, as shown.

139,537
DESIGN FOR A JACKET
Eddie Bauer, Seattle, Wash.
Application October 26, 1943, Serial No. 111,503
Term of patent 14 years
(Cl. D3—4)



The ornamental design for a jacket, as shown.

139,538
DESIGN FOR AN ASH TRAY
Millard F. Comstock, Fort Erie, Ontario, Canada
Application September 21, 1944, Serial No. 115,389
Term of patent 14 years
(Cl. D85—2)



The ornamental design for an ash tray, as shown.

139,539
DESIGN FOR A BROOCH PIN OR SIMILAR ARTICLE
Hugo De Alteriis, New York, N. Y.
Application October 7, 1944, Serial No. 115,663
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch pin or similar article, substantially as shown.

139,540
DESIGN FOR A BROOCH PIN OR SIMILAR ARTICLE
Hugo De Alteriis, New York, N. Y.
Application October 7, 1944, Serial No. 115,664
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch pin or similar article, substantially as shown.

139,541
DESIGN FOR A BROOCH PIN OR SIMILAR ARTICLE
Hugo De Alteriis, New York, N. Y.
Application October 9, 1944, Serial No. 115,686
Term of patent 7 years
(Cl. D45—19)



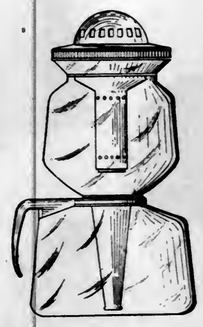
The ornamental design for a brooch pin or similar article, substantially as shown.

139,542
DESIGN FOR A BROOCH PIN OR SIMILAR ARTICLE
Hugo De Alteriis, New York, N. Y.
Application October 9, 1944, Serial No. 115,687
Term of patent 7 years
(Cl. D45—19)



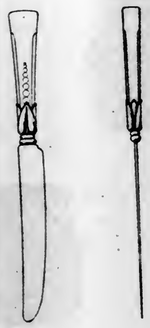
The ornamental design for a brooch pin or similar article, substantially as shown.

139,543
DESIGN FOR A COFFEE BREWER
Harold L. Frick, Detroit, Mich., assignor to Bendix Aviation Corporation, Detroit, Mich., a corporation of Delaware
Application February 19, 1944, Serial No. 112,646
Term of patent 14 years
(Cl. D44—26)



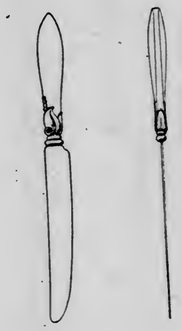
The ornamental design for a coffee brewer, as shown and described.

139,544
DESIGN FOR A KNIFE OR OTHER ARTICLE OF FLATWARE
Frederick E. Greene, Westport, Conn., assignor to National Silver Company, New York, N. Y., a corporation of New York
Application June 28, 1944, Serial No. 114,221
Term of patent 14 years
(Cl. D22—3)



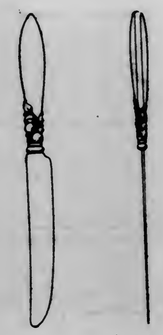
The ornamental design for a knife or other article of flatware, as shown.

139,545
DESIGN FOR A KNIFE OR OTHER ARTICLE OF FLATWARE
Frederick E. Greene, Westport, Conn., assignor to National Silver Company, New York, N. Y., a corporation of New York
Application June 28, 1944, Serial No. 114,222
Term of patent 14 years
(Cl. D22—3)



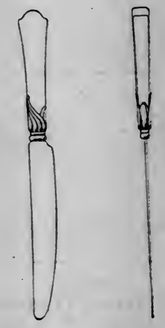
The ornamental design for a knife or other article of flatware, as shown.

139,546
DESIGN FOR A KNIFE OR OTHER ARTICLE OF FLATWARE
Frederick E. Greene, Westport, Conn., assignor to National Silver Company, New York, N. Y., a corporation of New York
Application June 28, 1944, Serial No. 114,223
Term of patent 14 years
(Cl. D22—3)



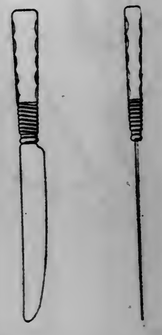
The ornamental design for a knife or other article of flatware, as shown.

139,547
DESIGN FOR A KNIFE OR OTHER ARTICLE OF FLATWARE
Frederick E. Greene, Westport, Conn., assignor to National Silver Company, New New York, N. Y., a corporation of New York
Application June 28, 1944, Serial No. 114,224
Term of patent 14 years
(Cl. D22—3)



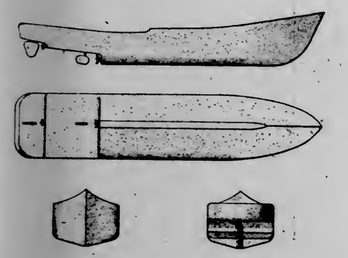
The ornamental design for a knife or other article of flatware, as shown.

139,548
DESIGN FOR A KNIFE OR OTHER ARTICLE OF FLATWARE
Frederick E. Greene, Westport, Conn., assignor to National Silver Company, New York, N. Y., a corporation of New York
Application June 28, 1944, Serial No. 114,225
Term of patent 14 years
(Cl. D22—3)



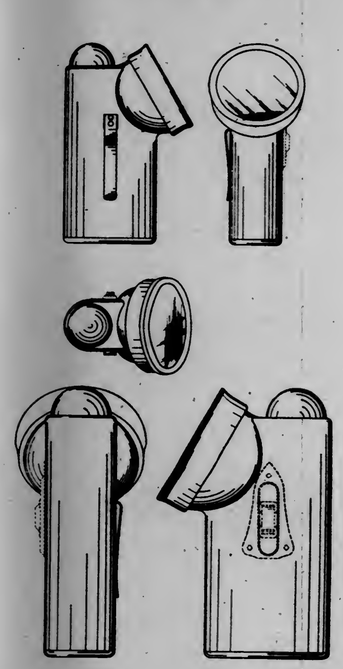
The ornamental design for a knife or other article of flatware, as shown.

139,549
DESIGN FOR A SHIP
Christoffer Hannevig, New York, N. Y.
Application May 19, 1944, Serial No. 113,685
Term of patent 7 years
(Cl. D71—1)



The ornamental design for a ship, as shown.

139,550
DESIGN FOR A FLASHLIGHT
John Warren Kinney, Jr., Cincinnati, Ohio
Application September 19, 1944, Serial No. 115,366
Term of patent 14 years
(Cl. D48—24)



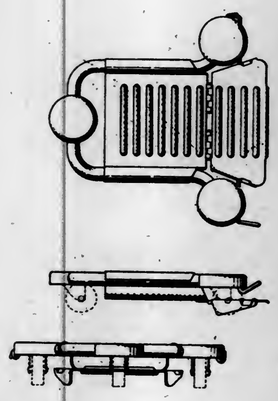
The ornamental design for a flashlight, as shown.

139,551
DESIGN FOR A CLASP FOR FOUNTAIN PEN OR SIMILAR ARTICLE
Raymond Loewy, New York, N. Y.
Application November 6, 1943, Serial No. 111,613
Term of patent 14 years
(Cl. D74—1)



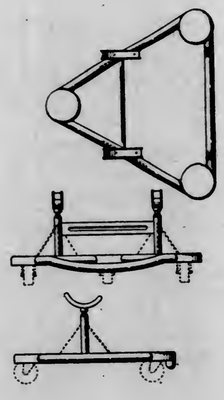
The ornamental design for a clasp for fountain pen or similar article, substantially as shown.

139,552
DESIGN FOR A DOLLY
Charles S. McCann, Racine, Wis., assignor to Walker Manufacturing Company of Wisconsin, Racine, Wis., a corporation of Wisconsin
Application August 4, 1944, Serial No. 114,740
Term of patent 14 years
(Cl. D41—1)



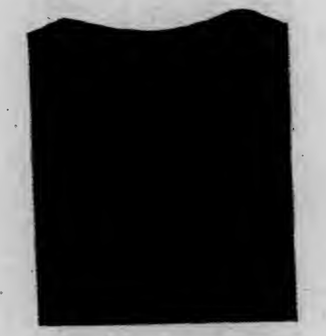
The ornamental design for a dolly, substantially as shown and described.

139,553
DESIGN FOR A DOLLY
Charles S. McCann, Racine, Wis., assignor to Walker Manufacturing Company of Wisconsin, Racine, Wis., a corporation of Wisconsin
Application August 4, 1944, Serial No. 114,741
Term of patent 14 years
(Cl. D41—1)



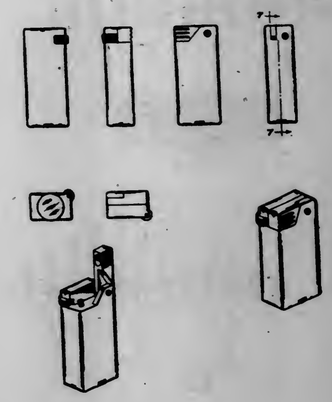
The ornamental design for a dolly, substantially as shown and described.

139,554
DESIGN FOR A DICKEY
Sara Mirsky, New York, N. Y.
Application May 29, 1944, Serial No. 113,794
Term of patent 3½ years
(Cl. D3—25)



The ornamental design for a dickey, as shown and described.

139,555
DESIGN FOR A LIGHTER
Miltiades Omirolis, New York, N. Y.
Application September 6, 1944, Serial No. 115,200
Term of patent 7 years
(Cl. D48—27)



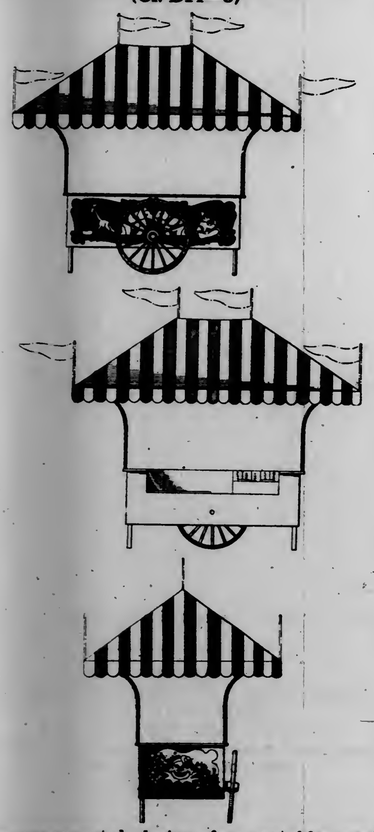
The ornamental design for a lighter, as shown.

139,556
DESIGN FOR A CURTAIN TIEBACK OR SIMILAR ARTICLE
Margaret Roth, New York, N. Y.
Application August 4, 1944, Serial No. 114,743
Term of patent 3½ years
(Cl. D21—1)



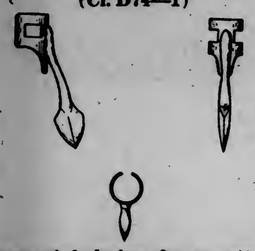
The ornamental design for a curtain tieback or similar article, substantially as shown.

139,557
DESIGN FOR A PORTABLE MARKET STAND
William H. Saabye, Kenmore, N. Y.
Application September 9, 1944, Serial No. 115,235
Term of patent 14 years
(Cl. D14—3)



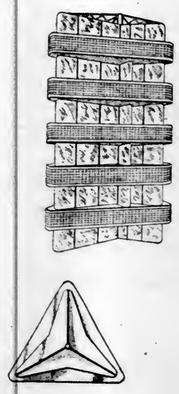
The ornamental design for portable market stand, as shown and described.

139,558
DESIGN FOR A CUTTING ATTACHMENT FOR PENCILS OR THE LIKE
Helen Vuksich, Duluth, Minn.
Application August 21, 1944, Serial No. 114,953
Term of patent 7 years
(Cl. D74—1)



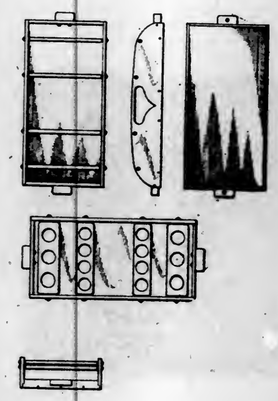
The ornamental design for a cutting attachment for pencils or the like, as shown.

139,559
DESIGN FOR AN APARTMENT HOUSE
George W. Walker, Pleasant Ridge, Mich., assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich., a corporation
Application September 1, 1943, Serial No. 111,048
Term of patent 3½ years
(Cl. D13—1)



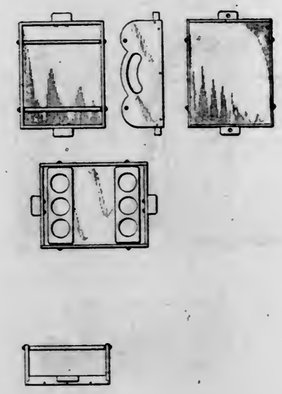
The ornamental design for an apartment house, substantially as shown and described.

139,560
DESIGN FOR A BEVERAGE SERVING TRAY
William L. Wentling, Euclid, Ohio
Application August 22, 1944, Serial No. 114,971
Term of patent 7 years
(Cl. D44—10)



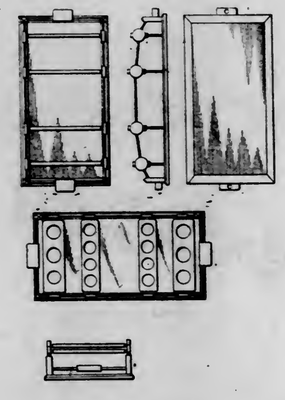
The ornamental design for a beverage serving tray, substantially as shown.

139,561
DESIGN FOR A BEVERAGE SERVING TRAY
William L. Wentling, Euclid, Ohio
Application August 22, 1944, Serial No. 114,972
Term of patent 7 years
(Cl. D44—10)



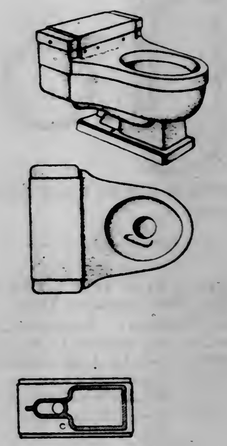
The ornamental design for a beverage serving tray, substantially as shown.

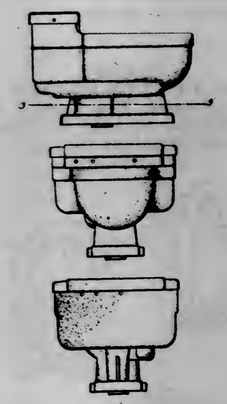
139,562
DESIGN FOR A BEVERAGE SERVING TRAY
William L. Wentling, Euclid, Ohio
Application August 22, 1944, Serial No. 114,973
Term of patent 7 years
(Cl. D44—10)



The ornamental design for a beverage serving tray, substantially as shown.

139,563
DESIGN FOR A WATER CLOSET
Willard G. Young, Kenmore, N. Y., assignor to W. A. Case and Son Manufacturing Company, Buffalo, N. Y., a corporation of New York
Application September 9, 1944, Serial No. 115,236
Term of patent 14 years
(Cl. D4—5)





The ornamental design for a water closet, as shown.

139,564
DESIGN FOR A BOTTLE
Marc A. Byrd, Saegertown, and Frank La Bounty, Edinboro, Pa.
Application January 15, 1944, Serial No. 112,244
Term of patent 3½ years
(Cl. D58—8)



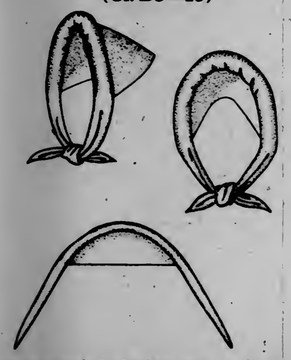
The ornamental design for a bottle, substantially as shown.

139,565
DESIGN FOR A CLIP FOR HEARING AIDS
Harold W. Darr, Minneapolis, Minn., assignor to The Maico Company, Incorporated, Minneapolis, Minn., a corporation of Minnesota
Application September 16, 1944, Serial No. 115,318
Term of patent 14 years
(Cl. D17—3)



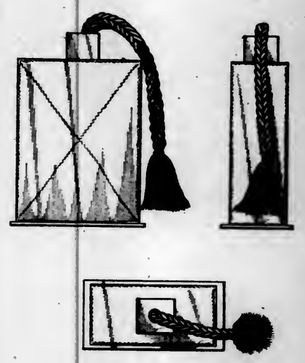
The ornamental design for a clip for hearing aids, substantially as shown.

139,566
DESIGN FOR A HAT OR SIMILAR ARTICLE
Ruth Deutsch, New York, N. Y.
Application October 14, 1944, Serial No. 115,779
Term of patent 3½ years
(Cl. D3—13)



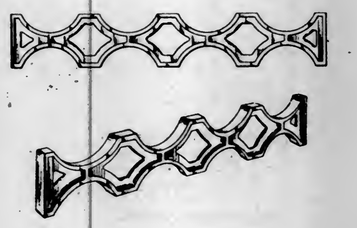
The ornamental design for a hat or similar article, substantially as shown and described.

139,567
DESIGN FOR A VANITY BOX OR SIMILAR ARTICLE
Charles H. Foster and Harry E. Forwell, New York, N. Y.; said Forwell assignor to said Foster
Application June 24, 1944, Serial No. 114,172
Term of patent 14 years
(Cl. D58—12)



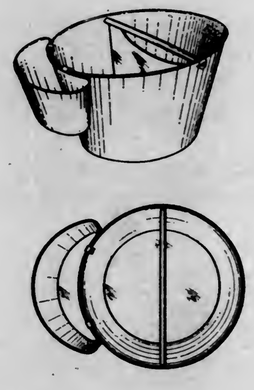
The ornamental design for a vanity box or similar article, as shown and described.

139,568
DESIGN FOR A CONDUIT SPACER
William H. D. Hinchman, Detroit, Mich.
Application September 16, 1944, Serial No. 115,323
Term of patent 14 years
(Cl. D26—1)



The ornamental design for a conduit spacer, substantially as shown and described.

139,569
DESIGN FOR A CLEANING BUCKET
Elizabeth O'Brien, Davenport, Iowa
Application May 29, 1944, Serial No. 113,798
Term of patent 14 years
(Cl. D58—17)



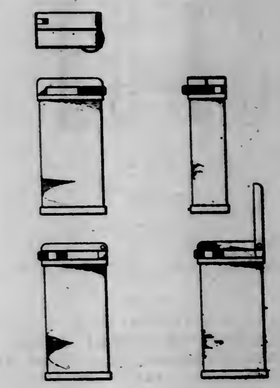
The ornamental design for a cleaning bucket, substantially as shown.

139,570
DESIGN FOR A COMBINATION VIOLIN BRIDGE AND TAILPIECE
Myron Earl Osburn, Enid, Okla.
Application August 24, 1944, Serial No. 115,012
Term of patent 14 years
(Cl. D56—1)



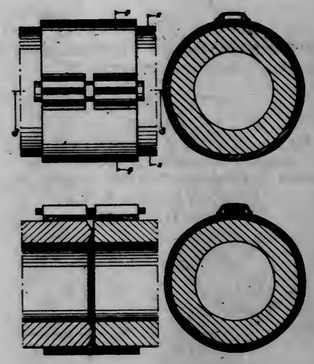
The ornamental design for a combination violin bridge and tailpiece, as shown.

139,571
DESIGN FOR A CIGAR AND CIGARETTE LIGHTER
William E. Phillips, Los Angeles, Calif.
Application August 23, 1944, Serial No. 114,978
Term of patent 3½ years
(Cl. D48—27)



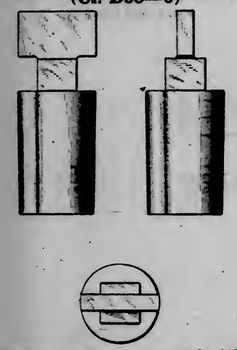
The ornamental design for a cigar and cigarette lighter, substantially as shown.

139,572
DESIGN FOR A PIPE COUPLING UNIT OR SIMILAR ARTICLE
Ivan Ročić, New York, N. Y.
Application August 14, 1943, Serial No. 110,916
Term of patent 14 years
(Cl. D91—3)



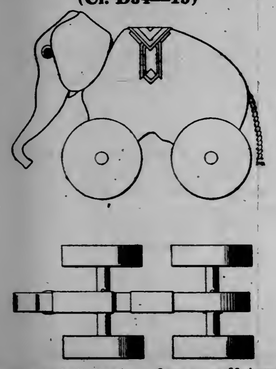
The ornamental design for a pipe coupling unit or similar article, as shown and described.

139,573
DESIGN FOR A BOTTLE
John P. Wilde, Sands Point, N. Y.
Application April 25, 1944, Serial No. 113,370
Term of patent 14 years
(Cl. D58—8)



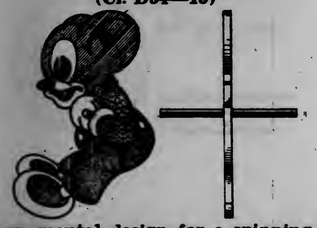
The ornamental design for a bottle, as shown.

139,574
DESIGN FOR A PULL TOY
Howard William Beaver, Eagle Rock, Calif.
Application June 2, 1944, Serial No. 113,842
Term of patent 7 years
(Cl. D34—15)



The ornamental design for a pull toy, substantially as shown and described.

139,575
DESIGN FOR A SPINNING TOY
James Bunnell, Denver, Colo.
Application September 9, 1944, Serial No. 115,234
Term of patent 7 years
(Cl. D34—15)



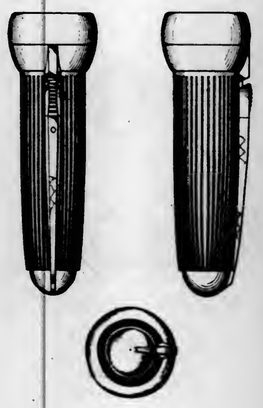
The ornamental design for a spinning toy, as shown and described.

139,576
DESIGN FOR A NUTCRACKER
Ernest J. Carlson, Reading, Pa.
Application February 5, 1944, Serial No. 112,457
Term of patent 3½ years
(Cl. D89—1)



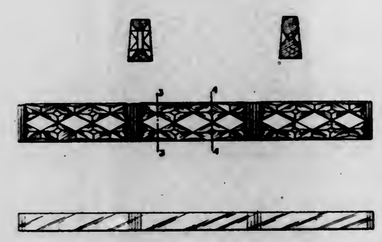
The ornamental design for a nutcracker, as shown.

139,577
DESIGN FOR A FLASHLIGHT
David Chapman, Chicago, Ill.
Application June 29, 1944, Serial No. 114,246
Term of patent 14 years
(Cl. D48—24)



The ornamental design for a flashlight, as shown.

139,578
DESIGN FOR A TOP BAND FOR BAG FRAMES
John De Pasquale and Alexander Westerman, Brooklyn, N. Y., assignors to Hardy Metal Specialties Inc., Brooklyn, N. Y., a corporation of New York
Application May 29, 1944, Serial No. 113,782
Term of patent 7 years
(Cl. D87—2)



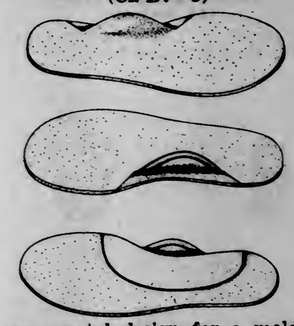
The ornamental design for a top band for bag frames, substantially as shown.

139,579
DESIGN FOR A CLASP FOR A HANDBAG OR SIMILAR ARTICLE
John De Pasquale and Alexander Westerman, Brooklyn, N. Y., assignors to Hardy Metal Specialties Inc., Brooklyn, N. Y., a corporation of New York
Application June 7, 1944, Serial No. 113,889
Term of patent 7 years
(Cl. D87—2)



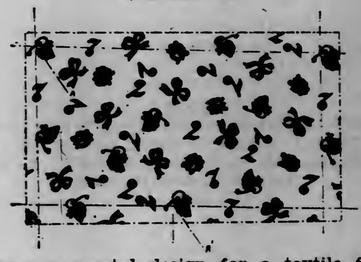
The ornamental design for a clasp for a handbag or similar article, substantially as shown.

139,580
DESIGN FOR A MOLDED INSOLE
Fred J. Diamant, New York, N. Y.
Application April 5, 1944, Serial No. 113,151
Term of patent 14 years
(Cl. D7—5)



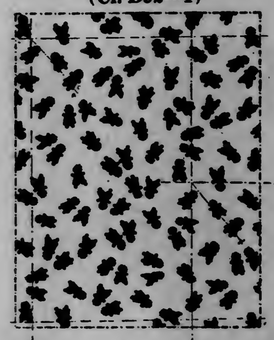
The ornamental design for a molded insole, substantially as shown.

139,581
DESIGN FOR A TEXTILE FABRIC
Leon L. Frank, New York, N. Y.
Application September 12, 1944, Serial No. 115,275
Term of patent 3½ years
(Cl. D92—1)



The ornamental design for a textile fabric, substantially as shown and described.

139,582
DESIGN FOR A TEXTILE FABRIC
Leon L. Frank, New York, N. Y.
Application September 12, 1944, Serial No. 115,276
Term of patent 3½ years
(Cl. D92—1)



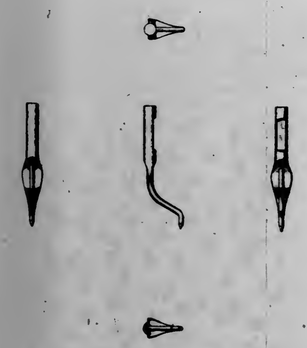
The ornamental design for a textile fabric, substantially as shown and described.

139,583
DESIGN FOR AN EARRING OR SIMILAR ARTICLE
William W. Hobé, New York, N. Y.
Application August 8, 1944, Serial No. 114,789
Term of patent 7 years
(Cl. D45—9)



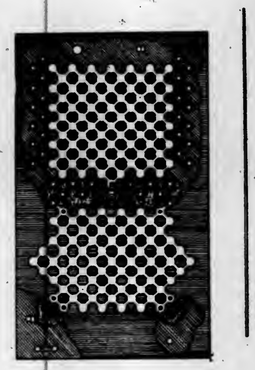
The ornamental design for an earring or similar article, substantially as shown.

139,584
DESIGN FOR A PHONOGRAPH NEEDLE
Peter L. Jensen, Western Springs, Ill.
Application March 13, 1944, Serial No. 112,884
Term of patent 14 years
(Cl. D26—14)



The ornamental design for a phonograph needle, substantially as shown.

139,585
DESIGN FOR A GAME BOARD OR SIMILAR ARTICLE
William H. Loethen and Edna I. Loethen, Jefferson City, Mo.
Application August 11, 1944, Serial No. 114,831
Term of patent 7 years
(Cl. D34—5)



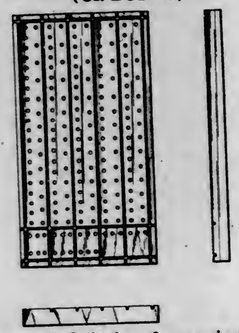
The ornamental design for a game board or similar article, as shown.

139,586
DESIGN FOR A NECKTIE CLASP
Grover C. Potts, Big Spring, Tex.
Application July 24, 1944, Serial No. 114,542
Term of patent 14 years
(Cl. D17—10)



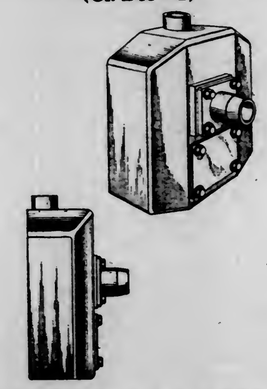
The ornamental design for a necktie clasp, substantially as shown.

139,587
DESIGN FOR A PINOCHLE PEGGING SCOREBOARD
Lewis E. Ruddock, Springfield, Mass.
Application August 21, 1944, Serial No. 114,950
Term of patent 14 years
(Cl. D34—5)



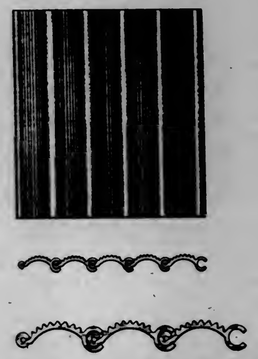
The ornamental design for a pinochle pegging scoreboard, substantially as shown.

139,588
DESIGN FOR A PUMP CASING
Gilbert W. Quast, Milwaukee, Wis.
Application April 13, 1944, Serial No. 113,243
Term of patent 14 years
(Cl. D65—1)



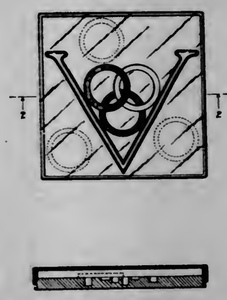
The ornamental design for a pump casing, as shown and described.

139,589
DESIGN FOR A DECORATIVE PLASTIC MATERIAL
Alexander Westerman and John De Pasquale, Brooklyn, N. Y., assignors to Hardy Metal Specialties, Inc., Brooklyn, N. Y., a corporation of New York
Application September 18, 1944, Serial No. 115,338
Term of patent 7 years
(Cl. D87—3)



The ornamental design for a decorative plastic material, substantially as shown.

139,590
DESIGN FOR A PUZZLE
Harry H. Wilson, Point Pleasant, N. J.
Application July 6, 1944, Serial No. 114,329
Term of patent 3½ years
(Cl. D34—15)



The ornamental design for a puzzle, as shown.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Adel Precision Products Corp., Burbank, Calif. Conduit supporting blocks and conduit supporting clips. Serial No. 473,758; Nov. 28. Class 13.

Admiral Corporation, Chicago, Ill. Electric stoves. Serial No. 474,468; Nov. 28. Class 21.

Alson Textile Corporation, New York, N. Y. Rayon piece goods. Serial No. 472,797; Nov. 28. Class 42.

Alumatone Corporation, Los Angeles, Calif. Ready mixed aluminum paints. Serial No. 474,265; Nov. 28. Class 16.

American Crayon Company, The, Sandusky, Ohio. Water colors, coloring materials, extenders, etc. Serial No. 464,297; Nov. 28. Class 16.

American Woolen Company, New York, N. Y. Piece goods. Serial No. 473,013; Nov. 28. Class 42.

Ampco Metal, Inc., Milwaukee, Wis. Metallic welding rods and arc welding electrodes. Serial No. 467,179; Nov. 28. Class 14.

Anabolic Food Products, Inc., Glendale, Calif. Vitamin and mineral preparation. Serial Nos. 472,924–5; Nov. 28. Class 6.

Art Mor Togs. (See Caming, Arthur.)

Atlantic Rubber Products Co. (See Swartz, Mark A.)

Bagshaw, W. H., Co., Lowell, Mass. Talking machine needles. Serial No. 473,689; Nov. 28. Class 36.

Beatrice Creamery Company, Chicago, Ill. Powdered vegetable shortening. Serial No. 474,690; Nov. 28. Class 46.

Beaver Island Fruit Acres. (See National Hospital Association.)

Bergman, Jack H., Brooklyn, N. Y. Phonograph needles. Serial No. 475,187; Nov. 28. Class 36.

Bischoff, Ernst, Company, Incorporated, Ivoryton, Conn. Vitamin preparations. Serial Nos. 473,527–8; Nov. 28. Class 6.

Blumstein, Abraham, New York, N. Y. Watches and movements therefor. Serial No. 473,932; Nov. 28. Class 27.

Broudy, Albert M., Pittsburgh, Pa. Hand bags which embody a separate compartment adapted for receiving an umbrella. Serial No. 475,243; Nov. 28. Class 3.

Caming, Arthur, doing business as Art Mor Togs, New York, N. Y. Ladies', misses', junior misses' and girls' outer shorts, slacks, overalls, etc. Serial No. 472,729; Nov. 28. Class 39.

Carroll, Charles, Company. (See Carroll, Charles G.)

Carroll, Charles G., doing business as Charles Carroll Company, Kansas City, Mo. French dressing, meat sauces, mayonnaise, etc. Serial No. 467,995; Nov. 28. Class 46.

Cascella Spring Co., Three Rivers, Mass. Nonalcoholic, maltless beverages. Serial No. 474,721; Nov. 28. Class 45.

Caulk, L. D., Company, The, Milford, Del. Antiseptic and germicidal preparation. Serial No. 472,765; Nov. 28. Class 6.

Celiroc Insulation Company. (See Rees, Harry F.)

Character Leather Products Co., Boston, Mass. Personal leatherwares. Serial No. 470,103; Nov. 28. Class 3.

Continental Carbon Company, New York, N. Y. Carbon black. Serial No. 462,438; Nov. 28. Class 1.

Continental Carbon Company, New York, N. Y. Carbon black. Serial No. 462,441; Nov. 28. Class 1.

Cooley, Sara, Cosmetics, doing business as Empress Theodora Distributor, Los Angeles, Calif. Cologne. Serial No. 472,623; Nov. 28. Class 6.

Curly Lox Products. (See Plate, Robert T.)

Daggett Chocolate Company, doing business as Master Chocolate Makers, Cambridge, Mass. Fruit syrups. Serial No. 462,702; Nov. 28. Class 45.

Dowty Equipment Limited. (See Hub Industries, Inc., assignor.)

Dunaway, H. D., doing business as H. D. Dunaway Company, Atlanta, Ga. Preparation for removing spots and stains, and for removing perspiration odor from clothing, and used as a dry-cleaning soap. Serial No. 474,445; Nov. 28. Class 4.

Dunaway, H. D., Company. (See Dunaway, H. D.)

Eastern Connecticut Poultry Producers, Inc., Willimantic, Conn. Eggs. Serial No. 470,711; Nov. 28. Class 46.

Edward Valve & Manufacturing Co., Inc., The, East Chicago, Ill. Valves and parts of valves. Serial Nos. 465,652–3; Nov. 28. Class 13.

Electric Fixture Mfg. Co., Newark, N. J. Fluorescent lamp fixtures and luminaires. Serial No. 467,093; Nov. 28. Class 21.

Empress Theodora Distributor. (See Cooley, Sara, Cosmetics.)

Enger-Kress Company, West Bend, Wis. Men's bill folds. Serial No. 469,725; Nov. 28. Class 3.

Esterbrook Steel Pen Manufacturing Company, The, Camden, N. J. Writing pens of all kinds, fountain pens, mechanical pencils, and desk sets. Serial No. 474,234; Nov. 28. Class 37.

Feldman, Max H., Brooklyn, N. Y. Infants' wear. Serial No. 470,832; Nov. 28. Class 39.

Finker, Irving, Co., New York, N. Y. Women's coats and suits. Serial No. 474,402; Nov. 28. Class 39.

Firestone Tire & Rubber Company, The, Akron, Ohio. Compounding ingredient for rubber, synthetic rubber and the like. Serial No. 473,477; Nov. 28. Class 6.

Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. Serial No. 473,598; Nov. 28. Class 42.

Foster and Kleiser Company, San Francisco, Calif. Stabilized adobe brick. Serial No. 468,711; Nov. 28. Class 12.

Fourels, Inc., Brooklyn, N. Y. Slippers, shoes, and playshoes. Serial No. 472,846; Nov. 28. Class 39.

Frazier, Gertrude, Santa Cruz, Calif. Medicinal preparation in salve form for the treatment of athlete's foot. Serial No. 468,074; Nov. 28. Class 6.

Fruen Milling Company, Minneapolis, Minn. Rolled wheat breakfast foods. Serial No. 460,613; Nov. 28. Class 46.

Gamble Stores, Incorporated, Minneapolis, Minn. Pianos. Serial No. 474,957; Nov. 28. Class 36.

Geneva Forge, Inc., Geneva, N. Y. Culinary tools. Serial Nos. 473,214–15; Nov. 28. Class 23.

Glaziers' Tool Mfg. Corp., Chicago, Ill. Glaziers' points. Serial No. 473,536; Nov. 28. Class 13.

Goodyear Tire & Rubber Company, The, Akron, Ohio. Tires composed wholly or principally of rubber. Serial No. 472,812; Nov. 28. Class 35.

Gorton-Pew Fisheries Company, Ltd., Gloucester, Mass. Canned fish, salt fish, smoked fish, etc. Serial No. 472,516; Nov. 28. Class 46.

Grant, Foster, Co. Inc., Leominster, Mass. Cigarette cases. Serial No. 474,235; Nov. 28. Class 8.

Guignon & Green, Inc., New York, N. Y. Turpentine type of solvent or thinner. Serial No. 474,410; Nov. 28. Class 16.

Harman, Hal W., doing business as Harman Process Company, El Paso, Tex. Metallic locking fastening slugs. Serial No. 464,339; Nov. 28. Class 14.

Harman, Hal W., doing business as Harmon Process Company, El Paso, Tex. Metallic locking fastening slugs. Serial No. 464,482; Nov. 28. Class 14

Harman Process Company. (See Harman, Hal W.)

Hartwig, Walter A., doing business as Tots Toys, Milwaukee, Wis. Toy horses. Serial Nos. 469,813–14; Nov. 28. Class 22.

Hoffmann-La Roche, Inc., Nutley, N. J. Medicinal preparation recommended for use in prophylaxis and treatment of conditions where calcium and vitamins are indicated. Serial No. 473,603; Nov. 28. Class 6.

Houlis, Louis D., Dallas, Tex. Bakers' ovens, machinery and equipment. Serial No. 468,200; Nov. 28. Class 34.

Hub Industries, Inc., Long Island City, N. Y., assignor to Dowty Equipment Limited, Cheltenham, England. Hydraulic pumps. Serial No. 463,149; Nov. 28. Class 23.

Imperial Brass Manufacturing Company, The, Chicago, Ill. Flush valves. Serial No. 472,978; Nov. 28. Class 13.

Jaffe Candy Co., Los Angeles, Calif. Candy. Serials Nos. 472,861–2; Nov. 28. Class 46.

Johns-Manville Corporation, New York, N. Y. Building material. Serial No. 466,305; Nov. 28. Class 12.

Juilliard, A. D., & Co., Inc., New York, N. Y. Piece goods of wool, silk, cotton, etc. Serial No. 462,995; Nov. 28. Class 42.

Kendall Company, The, Walpole, Mass. Seed bed covers. Serial No. 466,798; Nov. 28. Class 42.

Kocher, Walter, New York, N. Y. Watches. Serial No. 474,454; Nov. 28. Class 27.

Kocher, Walter, New York, N. Y., Clocks. Serial No. 474,456; Nov. 28. Class 27.

Kroger Grocery & Baking Company, The, Cincinnati, Ohio. Washing and cleaning compound. Serial No. 432,034; Nov. 28. Class 4.

Lefcourte, Albert, doing business as Lefcourte Cosmetics Co., New York, N. Y. Empty porcelain cosmetic boxes. Serial No. 470,800; Nov. 28. Class 30.

Lefcourte Cosmetics Co. (See Lefcourte, Albert.)

Lentheric, Incorporated, New York, N. Y. Perfumes and perfume preparations, toilet waters, face, bath, talcum, etc. Serial No. 473,862; Nov. 28. Class 6.

Levey, Fred'k H., Co. Inc., New York, N. Y. Printing inks. Serial No. 474,418; Nov. 28. Class 11.

Manco Watch Strap Co., New York, N. Y. Leather and fabric wrist watch straps. Serial No. 470,857; Nov. 28. Class 40.

Marshall Engineering Company, Milwaukee, Wis. Chemical preparation for removing oil or grease from all types of metal parts and having a rust inhibiting effect. Serial No. 473,218; Nov. 28. Class 6.

Martin's, Dude, Western Radio Features, San Francisco, Calif. Phonograph records. Serial No. 473,744; Nov. 28. Class 36.

Marvlo Fabrics, Inc., New York, N. Y. Piece goods of cotton, linen, silk, and rayon. Serial No. 469,935; Nov. 28. Class 42.

Master Chocolate Makers. (See Daggett Chocolate Company.)

McKesson & Robbins, Incorporated, New York, N. Y. Antacid powder. Serial No. 473,323; Nov. 28. Class 6.

Messinger, Lewis, New York, N. Y. Hair nets. Serial No. 472,879; Nov. 28. Class 39.

Minterals Company. (See Wilhelm, Warren F.)

National Hospital Association, doing business as Beaver Island Fruit Acres, Portland, Oreg. Nuts. Serial No. 468,763; Nov. 28. Class 46.

New Jersey Machine Corporation, Hoboken, N. J. Printing machines. Serial No. 473,108; Nov. 28. Class 23.

New Jersey Zinc Company, The, New York, N. Y. Luminescent chemical compounds of pigment-like nature. Serial No. 473,511; Nov. 28. Class 6.

Nivada Watch Corporation, New York, N. Y. Watches. Serial No. 468,304; Nov. 28. Class 27.

Oldin-Dennis, New York, N. Y. Wearing apparel for children. Serial No. 473,191; Nov. 28. Class 39.

Oroline Products Co., Chicago, Ill. Metallic pigments, vehicles for metallic pigments, and mixed metallic pigment paints. Serial No. 474,348; Nov. 28. Class 16.

Parisian Handbag Co., Inc., New York, N. Y. Ladies' handbags. Serial No. 474,919; Nov. 28. Class 3.

Patons & Baldwins, Inc., Newark, N. J. Woolen yarn. Serial No. 474,422; Nov. 28. Class 43.

Payne, P. M., & Company, Denver, Colo. Grinding balls. Serial No. 473,073; Nov. 28. Class 23.

Planet, Inc., Boston, Mass. Monthly publication. Serial No. 461,025; Nov. 28. Class 38.

Plate, Robert T., doing business as Curly Lox Products, Detroit, Mich. Eyebrow tweezers. Serial No. 474,606; Nov. 28. Class 44.

Rees, Harry F., doing business as Celiroc Insulation Company, Birmingham, Ala. Sweeping compound. Serial No. 469,365; Nov. 28. Class 4.

Rembrandt Lamp Corporation, Chicago, Ill. Tables. Serial No. 474,361; Nov. 28. Class 32.

Richmond-Walker Manufacturing Co., Oakland, Calif. Guitar steels. Serial No. 473,582; Nov. 28. Class 36.

Rodriguez, Libardo, New York, N. Y. Cleansing and toilet tissues. Serial No. 471,424; Nov. 28. Class 37.

Rosenthal, Nathan, doing business as Speed Mfg. Co., Roxbury, Mass. Shoe polish. Serial No. 469,915; Nov. 28. Class 4.

Roth, J., & Son Co., New York, N. Y. Cleaning fluid preparation for animal furs. Serial No. 467,792; Nov. 28. Class 4.

Roxalin Flexible Finishes, Inc., Elizabeth, N. J. Chemical compositions for flameproofing, fireproofing, etc., fabrics, wood and other materials, chemical insulating compounds, etc. Serial No. 473,397; Nov. 28. Class 6.

Salle Ann Shops, Inc., St. Louis, Mo. Corsets, girdles, brassières, etc. Serial No. 471,425; Nov. 28. Class 39.

Scherrer, E. C., Inc., New York, N. Y. Hat braids. Serial No. 473,460; Nov. 28. Class 40.

Sears, Roebuck and Co., Chicago, Ill. Alcoholometers and battery hydrometers. Serial No. 473,260; Nov. 28. Class 26.

Service Supply Corporation, Philadelphia, Pa. Power actuated hoists. Serial Nos. 471,574–5; Nov. 28. Class 23.

Speed Mfg. Co. (See Rosenthal, Nathan.)

Stein, Maurice J., New York, N. Y. Jewelry. Serial No. 453,258; Nov. 28. Class 28.

Swartz, Mark A., doing business as Atlantic Rubber Products Co., Boston, Mass. Shoe fabrics. Serial No. 464,362; Nov. 28. Class 42.

Texagon Mills, Inc., North Bergen, N. J. Dresses. Serial No. 466,870; Nov. 28. Class 39.

Timme, E. F., & Son, New York, N. Y. Pile fabrics. Serial No. 469,711; Nov. 28. Class 42.

Titeflex, Inc., Newark, N. J. Flexible metal conduit and fitting junction boxes, etc. Serial No. 473,296; Nov. 28. Class 21.

Tots Toys. (See Hartwig, Walter A.)

Union Fork & Hoe Company, The, Columbus, Ohio. Hand operated tools. Serial No. 472,913; Nov. 28. Class 23.

Upjohn Company, The, Kalamazoo, Mich. Medicinal preparations. Serial No. 473,437; Nov. 28. Class 6.

Villa Laboratories, Limited, Liverpool, England. Metal polish and grate polish. Serial No. 468,051; Nov. 28. Class 4.

Villa Laboratories, Limited, Liverpool, England. Detergent in cake form. Serial No. 468,052; Nov. 28. Class 4.

Vita-Var Corporation, Newark, N. J. Linoleates and insecticide. Serial No. 473,352; Nov. 28. Class 6.

Warner, William R., & Co., Inc., Wilmington, Del., and New York, N. Y. Expectorant. Serial No. 473,169; Nov. 28. Class 6.

Weber, George F., Akron, Ohio. Dolls and dressed dolls. Serial No. 475,092; Nov. 28. Class 22.

Westberg Company, Los Angeles, Calif. Pre-cast concrete building units, pre-cast concrete wall sections, and pre-cast concrete floor sections. Serial No. 465,329; Nov. 28. Class 12.

Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric circuit breakers. Serial No. 457,178; Nov. 28. Class 21.

Wilhelm, Warren F., doing business as Minterals Company, Chicago, Ill. Tablets containing calcium, phosphorus, sugar and aromatics. Serial No. 473,042; Nov. 28. Class 6.

Wilmington Hosiery Mills, Inc., Wilmington, Del. Hosiery. Serial No. 474,255; Nov. 28. Class 39.

LIST OF REGISTRANTS OF TRADE-MARKS

Allied Kid Company. (See McNeely Company, assignor.)

Alshin, Joel, doing business as The Diaperwite Company, assignor to Diaperwite, Inc., New York, N. Y. Water softening cleaning preparations. 410,538; Nov. 28. Class 4.

Alta Vineyards Company. (See Mattei, Andrew, assignor.)

Amenta, Sam, doing business as Sam Amenta Specialties, Chicago, Ill. Denture cleaner. 410,486; Nov. 28; Serial No. 470,253; published Sept. 19, 1944. Class 4.

Amenta, Sam, Specialties. (See Amenta, Sam.)

American Specialty Company, The, Amherst, Ohio. Devices for spraying insecticides and garden spray. 410,476; Nov. 28; Serial No. 469,319; published Sept. 19, 1944. Class 23.

Antiseptol Company, Inc., Chicago, Ill. Toilet soap in liquid form. 410,500; Nov. 28; Serial No. 470,876; published Sept. 19, 1944. Class 4.

Asbestos & Electrical Fitting Co. Ltd., London, assignor, by mesne assignments, to Turners Asbestos Cement Company Limited, Spotland, Rochdale, England. Composition consisting principally of asbestos for use for electrical insulation. 191,604; renewed Nov. 11, 1944.

Associated Seed Growers, Inc., doing business as Jerome B. Rice Seed Co., New Haven, Conn. Vegetable seeds. 410,451; Nov. 28; Serial No. 465,059; published Sept. 19, 1944. Class 1.

Associated Seed Growers, Inc., doing business as Jerome B. Rice Seed Co., New Haven, Conn. Flower seeds. 410,452; Nov. 28; Serial No. 465,060; published Sept. 19, 1944. Class 1.

Austin, Nichols & Co., Incorporated, Brooklyn, N. Y. Whiskey. 410,523; Nov. 28; Serial No. 472,029; published Sept. 19, 1944. Class 49.

Auto Specialties Manufacturing Company, St. Joseph, Mich. Automobile jacks. 410,448; Nov. 28; Serial No. 462,742; published Sept. 19, 1944. Class 23.

Aviation Corporation, The. (See Aviation Manufacturing Corporation, assignor.)

Aviation Manufacturing Corporation, New York, N. Y., assignor to The Aviation Corporation, Wilmington, Del. Internal combustion aircraft engines and parts thereof. 410,435; Nov. 28; Serial No. 431,478; published July 29, 1941. Class 23.

Avon Products, Inc., New York, N. Y. Facial tissues. 410,535; Nov. 28. Class 37.

Benekos, William J., Chicago, Ill. Non-alcoholic beverages, syrups and extracts. 410,437; Nov. 28; Serial No. 444,435; published Sept. 19, 1944. Class 45.

Bolsey, Jacques, New York, N. Y. Cinematographic and photographic apparatus and accessories thereto. 410,510; Nov. 28; Serial No. 471,300; published Sept. 19, 1944. Class 26.

Boss Manufacturing Company, The, Kewanee, Ill., and Brooklyn, N. Y., to The Boss Manufacturing Company, Kewanee, Ill. Gloves and mittens. 194,413; renewed Jan. 27, 1945.

Bovril, Limited, London, England. Cocoa and all kinds of chocolate. 25,995; re-renewed Feb. 5, 1945.

Boyde, F. W., Co. (See Boyde, Francis W.)

Boyde, Francis W., doing business as F. W. Boyde Co., Philadelphia, Pa. Cleaning and polishing compound. 410,465; Nov. 28; Serial No. 467,121; published Sept. 12, 1942. Class 16.

Briggs Bituminous Composition Co. (See Farber, John D.)

Brunswick Radio Corp., New York, N. Y. Phonograph records. 410,501; Nov. 28; Serial No. 470,880; published Sept. 19, 1944. Class 36.

Cabot, Claire M., doing business as Trident Manufacturing Co., New York, N. Y. Gold and silver polish. 410,443; Nov. 28; Serial No. 462,044; published Sept. 19, 1944. Class 4.

Cabot, Claire M., doing business as Trident Manufacturing Co., New York, N. Y. Cleaning and polishing preparations. 410,444; Nov. 28; Serial No. 462,045; published Sept. 19, 1944. Class 16.

Cabot, Claire M., doing business as Trident Manufacturing Co., New York, N. Y. Combined non-freezing mist preventer and cleaner for glass. 410,445; Nov. 28; Serial No. 462,046; published Sept. 19, 1944. Class 4.

Cartwright, W. B., Limited, Larkfield, Rawdon, near Leeds, England. Bay rum, bath crystals, compact face powder, etc. 194,833; renewed Feb. 10, 1945.

Chemotek Manufacturing Company, Houston, Tex. Heat resistant lubricating grease. 410,519; Nov. 28; Serial No. 471,939; published Sept. 19, 1944. Class 15.

Chemotek Manufacturing Company, Houston, Tex. Acid resistant lubricating grease. 410,520; Nov. 28; Serial No. 471,940; published Sept. 19, 1944. Class 15.

Chemotek Manufacturing Company, Houston, Tex. Alkali resistant lubricating grease. 410,521; Nov. 28; Serial No. 471,941; published Sept. 19, 1944. Class 15.

Chisholm-Moore Hoist Corporation, Tonawanda, N. Y. Hoists, winches, and parts thereof. 410,449; Nov. 28; Serial No. 464,745; published Sept. 19, 1944. Class 23.

Citrus Products Company, Chicago, Ill. Non-alcohol, non-cereal, maltless beverages. 410,506; Nov. 28; Serial No. 471,184; published Aug. 29, 1944. Class 45.

Clayton, S. C., Inc., Boston, Mass. Fruit flavored syrups. 410,508; Nov. 28; Serial No. 471,243; published Sept. 12, 1944. Class 45.

Codo Manufacturing Corp., Coraopolis, Pa., and Chicago, Ill. Carbon paper and typewriter ribbons. 410,438; Nov. 28; Serial No. 457,381; published June 6, 1944. Class 11.

Columbia River Packers Association, assignor to Columbia River Packers Association, Inc., Astoria, Oreg. Canned salmon. 194,498; renewed Jan. 27, 1945.

Columbia River Packers Association, Inc. (See Columbia River Packers Association, assignor.)

Co-Operative Olive Products Association, Inc., assignor to Copa Sales Company, Fresno, Calif. Olive oil, green olives, ripe olives, etc. 410,447; Nov. 28; Serial No. 462,305; published Mar. 28, 1944. Class 46.

Continental Lithograph Corporation, Cleveland, Ohio. Lacquer coated sheet metal. 410,439; Nov. 28; Serial No. 457,720; published Sept. 12, 1944. Class 14.

Copa Sales Company. (See Co-Operative Olive Products Association, Inc.)

Coro, Inc., New York, N. Y. Necklaces, bracelets, not including watches, ear rings, jewelry clips, brooches, lockets. 410,479; Nov. 28; Serial No. 469,926; published Sept. 19, 1944. Class 28.

Cranberry Canners, Inc. (See United Cape Cod Cranberry Company, The, assignor.)

Crofut & Knapp Company, The, New York, N. Y., assignor, by mesne assignments, to Hat Corporation of America, Norwalk, Conn. Hats and caps. 196,793; renewed Mar. 31, 1945.

Cubbison's Food Products Co. (See Cubbison, Sophie C.)

Cubbison, Sophie C., doing business as Cubbison's Food Products Co., Los Angeles, Calif. Food-seasoning compound. 410,539; Nov. 28. Class 46.

Cumberland Tobacco Works, Nashville, Tenn. Plug, twist, and smoking tobacco. 196,447; renewed Mar. 17, 1945.

Cutaway Harrow Company, Higganum, assignor to Orkil Incorporated, Hartford, Higganum, Conn. Harrows, plows, cultivators, etc. 25,802; re-renewed Jan. 1, 1945.

Cutler-Lobingier Packing Company, Ontario, assignor, by mesne assignments, to Mel-Williams Company, San Francisco, Calif. Canned fruits and canned vegetables. 196,857; renewed Mar. 31, 1945.

Dairy Laboratories, The, Philadelphia, Pa. Cultures for making starter in the manufacture of buttermilk, butter, sour cream, etc. 191,831; renewed Nov. 18, 1944.

Darrah, Lydia, Candy Shops, Inc., assignor, by mesne assignments, to Henry Jung, Minneapolis, Minn. Candies. 189,215; renewed Sept. 16, 1944.

Day-Brite Lighting, Inc., St. Louis, Mo. Hangers. 410,527; Nov. 28; Serial No. 472,185; published Sept. 19, 1944. Class 21.

Dennison Manufacturing Company, Framingham, Mass. Bi-monthly magazine. 196,644; renewed Mar. 24, 1945.

Dennison Manufacturing Company, Framingham, Mass. Quarterly magazine. 196,645; renewed Mar. 24, 1945.

Diaperwite Company. (See Alshin, Joel.)

Diaperwite, Inc. (See Alshin, Joel, assignor.)

Diebold, Incorporated, Canton, Ohio. Business bookkeeping, filing, and posting record equipment. 410,470; Nov. 28; Serial No. 468,320; published Sept. 19, 1944. Class 37.

Dillon, D. C., & Company. (See Dillon, Daniel C., Jr.)

Dillon, Daniel C., Jr., doing business as D. C. Dillon & Company, Irvington, N. J. Safety razor and container units. 410,498; Nov. 28; Serial No. 470,784; published Sept. 19, 1944. Class 23.

Domestic Industries, Inc., Chicago, Ill. Magazine. 410,512; Nov. 28; Serial No. 471,389; published Sept. 19, 1944. Class 38.

Dow Chemical Company, The, Midland, Mich. Plastic composition. 410,540; Nov. 28. Class 6.

Duofold Health Underwear Company, Mohawk, N. Y., by change of name to Duofold Inc. Knitted underwear. 195,873; renewed Mar. 3, 1945.

Duofold Inc. (See Duofold Health Underwear Company.)

Durkee Marine Products Corporation, Grasmere, Staten Island, N. Y. Yacht blocks, bullet blocks, shackle blocks, wire rope pulleys, screweye blocks. 410,494; Nov. 28; Serial No. 470,565; published Sept. 19, 1944. Class 23.

Eisenlohr, Webster, Inc., New York, N. Y. Smoking tobacco. 410,481; Nov. 28; Serial No. 470,055; published Sept. 19, 1944. Class 17.

El Camino Citrus Association of Claremont, also doing business as El Camino Citrus Association, Claremont, Calif. Fresh citrus fruits. 410,546; Nov. 28. Class 46.

El Camino Citrus Association. (See El Camino Citrus Association of Claremont.)

Electronic Mechanics, Inc., Clifton, N. J. Electrical insulating material. 410,446; Nov. 28; Serial No. 462,050; published Sept. 19, 1944. Class 21.

Esmond Mills, Inc. (See Esmond Mills, The, assignor.)

Esmond Mills, The, assignor to The Esmond Mills, Inc., Esmond, Smithfield, R. I. Textile blankets. 196,895; renewed Mar. 31, 1945.

Falk Products Co., Inc., Cadillac, Mich. Scientific blend of gelatinized wheat flour, salt and vegetable lecthins. 410,459; Nov. 28; Serial No. 465,797; published May 30, 1944. Class 46.

Falk Products Co., Inc., Cadillac, Mich. Yeast, nutrient salts, carbohydrates, etc. 410,460; Nov. 28; Serial No. 465,798; published Feb. 15, 1944. Class 46.

Falk Products Co., Inc., Cadillac, Mich. Scientific blend of gelatinized wheat flour, salt and vegetable lecthins. 410,461; Nov. 28; Serial No. 465,801; published May 30, 1944. Class 46.

Farber, John D., doing business as Briggs Bituminous Composition Co., Philadelphia, Pa. Crude coal tar. 410,524; Nov. 28; Serial No. 472,051; published Sept. 19, 1944. Class 1.

Flex-Abrasive Company, Chicago, Ill. Abrasive wheels, point, and cones. 410,440; Nov. 28; Serial No. 460,292; published Sept. 19, 1944. Class 4.

Franklin Railway Supply Company, assignor to Franklin Railway Supply Company, Inc., New York, N. Y. Fire doors. 194,008; renewed Jan. 13, 1945.

Franklin Railway Supply Company, Inc. (See Franklin Railway Supply Company, assignor.)

Geidel Canneries, Inc., Adell, Wis. Canned vegetables. 410,544; Nov. 28. Class 46.

Goldberg, Milton B., Camden, N. J. Perfumes. 410,480; Nov. 28; Serial No. 470,029; published Sept. 12, 1944. Class 6.

Goldware, Ben, Omaha, Nebr. Admixture of rubber and comminuted particles of cork. 410,477; Nov. 28; Serial No. 469,596; published July 4, 1944. Class 50.

Green Duck Metal Stamping Company, Chicago, Ill. Base metal or composition emblems and insignia. 410,513–14; Nov. 28; Serial Nos. 471,398–9; published Sept. 19, 1944. Class 50.

Gulden, Charles, Inc., New York, N. Y. Mustard and salad dressing. 196,989; renewed Apr. 7, 1945.

Harris, J. E., Company, The, Wooster, Ohio. Ready-mixed enamel paints. 410,528; Nov. 28; Serial No. 472,205; published Sept. 19, 1944. Class 16.

Hartley, Wm. P., Limited. (See Hartley, Wm. P., (London & Aintree) Limited, assignor.)

Hartley, Wm. P., (London & Aintree) Limited, Aintree, Liverpool, and London, assignor to Wm. P. Hartley Limited, Aintree, Liverpool, and London, England. Jams, fruit preserves, vegetable preserves, etc. 195,986; renewed Mar. 10, 1945.

Harvey, G. F., Company, The, Saratoga Springs, N. Y. Medicinal preparation. 410,504; Nov. 28; Serial No. 471,082; published Sept. 12, 1944. Class 6.

Hat Corporation of America. (See Crofut & Knapp Company, The, assignor.)

Hawley & Hoops, New York, N. Y. Candy. 197,338; renewed Apr. 14, 1945.

Hearst Corporation, The. (See King Features Syndicate, Inc.)

Hillyard Chemical Company, St. Joseph, Mo. Liquid floor dressing. 410,525; Nov. 28; Serial No. 472,058; published Sept. 12, 1944. Class 16.

Island Creek Coal Company, Portland, Maine, and Huntington, to Island Creek Coal Company, Huntington, W. Va. Coal. 191,978; renewed Nov. 25, 1944.

J N T Mfg. Company Inc., New York, N. Y. Fabric, upholstery and rug cleaner; and spot remover. 410,462; Nov. 28; Serial No. 466,165; published Sept. 19, 1944. Class 4.

Jung, Henry. (See Darrah, Lydia, Candy Shops, assignor.)

Keil, Francis, & Son, Inc. (See Keil, Francis, & Son.)

Keil, Francis, & Son, to Francis Keil & Son, Inc., New York, N. Y., successor. Locks, hinges, bells, etc. 26,389; re-renewed Apr. 9, 1945.

King Features Syndicate, Inc., by merger to The Hearst Corporation, New York, N. Y. Newspaper section. 190,650; renewed Oct. 21, 1944.

King Features Syndicate, Inc., by merger to The Hearst Corporation, New York, N. Y. Newspaper cartoon. 190,651; renewed Oct. 21, 1944.

King Features Syndicate, Inc., by merger to The Hearst Corporation, New York, N. Y. Newspaper section. 190,655; renewed Oct. 21, 1944.

King Features Syndicate, Inc., by merger to The Hearst Corporation, New York, N. Y. Newspaper section. 190,664; renewed Oct. 21, 1944.

King Features Syndicate, Inc., by merger to The Hearst Corporation, New York, N. Y. Newspaper cartoon. 190,665; renewed Oct. 21, 1944.

Kirro Importers, New York, N. Y. Handbags. 410,485; Nov. 28; Serial No. 470,199; published Sept. 19, 1944. Class 3.
Kohnstamm, H., & Co., Inc., New York, N. Y. Powdered soap. 194,744; renewed Mar. 24, 1945.
Kohnstamm, H., & Co., Inc., New York, N. Y. Soap. 196,862; renewed Mar. 31, 1945.
La-Bo-Jel Laboratories. (See Physicians & Hospitals Supply Company, Inc.)
Laboratory Products Company, The, Cleveland, Ohio, assignor, by mesne assignments, to S. M. A. Corporation, Jersey City, N. J. Soluble milk protein in powder form. 194,336; renewed Jan. 20, 1945.
Lavo Company of America, Milwaukee, Wis. Cleaning preparation. 410,545; Nov. 28. Class 4.
Le Roi Company, West Allis, Wis. Internal combustion engines, air or gas compressors, and parts thereof. 410,502; Nov. 28; Serial No. 470,890; published Sept. 19, 1944. Class 23.
Lincoln Electric Company, The, Cleveland, Ohio. Fluxing and coating materials. 410,493; Nov. 28; Serial No. 470,506; published Aug. 22, 1944. Class 6.
Lindgren, Chas. J., doing business as Tricosal Company, San Francisco and Los Angeles, Calif. Detergent preparation in powder form. 410,469; Nov. 28; Serial No. 468,264; published Sept. 19, 1944. Class 4.
Longines-Wittnauer Watch Co. Inc. (See Wittnauer, A., Co.)
Lyon Rural Electric Company, San Diego, Calif. Machines for trimming the upper beaks and wing tips of fowl. 410,515; Nov. 28; Serial No. 471,452; published Sept. 19, 1944. Class 44.
Martin, Glenn L., Company, The, Middle River, Md. Plastic composition of matter in powdered, liquid and solid form. 410,472; Nov. 28; Serial No. 468,677; published Sept. 19, 1944. Class 1.
Marble, John H., Grandview, Wash. Fresh vegetables. 410,542; Nov. 28. Class 46.
Mattei, Andrew, assignor to Alta Vineyards Company, Fresno, Calif. Fresh and dried fruits. 195,402; renewed Feb. 24, 1945.
McKenzie Milling Co., McKenzie, assignor to Model Mill Company, Inc., Jackson, Tenn. Wheat flour and corn meal. 195,832; renewed Mar. 3, 1945.
McNeely Company, Philadelphia, Pa., assignor to Allied Kid Company, Boston, Mass. Leathers. 190,830; renewed Oct. 28, 1944.
Mc Vitie & Price, Edinburgh, to Mc Vitie & Price, Limited, Edinburgh, Scotland, and London, England, successor. Cakes, biscuits, bread, and confectionery. 25,592; re-renewed Dec. 4, 1944.
McVitie & Price, Limited. (See Mc Vitie & Price.)
Mel-Williams Company. (See Cutler-Lobingier Packing Company, assignor.)
Messing, Arthur J., New York, N. Y. Market opinions. 410,503; Nov. 28; Serial No. 471,043; published Sept. 19, 1944. Class 38.
Michigan Bleach and Chemical Company, Detroit, Mich. Adhesive polishing wheel cement. 410,507; Nov. 28; Serial No. 471,192; published Sept. 19, 1944. Class 5.
Miller Publishing Company, The, Minneapolis, Minn. Monthly magazine. 196,588; renewed Mar. 24, 1945.
Miller Publishing Company, The, Minneapolis, Minn. Weekly magazine. 196,911; renewed Mar. 31, 1945.
Model Mill Company, Inc. (See McKenzie Milling Co., assignor.)
Montague City Rod Co., Montague City, Mass., Brooklyn, N. Y., and Amherst, by change of name to Montague Rod and Reel Company, Montague City, Mass. Fishing rods and reels. 194,720; renewed Feb. 10, 1945.
Montague City Rod Co., Montague City and Amherst, Mass., and Brooklyn, N. Y., by change of name to Montague Rod and Reel Company, Montague City, Mass. Fishing rods and reels. 196,013; renewed Mar. 10, 1945.
Montague Rod and Reel Company. (See Montague City Rod Co.)
Muckerjee, John, doing business as Thymo Borino Laboratory, assignor to Thymo Borine Laboratory, Milwaukee, Wis. Medicinal preparation used as an astringent, deodorant, and antiseptic lotion. 190,417; renewed Oct. 14, 1944.
Myer 1890 Bottling Co. Inc., New York, N. Y. Non-alcoholic, non-cereal, maltless beverages. 410,489; Nov. 28; Serial No. 470,459; published Sept. 19, 1944. Class 45.
National Battery Company, St. Paul, Minn. Storage batteries. 410,543; Nov. 28. Class 21.
National Forge and Ordnance Company, Irvine, Pa. All types of flat die hammered and pressed, steel forgings, heavy duty steel forgings, etc. 410,471; Nov. 28; Serial No. 468,533; published Sept. 12, 1944. Class 14.
National Wax Company, Chicago, Ill. Compounded petroleum wax. 410,490; Nov. 28; Serial No. 470,462; published Sept. 12, 1944. Class 6.
Neville Company, The, Neville Island, Pittsburgh, Pa. Aromatic hydrocarbon liquids. 410,518; Nov. 28; Serial No. 471,750; published Sept. 19, 1944. Class 16.
Newark Morning Ledger Company, The, Newark, N. J. Newspaper column. 410,516; Nov. 28; Serial No. 471,678; published Sept. 19, 1944. Class 38.
New Jersey Zinc Company, The, New York, N. Y. Metal powder. 410,531; Nov. 28; Serial No. 472,530; published Sept. 19, 1944. Class 14.
New Martinsville Glass Company, New Martinsville, W. Va., now by change of name to Viking Glass Company. Glass bookends. 410,466; Nov. 28; Serial No. 467,353; published Sept. 12, 1944. Class 32.
New Martinsville Glass Company, New Martinsville, W. Va., now by change of name Viking Glass Company. Glass articles. 410,467; Nov. 28; Serial No. 467,355; published Sept. 12, 1944. Class 50.
Norton Company, Worcester, Mass. Oilstones. 196,641; renewed Mar. 24, 1945.
Nuodex Products Co., Inc., Elizabeth, N. J. Writing ink, printing ink, lithographing ink, and driers therefor. 410,530; Nov. 28; Serial No. 472,430; published Sept. 19, 1944. Class 11.
Olsen Publishing Co., The, Milwaukee, Wis. Periodical publication. 410,491; Nov. 28; Serial No. 470,464; published Sept. 5, 1944. Class 38.
Orkil Incorporated. (See Cutaway Harrow Company, assignor.)
Packing Products Company, New York, N. Y. Butter, cheese, and eggs. 410,436; Nov. 28; Serial No. 440,209; published Dec. 28, 1943. Class 46.
Pennstate Cigar Corporation, Philadelphia, Pa. Cigars. 410,534; Nov. 28. Class 17.
Permoflux Corporation, Chicago, Ill. Permanent magnet dynamic transducers. 410,450; Nov. 28; Serial No. 464,951; published Sept. 19, 1944. Class 21.
Permoflux Corporation, Chicago, Ill. Permanent magnet dynamic transducers. 410,463; Nov. 28; Serial No. 466,740; published Sept. 19, 1944. Class 21.
Phillips, Ed., & Sons Co., Minneapolis, Minn. Wines. 410,442; Nov. 28; Serial No. 461,771; published Sept. 19, 1944. Class 47.
Physicians' Drug & Supply Co., Philadelphia, Pa. Sedatives and tonics. 410,468; Nov. 28; Serial No. 468,155; published Sept. 12, 1944. Class 6.
Physicians & Hospitals Supply Company, Inc., doing business as La-Bo-Jel Laboratories, Minneapolis, Minn. Pharmaceutical preparation. 410,456; Nov. 28; Serial No. 465,561; published Sept. 12, 1944. Class 6.
Pittsburgh Plate Glass Company, Pittsburgh, Pa. Polymerizable synthetic resin-forming materials. 410,509; Nov. 28; Serial No. 471,282; published Aug. 29, 1944. Class 1.
Publishers Syndicate, Chicago, Ill. Cartoons. 410,495–6; Nov. 28; Serial Nos. 470,673–4; published Sept. 19, 1944. Class 38.
Publishers Syndicate, Chicago, Ill. Comic strip. 410,517; Nov. 28; Serial No. 471,683; published Sept. 19, 1944. Class 38.
Rains, S. E., Company. (See Rains, Solomon E.)
Rains, S. E., Co. Inc. (See Rains, Solomon E., assignor.)
Rains, Solomon E., doing business as S. E. Rains Company, assignor to S. E. Rains Co. Inc., New York, N. Y. Kerchiefs and handkerchiefs. 197,045; renewed Apr. 17, 1945.
Rewl Publications, Inc., New York, N. Y. Magazine published periodically. 410,497; Nov. 28; Serial No. 470,737; published Sept. 19, 1944. Class 38.
Rice, Jerome B., Seed Co. (See Associated Seed Growers, Inc.)
Robinson Packer Company, Tulsa, Okla. Packers and packer parts, plugs, swabs, and swab parts, etc. 197,002; renewed Apr. 7, 1945.
Roddenbery Brothers, Cairo, Ga. Table sirup. 197,035; renewed Apr. 7, 1945.
Rosenholz, J., Inc., New York, N. Y. Rayon piece goods, cotton piece goods, and combinations of the same. 410,541; Nov. 28. Class 42.
Roto Plow Company, Mound, Minn. Snow plow. 410,488; Nov. 28; Serial No. 470,391; published Sept. 19, 1944. Class 23.
Roxalin Flexible Finishes, Inc., Elizabeth, N. J. Chemical compositions for flameproofing, fireproofing, etc. 410,473; Nov. 28; Serial No. 469,021; published Sept. 12, 1944. Class 6.
S. M. A. Corporation. (See Laboratory Products Company, The, assignor.)
Schenley Distilleries, Inc., New York, N. Y. Distillers dried grains. 410,532; Nov. 28; Serial No. 472,606; published Sept. 19, 1944. Class 46.
Schilling, J. L., Company, The, New York, N. Y. Toy airplanes. 410,487; Nov. 28; Serial No. 470,354; published Sept. 19, 1944. Class 22.
Scholl Mfg. Co. Inc., The, Chicago, Ill. Protective bandage for cuts, scratches, blisters, etc. 410,536; Nov. 28. Class 44.
Silver, Chas. B., & Son, Havre de Grace, Md. Canned foods. 410,474; Nov. 28; Serial No. 469,135; published Sept. 19, 1944. Class 46.
Smallman, I., & Sons, Garfield, N. J., and New York, N. Y. Billfolds, wallets, key cases, etc. 410,549; Nov. 28. Class 3.
Snyder, Jno. C. F., & Sons, assignor to Jno. C. F. Snyder & Sons, Inc., Philadelphia, Pa. Sweeping compound. 196,725; renewed Mar. 24, 1945.
Snyder, Jno. C. F., & Sons, Inc. (See Snyder, Jno. C. F., & Sons, assignor.)
Stafford, Lilly J., Gowanda, N. Y. Combined hoes. 192,920; renewed Dec. 16, 1944.

Steinberger Bros., Inc., New York, N. Y. Yarn. 196,930; renewed Mar. 31, 1945.
Storey, Daniel H., Wausau, Wis. Paper balers. 410,492; Nov. 28; Serial No. 470,470; published Sept. 19, 1944. Class 23.
Street & Smith Publications, Inc., New York, N. Y. Column in a periodical published at intervals. 410,475; Nov. 28; Serial No. 469,171; published Sept. 19, 1944. Class 38.
Street & Smith Publications, Inc., New York, N. Y. Column in a periodical. 410,526; Nov. 28; Serial No. 472,161; published Sept. 19, 1944. Class 38.
Strohmeyer & Arpe Company, New York, N. Y. Edible oils. 196,893; renewed Mar. 31, 1945.
Strong, Cobb and Company, Inc., Cleveland, Ohio. Alterative tonic-diuretic and urinary antiseptic composition. 410,547; Nov. 28. Class 6.
Sun Oil Company, Philadelphia, Pa. Hydrocarbon motor fuel and hydrocarbon constituent for motor fuel. 410,457; Nov. 28; Serial No. 465,721; published Sept. 19, 1944. Class 15.
Thomsen-Ellis-Hutton Co., Baltimore, Md. Printed material. 410,499; Nov. 28; Serial No. 470,825; published Sept. 19, 1944. Class 38.
Thymo Borine Laboratory. (See Muckerjee, John.)
Titeflex, Inc., Newark, N. J. Radio shielding conduit and fittings and high frequency transmission conduit. 410,482; Nov. 28; Serial No. 470,159; published Sept. 19, 1944. Class 21.
Titeflex, Inc., Newark, N. J. Metal conduit shielding for ignition conductors, assemblies of metal conduit shielding with ignition conductors and terminals, and attachments therefor. 410,483; Nov. 28; Serial No. 470,160; published Sept. 19, 1944. Class 21.
Titeflex, Inc., Newark, N. J. Ignition shielding harnesses and parts. 410,484; Nov. 28; Serial No. 470,161; published Sept. 19, 1944. Class 21.
Tricosal Company. (See Lindgren, Chas. J.)
Trident Manufacturing Co. (See Cabot, Claire M.)
Tung-Sol Lamp Works, Inc., Newark, N. J. Combined reflector and electric lamp units, electric head lamps. 410,505; Nov. 28; Serial No. 471,173; published Sept. 19, 1944. Class 21.
Turners Asbestos Cement Company Limited. (See Asbestos & Electrical Fittings Co. Ltd., assignor.)
United Cape Cod Cranberry Company, The, Boston and South Hanson, assignor, by mesne assignments, to Cranberry Canners, Inc., Hanson, Mass. Canned cranberries. 196,795; renewed Mar. 31, 1945.
United Cigar-Whelan Stores Corporation, New York, N. Y. Brushes. 410,453; Nov. 28; Serial No. 465,089; published Sept. 19, 1944. Class 29.
United Cigar-Whelan Stores Corporation, New York, N. Y. Cotton applicators, absorbent and surgical cotton and gauze bandages. 410,454; Nov. 28; Serial No. 465,091; published Sept. 19, 1944. Class 44.
United Cigar-Whelan Stores Corporation, New York, N. Y. Hot water bottles, rubber syringes, fountain syringes, etc. 410,455; Nov. 28; Serial No. 465,092; published Sept. 19, 1944. Class 44.
Universal Concrete Pipe Company, Columbus, Ohio. House organ. 410,441; Nov. 28; Serial No. 461,353; published Sept. 19, 1944. Class 38.
Van Damm, Louis, Orange, N. J. Shoe cleaner preparations. 410,548; Nov. 28. Class 4.
Vaughan's Seed Store, Chicago, Ill. Natural lilies. 410,522; Nov. 28; Serial No. 471,961; published Sept. 19, 1944. Class 1.
Viking Glass Company. (See New Martinsville Glass Company.)
Waples Platter Company. (See Waples-Platter Grocer Co.)
Waples-Platter Grocer Co., Fort Worth, Tex., by change of name to Waples Platter Company. Canned, bottled, and packaged food products, and sorghum and fruit jam, etc. 196,741; renewed Mar. 24, 1945.
Warren, Northam, Corporation, New York, N. Y., to Northam Warren Corporation, Stamford, Conn. Manicure sets. 194,144; renewed Jan. 13, 1945.
Warren, Northam, Corporation, New York, N. Y. to Northam Warren Corporation, Stamford, Conn. Cuticle removers, nail white, nail polish, etc. 195,401; renewed Feb. 25, 1945.
Weideman Company, The, Cleveland, Ohio. Canned fruits, canned vegetables, coffee, etc. 196,978; renewed Apr. 7, 1945.
Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Wire coils for electrical apparatus. 410,529; Nov. 28; Serial No. 472,373; published Sept. 19, 1944. Class 21.
White, S. S., Dental Manufacturing Company, The, Philadelphia, Pa. Tooth paste, mouth wash, and tooth powder. 410,511; Nov. 28; Serial No. 471,324; published Sept. 12, 1944. Class 6.
Whiting Milk Company, Charlestown, Mass. Cheese. 410,537; Nov. 28. Class 46.
Wilbur & Williams Company, The, Boston, Mass. Paints, enamels, lacquers, etc. 410,478; Nov. 28; Serial No. 469,800; published Sept. 19, 1944. Class 16.
Wilson-Imperial Company, Newark, N. J. Paint, varnish, enamel or lacquer remover. 410,533; Nov. 28; Serial No. 474,261. Class 16.
Winslow, Rainsford J., Denver, Colo. Newspaper column. 410,458; Nov. 28; Serial No. 465,726; published Sept. 19, 1944. Class 38.
Wittnauer, A., Co., New York, N. Y., by change of name to Longines-Wittnauer Watch Co. Inc. Watches. 174,651; renewed Oct. 23, 1943.
Zenith Radio Corporation, Chicago, Ill. Electrical hearing aids and parts thereof. 410,464; Nov. 28; Serial No. 466,966; published Sept. 19, 1944. Class 44.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. Island Creek Coal Company. 191,978; renewed Nov. 25, 1944.
Coal tar, Crude. J. D. Farber. 410,524; Nov. 28; Serial No. 472,051; published Sept. 19, 1944.
Leathers. McNeely Company. 190,830; renewed Oct. 28, 1944.
Lilies, Natural. Vaughan's Seed Store. 410,522; Nov. 28; Serial No. 471,961; published Sept. 19, 1944.
Plastic composition of matter in powdered, liquid, and solid form. Glenn L. Martin Company. 410,472; Nov. 28; Serial No. 468,677; published Sept. 19, 1944.
Resin-forming materials, Polymerizable synthetic. Pittsburgh Plate Glass Company. 410,509; Nov. 28; Serial No. 471,282; published Aug. 29, 1944.
Seeds, Flower. Associated Seed Growers, Inc. 410,452; Nov. 28; Serial No. 465,060; published Sept. 19, 1944.
Seeds, Vegetable. Associated Seed Growers, Inc. 410,451; Nov. 28; Serial No. 465,059; published Sept. 19, 1944.

CLASS 3

Billfolds, wallets, key cases, etc. I. Smallman & Sons. 410,549; Nov. 28.
Handbags. Kirro Importers. 410,485; Nov. 28; Serial No. 470,199; published Sept. 19, 1944.

CLASS 4

Cleaner, and spot remover, Fabric, upholstery, and rug. J N T Mfg. Company Inc. 410,462; Nov. 28; Serial No. 466,165; published Sept. 19, 1944.
Cleaner, Denture. S. Amanta. 410,486; Nov. 28; Serial No. 470,253; published Sept. 19, 1944.
Cleaning preparation. Lavo Company of America. 410,545; Nov. 28.
Cleaning preparations, Water softening. J. Alshin. 410,538; Nov. 28.
Detergent preparation in powder form. C. J. Lindgren. 410,469; Nov. 28; Serial No. 468,264; published Sept. 19, 1944.
Mist preventer and cleaner for glass, Combined non-freezing. C. M. Cabot. 410,445; Nov. 28; Serial No. 462,046; published Sept. 19, 1944.
Oilstones. Norton Company. 196,641; renewed Mar. 24, 1945.
Polish, Gold and silver. C. M. Cabot. 410,443; Nov. 28; Serial No. 462,044; published Sept. 19, 1944.
Shoe cleaner preparations. L. Van Damm. 410,548; Nov. 28.
Soap. H. Kohnstamm & Co. 196,862; renewed Mar. 31, 1945.
Soap in liquid form, Toilet. Antiseptol Company. 410,500; Nov. 28; Serial No. 470,876; published Sept. 19, 1944.
Soap, Powdered. H. Kohnstamm & Co. 196,744; renewed Mar. 24, 1945.
Sweeping compound. Jno. C. F. Snyder & Sons. 196,725; renewed Mar. 24, 1945.
Wheels, points and cones, Abrasive. Flex-Abrasive Company. 410,440; Nov. 28; Serial No. 460,292; published Sept. 19, 1944.

CLASS 5

Wheel cement, Adhesive polishing. Michigan Bleach and Chemical Company. 410,507; Nov. 28; Serial No. 471,192; published Sept. 19, 1944.

CLASS 6

Bay rum, bath crystals, compact face powder, etc. W. B. Cartwright, Limited. 194,833; renewed Feb. 10, 1945.
Chemical compositions for flameproofing, fireproofing, etc. Roxalin Flexible Finishes, Inc. 410,473; Nov. 28; Serial No. 469,021; published Sept. 12, 1944.
Cuticle removers, nail white, nail polish, etc. Northam Warren Corporation. 195,401; renewed Feb. 24, 1945.
Fluxing and coating materials. Lincoln Electric Company. 410,493; Nov. 28; Serial No. 470,506; published Aug. 22, 1944.
Medicinal preparation. G. F. Harvey Company. 410,504; Nov. 28; Serial No. 471,082; published Sept. 12, 1944.

Medicinal preparation used as an astringent, deodorant, and antiseptic lotion. J. Muckerjee. 190,417; renewed Oct. 14, 1944.
Perfumes. M. B. Goldberg. 410,480; Nov. 28; Serial No. 470,029; published Sept. 12, 1944.
Pharmaceutical preparation. Physicians & Hospitals Supply Company. 410,456; Nov. 28; Serial No. 465,561; published Sept. 12, 1944.
Plastic composition. Dow Chemical Company. 410,540; Nov. 28.
Sedatives and tonics. Physicians' Drug & Supply Co. 410,468; Nov. 28; Serial No. 468,155; published Sept. 12, 1944.
Tonic-diuretic and urinary antiseptic composition, Alterative. Strong, Cobb and Company, Inc. 410,547; Nov. 28.
Tooth paste, mouth wash, and tooth powder. S. S. White Dental Manufacturing Company. 410,511; Nov. 28; Serial No. 471,324; published Sept. 12, 1944.
Wax, Compounded petroleum. National Wax Company. 410,490; Nov. 28; Serial No. 470,462; published Sept. 12, 1944.

CLASS 11

Ink, printing ink, lithographing ink and driers therefor, Writing. Nuodox Products Co. 410,530; Nov. 28; Serial No. 472,430; published Sept. 19, 1944.
Paper and typewriter ribbons, Carbon. Codo Manufacturing Corp. 410,438; Nov. 28; Serial No. 457,381; published June 6, 1944.

CLASS 13

Locks, hinges, bells, etc. Francis Keil & Son. 26,389; re-renewed Apr. 9, 1945.

CLASS 14

Metal powder. New Jersey Zinc Company. 410,531; Nov. 28; Serial No. 472,530; published Sept. 19, 1944.
Sheet metal, Lacquer coated. Continental Lithograph Corporation. 410,439; Nov. 28; Serial No. 457,720; published Sept. 12, 1944.
Steel forgings, heavy duty steel forgings, etc., All types of flat die hammered and pressed. National Forge and Ordnance Company. 410,471; Nov. 28; Serial No. 468,533; published Sept. 12, 1944.

CLASS 15

Fuel and hydrocarbon constituent for motor fuel, Hydrocarbon motor. Sun Oil Company. 410,457; Nov. 28; Serial No. 465,721; published Sept. 19, 1944.
Grease, Acid resistant lubricating. Chemotek Manufacturing Company. 410,520; Nov. 28; Serial No. 471,940; published Sept. 19, 1944.
Grease, Alkali resistant lubricating. Chemotek Manufacturing Company. 410,521; Nov. 28; Serial No. 471,941; published Sept. 19, 1944.
Grease, Heat resistant lubricating. Chemotek Manufacturing Company. 410,519; Nov. 28; Serial No. 471,939; published Sept. 19, 1944.

CLASS 16

Cleaning and polishing compound. F. W. Boyde. 410,465; Nov. 28; Serial No. 467,121; published Sept. 12, 1944.
Cleaning and polishing preparations. C. M. Cabot. 410,444; Nov. 28; Serial No. 462,045; published Sept. 19, 1944.
Floor dressing, Liquid. Hillyard Chemical Company. 410,525; Nov. 28; Serial No. 472,058; published Sept. 12, 1944.
Hydrocarbon liquids, Aromatic. Neville Company. 410,518; Nov. 28; Serial No. 471,750; published Sept. 19, 1944.
Paints, enamels, lacquers, etc. Wilbur & Williams Company. 410,478; Nov. 28; Serial No. 469,800; published Sept. 19, 1944.
Paints, Ready-mixed enamel. J. E. Harris Company. 410,528; Nov. 28; Serial No. 472,205; published Sept. 19, 1944.
Remover, Paint, varnish, enamel or lacquer. Wilson-Imperial Company. 410,533; Nov. 28; Serial No. 474,261.

CLASS 17

Cigars. Pennstate Cigar Corporation. 410,534; Nov. 28.
Tobacco, Plug, twist and smoking. Cumberland Tobacco Works. 196,447; renewed Mar. 17, 1945.
Tobacco, Smoking. Webster Eisenlohr, Inc. 410,481; Nov. 28; Serial No. 470,055; published Sept. 19, 1944.

CLASS 21

Batteries, Storage. National Battery Company. 410,543; Nov. 28.
Coils for electrical apparatus, Wire. Westinghouse Electric & Manufacturing Company. 410,529; Nov. 28; Serial No. 472,373; published Sept. 19, 1944.
Composition consisting principally of asbestos for use for electrical insulation. Asbestos & Electrical Fittings Co. Ltd. 191,604; renewed Nov. 11, 1944.
Electrical insulating material. Electronic Mechanics, Inc. 410,446; Nov. 28; Serial No. 462,050; published Sept. 19, 1944.
Hangers. Day-Brite Lighting, Inc. 410,527; Nov. 28; Serial No. 472,185; published Sept. 19, 1944.
Harnesses and parts, Ignition shielding. Titeflex, Inc. 410,484; Nov. 28; Serial No. 470,161; published Sept. 19, 1944.
Locks, hinges, bells, etc. Francis Keil & Son. 26,389; re-renewed Apr. 9, 1945.
Metal conduit shielding for ignition conductors, assemblies of metal conduit shielding with ignition conductors, and terminals, and attachments therefor. Titeflex, Inc. 410,483; Nov. 28; Serial No. 470,160; published Sept. 19, 1944.
Radio shielding conduit and fittings and high frequency transmission conduit. Titeflex, Inc. 410,482; Nov. 28; Serial No. 470,159; published Sept. 19, 1944.
Reflector and electric lamp units, electric head lamps, Combined. Tung-Sol Lamp Works, Inc. 410,505; Nov. 28; Serial No. 471,173; published Sept. 19, 1944.
Transducers, Permanent magnet dynamic. Permoflux Corporation. 410,450; Nov. 27; Serial No. 464,951; published Sept. 19, 1944.
Transducers, Permanent magnet dynamic. Permoflux Corporation. 410,463; Nov. 28; Serial No. 466,740; published Sept. 19, 1944.

CLASS 22

Rods and reels, Fishing. Montague City Rod Co. 194,720; renewed Feb. 10, 1945.
Rods and reels, Fishing. Montague City Rod Co. 196,013; renewed Mar. 10, 1945.
Toy airplanes. J. L. Schilling Company. 410,487; Nov. 28; Serial No. 470,354; published Sept. 19, 1944.

CLASS 23

Balers, Paper. D. H. Storey. 410,492; Nov. 28; Serial No. 470,470; published Sept. 19, 1944.
Devices for spraying insecticides and garden spray. American Specialty Company. 410,476; Nov. 28; Serial No. 469,319; published Sept. 19, 1944.
Engines, air or gas compressors, and parts thereof, Internal combustion. Le Roi Company. 410,502; Nov. 28; Serial No. 470,890; published Sept. 19, 1944.
Engines, Internal combustion aircraft. Aviation Manufacturing Corporation. 410,435; Nov. 28; Serial No. 431,478; published July 29, 1941.
Harrows, plows, cultivators, etc. Cutaway Harrow Company. 25,802; re-renewed Jan. 1, 1945.
Hoes, Combined. L. J. Stafford. 192,920; renewed Dec. 16, 1944.
Hoists, winches, and parts thereof. Chisholm-Moore Hoist Corporation. 410,449; Nov. 28; Serial No. 464,745; published Sept. 19, 1944.
Jacks, Automobile. Auto Specialties Manufacturing Company. 410,448; Nov. 28; Serial No. 462,742; published Sept. 19, 1944.
Packers and packer parts, plugs, swabs, and swab parts, etc. Robinson Packer Company. 197,002; renewed Apr. 7, 1945.
Plow, Snow. Roto Plow Company. 410,488; Nov. 28; Serial No. 470,391; published Sept. 19, 1944.
Razor and container units, Safety. D. C. Dillon, Jr. 410,498; Nov. 28; Serial No. 470,784; published Sept. 19, 1944.
Yacht blocks, bullet blocks, shackle blocks, wire rope pulleys, screweye blocks. Durkee Marine Products Corporation. 410,494; Nov. 28; Serial No. 470,565; published Sept. 19, 1944.

CLASS 25

Locks, hinges, bells, etc. Francis Keil & Son. 26,389; re-renewed Apr. 9, 1945.

CLASS 26

Cinematographic and photographic apparatus and accessories thereto. J. Bolsey. 410,510; Nov. 28; Serial No. 471,300; published Sept. 19, 1944.

CLASS 27

Watches. A. Wittnauer Co. 174,651; renewed Oct. 23, 1943.

CLASS 28

Necklaces, bracelets, not including watches, ear rings, jewelry clips, brooches, lockets. Coro, Inc. 410,479; Nov. 28; Serial No. 469,926; published Sept. 19, 1944.

CLASS 29

Brushes. United Cigar-Whelan Stores Corporation. 410,453; Nov. 28; Serial No. 465,089; published Sept. 19, 1944.

CLASS 32

Glass bookends. New Martinsville Glass Company. 410,466; Nov. 28; Serial No. 467,353; published Sept. 12, 1944.

CLASS 34

Fire doors. Franklin Railway Supply Company. 194,008; renewed Jan. 13, 1945.

CLASS 36

Phonograph records. Brunswick Radio Corp. 410,501; Nov. 28; Serial No. 470,880; published Sept. 19, 1944.

CLASS 37

Record equipment, Business, bookkeeping, filing, and posting. Diebold, Incorporated. 410,470; Nov. 28; Serial No. 468,320; published Sept. 19, 1944.
Tissues, Facial. Avon Products, Inc. 410,535; Nov. 28.

CLASS 38

Cartoon, Newspaper. King Features Syndicate, Inc. 190,651; renewed Oct. 21, 1944.
Cartoon, Newspaper. King Features Syndicate, Inc. 190,665; renewed Oct. 21, 1944.
Cartoons. Publishers Syndicate. 410,495–6; Nov. 28; Serial Nos. 470,673–4; published Sept. 19, 1944.
Column in a periodical. Street & Smith Publications, Inc. 410,526; Nov. 28; Serial No. 472,161; published Sept. 19, 1944.
Column in a periodical published at intervals. Street & Smith Publications, Inc. 410,475; Nov. 28; Serial No. 469,171; published Sept. 19, 1944.
Column, Newspaper. R. J. Winslow. 410,458; Nov. 28; Serial No. 465,726; published Sept. 19, 1944.
Comic strip. Publishers Syndicate. 410,517; Nov. 28; Serial No. 471,683; published Sept. 19, 1944.
House organ. Universal Concrete Pipe Company. 410,441; Nov. 28; Serial No. 461,353; published Sept. 19, 1944.
Magazine. Domestic Industries, Inc. 410,512; Nov. 28; Serial No. 471,389; published Sept. 19, 1944.
Magazine, Bi-monthly. Dennison Manufacturing Company. 196,644; renewed Mar. 24, 1945.
Magazine, Monthly. Miller Publishing Company. 196,588; renewed Mar. 24, 1945.
Magazine published periodically. Rewl Publications, Inc. 410,497; Nov. 28; Serial No. 470,737; published Sept. 19, 1944.
Magazine, Quarterly. Dennison Manufacturing Company. 196,645; renewed Mar. 24, 1945.
Magazine, Weekly. Miller Publishing Company. 196,911; renewed Mar. 31, 1945.
Newspaper column. Newark Morning Ledger Company. 410,516; Nov. 28; Serial No. 471,678; published Sept. 19, 1944.
Newspaper section. King Features Syndicate, Inc. 190,650; renewed Oct. 21, 1944.
Newspaper section. King Features Syndicate, Inc. 190,664; renewed Oct. 21, 1944.
Newspaper section. King Features Syndicate, Inc. 190,655; renewed Oct. 21, 1944.
Opinions, Market. A. J. Messing. 410,503; Nov. 28; Serial No. 471,043; published Sept. 19, 1944.
Printed material. Thomsen-Ellis-Hutton Co. 410,499; Nov. 28; Serial No. 470,825; published Sept. 19, 1944.
Publication, Periodical. Olsen Publishing Co. 410,491; Nov. 28; Serial No. 470,464; published Sept. 5, 1944.

CLASS 39

Gloves and mittens. Boss Manufacturing Company. 194,413; renewed Jan. 27, 1945.
Hats and caps. Crofut & Knapp Company. 196,793; renewed Mar. 31, 1945.
Kerchiefs and handkerchiefs. S. E. Rains. 197,045; renewed Apr. 17, 1945.
Underwear, Knitted. Duofold Health Underwear Company. 195,873; renewed Mar. 3, 1945.

CLASS 42

Blankets, Texile. Esmond Mills. 196,895; renewed Mar. 31, 1945.
Rayon piece goods, cotton piece goods, and combinations of the same. J. Rosenholz, Inc. 410,541; Nov. 28.

CLASS 43

Yarn. Steinberger Bros. Inc. 196,930; renewed Mar. 31, 1945.

CLASS 44

Applicators, absorbent and surgical cotton and gauze bandages, Cotton. United Cigar-Whelan Stores Corporation. 410,454; Nov. 28; Serial No. 465,091; published Sept. 19, 1944.
Bandage for cuts, scratches, blisters, etc., Protective. Scholl Mfg. Co. Inc. 410,536; Nov. 28.
Bottles, rubber syringes, fountain syringes, etc., Hot water. United Cigar-Whelan Stores Corporation. 410,455; Nov. 28; Serial No. 465,092; published Sept. 19, 1944.
Hearing aids, and parts thereof, Electrical. Zenith Radio Corporation. 410,464; Nov. 28; Serial No. 466,966; published Sept. 19, 1944.
Machines for trimming the upper beaks and wing tips of fowl. Lyon Rural Electric Company. 410,515; Nov. 28; Serial No. 471,452; published Sept. 19, 1944.
Manicure sets. Northam Warren Corporation. 194,144; renewed Jan. 13, 1945.

CLASS 45

Beverages, Non-alcoholic, noncereal, maltless. Citrus Products Company. 410,506; Nov. 28; Serial No. 471,184; published Aug. 29, 1944.
Beverages, Non-alcoholic, non-cereal, maltless. Myer 1890 Bottling Co. Inc. 410,489; Nov. 28; Serial No. 470,459; published Sept. 19, 1944.
Beverages, syrups and extracts, Non-alcoholic. W. J. Benekos. 410,437; Nov. 28; Serial No. 444,435; published Sept. 19, 1944.
Syrups, Fruit flavored. S. C. Clayton Co. 410,508; Nov. 28; Serial No. 471,243; Sept. 12, 1944.

CLASS 46

Butter, cheese, and eggs. Packing Products Company. 410,436; Nov. 28; Serial No. 440,209; published Dec. 28, 1943.
Cakes, biscuits, bread, and confectionery. McVitie & Price. 25,592; re-renewed Dec. 4, 1944.
Candies. Lydia Darrah Candy Shops, Inc. 189,215; renewed Sept. 16, 1944.
Candy. Hawley & Hoops. 197,338; renewed Apr. 14, 1945.
Canned, bottled, and packaged food products, and sorghum, and fruit jam, etc. Waples-Platter Grocer Co. 196,741; renewed Mar. 24, 1945.
Canned cranberries. United Cape Cod Cranberry Company. 196,795; renewed Mar. 31, 1945.
Canned foods. Chas. B. Silver & Son. 410,474; Nov. 28; Serial No. 469,135; published Sept. 19, 1944.
Canned fruits and canned vegetables. Cutler-Lobingier Packing Company. 196,857; renewed Mar. 31, 1945.
Canned fruits, canned vegetables, coffee, etc. Weideman Company. 196,978; renewed Apr. 7, 1945.
Canned salmon. Columbia River Packers Association. 194,498; renewed Jan. 27, 1945.
Canned vegetables. Geidel Canneries, Inc. 410,544; Nov. 28.
Cheese. Whiting Milk Company. 410,537; Nov. 28.
Cocoa and all kinds of chocolate. Bovril, Limited. 25,995; re-renewed Feb. 5, 1945.
Cultures for making starter in the manufacture of buttermilk, butter, sour cream, etc. Dairy Laboratories. 191,831; renewed Nov. 18, 1944.
Edible oils. Strohmeyer & Arpe Company. 196,893; renewed Mar. 31, 1945.
Flour and corn meal, Wheat. McKenzie Milling Co. 195,832; renewed Mar. 3, 1945.
Food-seasoning compound. S. C. Cubbison. 410,539; Nov. 28.
Fruits, Fresh and dried. A. Mattei. 195,402; renewed Feb. 24, 1945.
Fruits, Fresh citrus. El Camino Citrus Association of Claremont. 410,546; Nov. 28.
Grains. Distillers dried. Schenley Distilleries, Inc. 410,532; Nov. 28; Serial No. 472,606; published Sept. 19, 1944.
Jams, fruit preserves, vegetable preserves, etc. Wm. P. Hartley (London & Aintree) Limited. 195,986; renewed Mar. 10, 1945.
Milk protein in powder form, Soluble. Laboratory Products Company. 194,336; renewed Jan. 20, 1945.
Mustard and salad dressing. Charles Gulden, Inc. 196,989; renewed Apr. 7, 1945.
Oil, green olives, ripe olives, etc., Olive. Co-Operative Olive Products Association, Inc. 410,447; Nov. 28; Serial No. 462,305; published Mar. 28, 1944.
Scientific blend of gelatinized wheat flour, salt and vegetable lecthins. Falk Products Co. 410,459; Nov. 28; Serial No. 465,797; published May 30, 1944.
Scientific blend of gelatinized wheat flour, salt and vegetable lecthins. Falk Products Co. 410,461; Nov. 28; Serial No. 465,801; published May 30, 1944.
Sirup, Table. Roddenbery Brothers. 197,035; renewed Apr. 7, 1945.
Vegetables, Fresh. J. H. Marble. 410,542; Nov. 28.
Yeast, nutrient salts, carbohydrates, etc. Falk Products Co. 410,460; Nov. 28; Serial No. 465,798; published Feb. 15, 1944.

CLASS 47

Wines. Ed. Phillips & Sons Co. 410,442; Nov. 28; Serial No. 461,771; published Sept. 19, 1944.

CLASS 49

Whiskey. Austin, Nichols & Co. Incorporated. 410,523; Nov. 28; Serial No. 472,029; published Sept. 19, 1944.

CLASS 50

Emblems and insignia, Base metal or composition. Green Duck Metal Stamping. 410,513–14; Nov. 28; Serial Nos. 471,398–9; published Sept. 19, 1944.
Glass articles. New Martinsville Glass Company. 410,467; Nov. 28; Serial No. 467,355; published Sept. 12, 1944.
Rubber and comminuted particles of cork, Admixture of. B. Goldware. 410,477; Nov. 28; Serial No. 469,596; published July 4, 1944.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 28TH DAY OF NOVEMBER, 1944

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abeles, Paul, London, England. Concave reinforced concrete beam. Re. 22,569; Nov. 28.

Cities Service Oil Company. (See Miller, Benjamin, assignor.)

Johns-Manville Corporation. (See Miles, W. S., and Voigt, assignors.)

Lux Clock Manufacturing Company, The. (See Lux, Frederick, assignor.)

Lux, Frederick, assignor to The Lux Clock Manufacturing Company, Inc., Waterbury, Conn. Timer. Re. 22,570; Nov. 28.

Miles, William S., Hastings-on-Hudson, and P. A. Voigt, Bellerose, assignors to Johns-Manville Corporation, New York, N. Y. Building construction. Re. 22,571; Nov. 28.

Miller, Benjamin, Richmond Hill, assignor, by mesne assignments, to Cities Service Oil Company, New York, N. Y. Electric flash producing method and apparatus. Re. 22,572; Nov. 28.

Voigt, Paul A. (See Miles, W. S., and Voigt.)

LIST OF DESIGN PATENTEES

Adams, Wilbur H., Erie, Pa., assignor to The Colson Corporation, Elyria, Ohio. Shelf truck. 139,534; Nov. 28.

Allen, Paul E., Skokie, Ill. Rattle. 139,510; Nov. 28.

Allen, Paul E., Skokie, Ill. Rattle. 139,511; Nov. 28.

Allen, Paul E., Skokie, Ill. Rattle. 139,512; Nov. 28.

Bauer, Eddie, Seattle, Wash. Hooded coat. 139,535; Nov. 28.

Bauer, Eddie, Seattle, Wash. Waistcoat. 139,536; Nov. 28.

Bauer, Eddie, Seattle, Wash. Jacket. 139,537; Nov. 28.

Beaver, Howard W., Eagle Rock, Calif. Pull toy. 139,574; Nov. 28.

Bendix Aviation Corporation. (See Frick, Harold L., assignor.)

Bohn Aluminum & Brass Corporation. (See Walker, George W., assignor.)

Bunnell, James, Denver, Colo. Spinning toy. 139,575; Nov. 28.

Byrd, Marc A., Saegertown, and F. La Bounty, Edinboro, Pa. Bottle. 139,564; Nov. 28.

Carlson, Ernest J., Reading, Pa. Nutcracker. 139,576; Nov. 28.

Case, W. A., and Son Manufacturing Company. (See Young, Willard G., assignor.)

Celon Company, The. (See Trecek, Louis, assignor.)

Chapman, David, Chicago, Ill. Flashlight. 139,577; Nov. 28.

Colson Corporation, The. (See Adams, Wilbur H., assignor.)

Comstock, Millard F., Fort Erie, Ontario, Canada. Ash tray. 139,538; Nov. 28.

Darr, Harold W., assignor to The Maico Company, Incorporated, Minneapolis, Minn. Clip for hearing aids. 139,565; Nov. 28.

De Alterlis, Hugo, New York, N. Y. Brooch pin or similar article. 139,539; Nov. 28.

De Alterlis, Hugo, New York, N. Y. Brooch pin or similar article. 139,540; Nov. 28.

De Alterlis, Hugo, New York, N. Y. Brooch pin or similar article. 139,541; Nov. 28.

De Alterlis, Hugo, New York, N. Y. Brooch pin or similar article. 139,542; Nov. 28.

De Pasquale, John. (See Westerman, A., and De Pasquale.)

De Pasquale, John and A. Westerman, assignors to Hardy Metal Specialties Inc., Brooklyn, N. Y. Top band for bag frames. 139,578; Nov. 28.

De Pasquale, John and A. Westerman, assignors to Hardy Metal Specialties Inc., Brooklyn, N. Y. Clasp for a handbag or similar article. 139,579; Nov. 28.

Derham, Philip A., Rosemont, Pa., assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Compact. 139,513; Nov. 28.

Deutsch, Ruth, New York, N. Y. Hat or similar article. 139,566; Nov. 28.

Diamant, Fred J., New York, N. Y. Molded insole. 139,580; Nov. 28.

Drell, William, New York, N. Y. Button or similar article. 139,514; Nov. 28.

Drell, William, New York, N. Y. Button or similar article. 139,515; Nov. 28.

Drell, William, New York, N. Y. Button or similar article. 139,516; Nov. 28.

Drell, William, New York, N. Y. Button or similar article. 139,517; Nov. 28.

Drell, William, New York, N. Y. Button or similar article. 139,518; Nov. 28.

Eisenberg, Philip. (See Stile, R., and Eisenberg.)

Ellicott, Irma S., and E. W. Silber, West Orange, N. J. Game board. 139,519; Nov. 28.

Ewald, Alexander S., South Bend, Ind. Savings bank. 139,520; Nov. 28.

Forwell, Harry E. (See Foster, C. H., and Forwell.)

Foster, Charles H., and H. E. Forwell, New York, N. Y.; said Forwell assignor to said Foster. Vanity box or similar article. 139,567; Nov. 28.

Frank, Leon L., New York, N. Y. Textile fabric. 139,581; Nov. 28.

Frank, Leon L., New York, N. Y. Textile fabric. 139,582; Nov. 28.

Frick, Harold L., assignor to Bendix Aviation Corporation, Detroit, Mich. Coffee brewer. 139,543; Nov. 28.

Gluck, Therese R., Flushing, N. Y. Ornamentation transfer sheet for chinaware or the like. 139,521; Nov. 28.

Greene, Frederick E., Westport, Conn., assignor to National Silver Company, New York, N. Y. Knife or other article of flatware. 139,544; Nov. 28.

Greene, Frederick E., Westport, Conn., assignor to National Silver Company, New York, N. Y. Knife or other article of flatware. 139,545; Nov. 28.

Greene, Frederick E., Westport, Conn., assignor to National Silver Company, New York, N. Y. Knife or other article of flatware. 139,546; Nov. 28.

Greene, Frederick E., Westport, Conn., assignor to National Silver Company, New York, N. Y. Knife or other article of flatware. 139,547; Nov. 28.

Greene, Frederick E., Westport, Conn., assignor to National Silver Company, New York, N. Y. Knife or other article of flatware. 139,548; Nov. 28.

Hannevig, Christoffer, New York, N. Y. Ship. 139,549; Nov. 28.

Hardy Metal Specialties Inc. (See De Pasquale, J., and Westerman, assignors.)

Hardy Metal Specialties Inc. (See Westerman, A., and De Pasquale, assignors.)

Hartnett, Paul L., Leominster, Mass. Drape pullback. 139,522; Nov. 28.

Hinchman, William H. D., Detroit, Mich. Conduit spacer. 139,568; Nov. 28.

Hobé, William W., New York, N. Y. Earring or similar article. 139,583; Nov. 28.

Jensen, Peter L., Western Springs, Ill. Phonograph needle. 139,584; Nov. 28.

Kinney, John W., Jr., Cincinnati, Ohio. Flashlight. 139,550; Nov. 28.

La Bounty, Frank. (See Byrd, M. A., and La Bounty.)

Larson, Oscar, Vallejo, Calif. Saddle rigging. 139,523; Nov. 28.

Laskin, Louis J., Los Angeles, Calif. Denture brush. 139,524; Nov. 28.

Lobel, Rudolph, New York, N. Y. Handbag frame. 139,525; Nov. 28.

Lobel, Rudolph, New York, N. Y. Handbag frame. 139,526; Nov. 28.

Loethen, Edna I. (See Loethen, William H. and E. I.)

Loethen, William H. and E. I., Jefferson City, Mo. Game board or similar article. 139,585; Nov. 28.

Loewy, Raymond, New York, N. Y. Clasp for fountain pen or similar article. 139,551; Nov. 28.

Maico Company, Incorporated, The. (See Darr, Harold W., assignor.)

McCann, Charles S., assignor to Walker Manufacturing Company of Wisconsin, Racine, Wis. Dolly. 139,552; Nov. 28.

McCann, Charles S., assignor to Walker Manufacturing Company of Wisconsin, Racine, Wis. Dolly. 139,553; Nov. 28.
Mirsky, Sara, New York, N. Y. Dickey. 139,554; Nov. 28.
National Silver Company. (See Greene, Frederick E., assignor.)
O'Brien, Elizabeth, Davenport, Iowa. Cleaning bucket. 139,569; Nov. 28.
Olson, August A., Bremerton, Wash. Play barn. 139,527; Nov. 28.
Omirolis, Miltiades, New York, N. Y. Lighter. 139,555; Nov 28.
Orsett, Coy, Boston, Mass. Cultivator. 139,528; Nov. 28.
Osburn, Myron E., Enid, Okla. Combination violin bridge and tail piece. 139,570; Nov. 28.
Phillips, William E., Los Angeles, Calif. Cigar and cigarette lighter. 139,571; Nov. 28.
Potts, Grover C., Big Spring, Tex. Necktie clasp. 139,586; Nov. 28.
Quast, Gilbert W., Milwaukee, Wis. Pump casing. 139,588; Nov. 28.
Rocić, Ivan, New York, N. Y. Pipe coupling unit or similar article. 139,572; Nov. 28.
Roth, Margaret, New York, N. Y. Curtain tie back or similar article. 139,556; Nov. 28.
Ruddock, Lewis E., Springfield, Mass. Pinochle pegging score board. 139,587; Nov. 28.
Russell, Lawrence H., Saginaw, Mich. Pitcher. 139,529; Nov. 28.
Snabye, William H., Kenmore, N. Y. Portable market stand. 139,557; Nov. 28.
Schindler, Sam, New York, N. Y. Outdoor playing card holder. 139,530; Nov. 28.
Silber, Eugene W. (See Ellicott, I. S., and Silber.)
Stile, Robert, and P. Eisenberg, Brooklyn, N. Y. Shoe. 139,531; Nov. 28.
Trecek, Louis, assignor to The Celon Company, Madison, Wis. Combined toothbrush and holder. 139,532; Nov. 28.
Victor Metal Products Corporation. (See Derham, Philip A., assignor.)
Vuksich, Helen, Duluth, Minn. Cutting attachment for pencils or the like. 139,558; Nov. 28.
Walker, George W., Pleasant Ridge, assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich. Refrigerator. 139,533; Nov. 28.
Walker, George W., Pleasant Ridge, assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich. Apartment house. 139,559; Nov. 28.
Walker Manufacturing Company of Wisconsin. (See McCann, Charles S., assignor.)
Wentling, William L., Euclid, Ohio. Beverage serving tray. 139,560; Nov. 28.
Wentling, William L., Euclid, Ohio. Beverage serving tray. 139,561; Nov. 28.
Wentling, William L., Euclid, Ohio. Beverage serving tray. 139,562; Nov. 28.
Westerman, Alexander. (See De Pasquale, J., and Westerman.)
Westerman, Alexander, and J. De Pasquale, assignors to Hardy Metal Specialties Inc., Brooklyn, N. Y. Decorative plastic material. 139,589; Nov. 28.
Wilde, John P., Sands Point, N. Y. Bottle. 139,573; Nov. 28.
Wilson, Harry H., Point Pleasant, N. J. Puzzle. 139,590; Nov. 28.
Young, Willard G., Kenmore, assignor to W. A. Case and Son Manufacturing Company, Buffalo, N. Y. Water closet. 139,563; Nov. 28.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 28TH DAY OF NOVEMBER, 1944

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Adams, Frederick W., Pittsburgh, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Separation of tall oil into components. 2,363,925; Nov. 28.
Advance Manufacturing, Incorporated. (See Kirkpatrick, Henry O., assignor.)
Aerovox Corporation. (See Uzmann, George J., assignor.)
Agriculture of the United States of America, and his successors in office, Claude R. Wickard as Secretary of. (See Reed, Jesse O., assignor.)
Aircraft Screw Products Company. (See Haas, Otto, assignor.)
Air Preheater Corporation, The. (See Karlsson, P. H., and Lundstrom, assignors.)
Air Preheater Corporation, The. (See Lundstrom, Ernest A., assignor.)
Air Reduction Company. (See Anderson, James L., assignor.)
Air Reduction Company. (See Dennis, Wolcott, assignor.)
Albach, Frank, and G. R. Chervenka, assignors to Fred Medart Manufacturing Company, St. Louis, Mo. Basketball goal. 2,363,634; Nov. 28.
Albers, John R., assignor to Wincharger Corporation, Sioux City, Iowa. Dually pivoted wind driven power plant. 2,363,627; Nov. 28.
Aldis, Arthur C. W., assignor to Aldis Brothers Limited, Sparkhill, Birmingham, England. Signaling lamp. 2,363,506; Nov. 28.
Aldis Brothers Limited. (See Aldis, Arthur C. W., assignor.)
Alien Property Custodian. (See Boeke, Jan.)
Alien Property Custodian. (See Kämmel, Hugo E.)
Alien Property Custodian. (See Meisenheimer, Klaus, and Scheuermann.)
Alien Property Custodian. (See Moser, Wilhelm.)
Alien Property Custodian. (See Oppenauer, Rupert.)
Alien Property Custodian. (See Ruppik, Herbert.)
Alien Property Custodian. (See Waselge, Charles R.)
Alien Property Custodian. (See Wussow, R., and Fechner.)
Allis-Chalmers Manufacturing Company. (See Montgomery, Terryl B., assignor.)
American Chain & Cable Company. (See Bratz, O. J., and Baluss, assignors.)
American Fastener Company, The. (See Kiessling, Max, assignor.)
American Optical Company. (See Schauweker, George H., assignor.)
American Pad & Textile Company, The. (See Brown, Frederick L., assignor.)
American Research and Development Corp. (See Rollman, E. E., and Beauvais, assignors.)
American Steel Foundries. (See Flesch, Norman, assignor.)
American Steel and Wire Company, The. (See De Lamatter, W. W., and Hume, assignors.)
Anchor Hocking Glass Corporation. (See McNamara, William L., assignor.)
Anchor Hocking Glass Corporation. (See Stover, Harry E., assignor.)
Anderson, Andrew T., Dover, N. J. Coating apparatus. 2,363,487; Nov. 28.
Anderson, James L., Closter, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Welding. 2,363,828; Nov. 28.
Arens, Egmont, assignor to The Great Atlantic & Pacific Tea Company, New York, N. Y. Bag closure. 2,363,926; Nov. 28.
Armour and Company. (See Conquest, V., and Kell, assignors.)
Arons, George R. (See Bloch, A., and Arons.)
Attapulgus Clay Company. (See La Lande, William A., Jr., assignor.)
Auer, László, East Orange, N. J., assignor to Interchemical Corporation, New York, N. Y. Coated flatting agent and making the same. 2,363,489; Nov. 28.
Austin, John J. (See Walton, R. R., Austin, and Gott.)
Auten, Claude I., Birmingham, Ala., assignor to Tennessee Coal, Iron and Railroad Company. Window for prefabricated houses. 2,363,475; Nov. 28.
Automatic Control Corporation. (See Erb, George H., assignor.)
Automatic Devices Corporation. (See Conboy, Russell D., assignor.)
Automatic Devices Corporation. (See Johnson, Arthur A., assignor.)
Automatic Devices Corporation. (See Lehmann, Herbert G., assignor.)
Automatic Electric Laboratories, Inc. (See Gillings, C., and Murray, assignors.)
Automatic Products Company. (See Boerner, Arthur R., assignor.)
Automatic Voting Machine Corporation. (See Gustavson, Alvin N., assignor.)
Automotive Products Company Limited. (See Down, Cyril R., assignor.)
Avery, Gordon C., Washington, D. C. Reversing attachment for duplicating machines. 2,363,490; Nov. 28.
B. B. Chemical Co. (See Wells, Adoniram J., assignor.)
Bagnall, Edwin, Chicago, Ill. Commercial washer. 2,363,491; Nov. 28.
Bailey, Theodore, Habana, Cuba. Dry shaver. 2,363,849; Nov. 28.
Bailey, William C., assignor to United States Plywood Corporation, Seattle, Wash. Making balanced laminated panels. 2,363,492; Nov. 28.
Bailey, William C., assignor to United States Plywood Corporation, Seattle, Wash. Balanced striated plywood panel. 2,363,927; Nov. 28.
Baldsiefen, Walter D., Metuchen, N. J., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Photographic processes and compositions. 2,363,493; Nov. 28.
Baldsiefen, Walter D., Metuchen, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of blue-black toned silver images. 2,364,017; Nov. 28.
Ballard, Seaver A., Oakland, and V. E. Haury, El Cerrito, assignors to Shell Development Company, San Francisco, Calif. Insecticide. 2,363,928; Nov. 28.
Baluss, Harry D. (See Bratz, O. J., and Baluss.)
Banks, James H., Rahway, and H. R. Jurgens, Scotch Plains, assignors to Elevator Supplies Company, Incorporated, Rahway, N. J. Electric operator for opening and closing doors. 2,363,929; Nov. 28.
Bannister, Bryant, Mount Lebanon, Pa., assignor to National Tube Company. Method and apparatus for manufacturing seamless pipes and tubes. 2,363,476; Nov. 28.
Bany, Herman, Lansdowne, Pa., assignor to General Electric Company. Control equipment for prime mover electric generating plants. 2,363,850; Nov. 28.
Barber-Colman Company. (See Peterson, Burt A., assignor.)
Barnard, Robert D., Columbus, Ohio, assignor to Eli Lilly and Company, Indianapolis, Ind. Therapeutically active ferrihemochromogens, and preparing them. 2,364,018; Nov. 28.
Barnes, B. I. (See Jones, Taze W., assignor.)
Barnhart, Robert M., Alhambra, and J. S. Tormey, Temple City, assignors to Utility Trailer Manufacturing Company, Los Angeles, Calif. Power-operated automatic semitrailer. 2,363,851; Nov. 28.
Bartlett, Reginald F., Weybridge, England. Means for raising or lifting sunken or partially sunken vessels. 2,363,488; Nov. 28.
Barton, Giles E., assignor to The Ryan Aeronautical Co., San Diego, Calif. Ball and socket joint assembly. 2,363,477; Nov. 28.
Basic Refractories, Inc. (See Schoenlaub, Robert A., assignor.)
Basquin, Olin H., Evanston, assignor to Streeter-Amet Company, Chicago, Ill. Testing apparatus. 2,363,930; Nov. 28.
Batchelder, George W., Gibbstown, and R. F. Peterson, Woodbury, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Recovery of glycerin. 2,363,494; Nov. 28.
Bates, Mortimer F., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Directional gyroscope. 2,363,495; Nov. 28.
Beall, Frank H., Detroit, Mich. Two-way overrunning clutch. 2,364,019; Nov. 28.
Beaman, Bernard. (See Hulman, J., and Beaman.)
Beard, Charles L., Lancaster, Pa. Joggling tool. 2,363,931; Nov. 28.
Beardsley, Kenneth D. (See Stewart, H. C., and Beardsley.)
Beaumont, Glenn A., Buffalo, N. Y., assignor to The Hanna Furnace Corporation. Pig iron and making same. 2,363,496; Nov. 28.
Beauvais, Robert. (See Rollman, E. E., and Beauvais.)
Beech Aircraft Corporation. (See Duffy, D. H., Wiley, and Ross, assignors.)
Beekler, John G., Santa Monica, Calif. Weatherproof snail bait. 2,363,852; Nov. 28.

Beers, Royce L., Birmingham, assignor to Detroit Stoker Company, Monroe, Mich. Detachable grate bar construction for traveling grates. 2,363,932; Nov. 28.

Begun, Semi J., assignor to The Brush Development Company, Cleveland, Ohio. Sound reproducing device. 2,363,497; Nov. 28.

Bell Telephone Laboratories, Incorporated. (See Chaffee, Joseph G., assignor.)

Bell Telephone Laboratories, Incorporated. (See Doba, Stephen, Jr., assignor.)

Bell Telephone Laboratories, Incorporated. (See Ferguson, Lawrence, assignor.)

Bell Telephone Laboratories, Incorporated. (See Frosch, Carl J., assignor.)

Bell Telephone Laboratories, Incorporated. (See Gilman, George W., assignor.)

Bell Telephone Laboratories, Incorporated. (See Holden, William H. T., assignor.)

Bell Telephone Laboratories, Incorporated. (See Hubbard, Francis A., assignor.)

Bell Telephone Laboratories, Incorporated. (See Mallina, Rudolph F., assignor.)

Bender, Lloyd F. (See Schmitt, J. A., and Bender.)

Bendix Aviation Corporation. (See Jankasek, Joseph, assignor.)

Bendix Aviation Corporation. (See Kucher, Andrew A., assignor.)

Bendix, Vincent, South Bend, Ind., assignor, by mesne assignments, to Langley Aviation Corporation, New York, N. Y. Portable veneer press. 2,363,933; Nov. 28.

Bendix-Westinghouse Automotive Air Brake Company. (See Fowler, Elbert, assignor.)

Bennett, Alva H., Kenmore, assignor to Spencer Lens Company, Buffalo, N. Y. Lens system. 2,363,770; Nov. 28.

Bennett, Arthur F., West Barrington, R. I., assignor to Brown and Sharpe Manufacturing Company. Driving and control mechanism for milling and similar machines. 2,363,934; Nov. 28.

Bennett, Robert M., Ithan, Pa., assignor to General Electric Company. Electric air circuit breaker. 2,363,853; Nov. 28.

Bergholm, Harry K., Stockholm, Sweden. Refrigeration. 2,363,771; Nov. 28.

Berkley Machine Works and Foundry Company, Inc. (See Jones, Samuel G., assignor.)

Bierenfeld, Josef, Shorewood, Wis., assignor to Square D Company, Detroit, Mich. Push button switch and mounting. 2,363,854; Nov. 28.

Bixby, Guy T. (See Greenblatt, L. W., Jr., and Bixby.)

Blair, Emile, assignor to Standard Aircraft Products, Inc., Dayton, Ohio. Method and apparatus for forming tubes by extrusion. 2,363,635; Nov. 28.

Blakeman, Henry W., Rayville, La. Cover plate. 2,363,567; Nov. 28.

Blanchard, Frederick W., Hampstead, assignor to T. McAvity & Sons Limited, Montreal, Quebec, Canada. Cab lamp. 2,364,020; Nov. 28.

Bloch, Arthur, Jamaica, and G. R. Arons, New York, N. Y. Vehicle. 2,363,636; Nov. 28.

Blount Plow Works. (See Rude, John F., assignor.)

Boksruker, Alexander F. (See Land, H. A., and Boksruker.)

Boecking, Ewald, Great Kills, assignor to International Projector Corporation, New York, N. Y. Framing mechanism. 2,363,855. Nov. 28.

Boeke, Jan, Eindhoven, Netherlands; vested in the Alien Property Custodian. Method and device for detecting traces of foreign gases, vapours, or mists in the atmosphere. 2,363,478; Nov. 28.

Boerner, Arthur R., assignor, by mesne assignments, to Automatic Products Company, Milwaukee, Wis. Chair. 2,363,935; Nov. 28.

Boettcher, George E., et al. (See Reece, C. W., and Cooney, assignors.)

Bondeson, Herman A. (See Grosser, C. E., and Bondeson.)

Bone, Herbert L., Forest Hills, assignor to The Union Switch & Signal Company, Swissvale, Pa. Circuit controller. 2,363,936; Nov. 28.

Boonton Molding Company. (See Sayre, Gordon B., assignor.)

Bows, Harry, Los Angeles, and A. Iannessa, Inglewood, Calif., assignors to S. Karpen & Bros., Chicago, Ill. Mattress and making the same. 2,363,637; Nov. 28.

Brandt, David G., Westfield, and S. J. Wynn, Riverton, N. J., assignors to Cities Service Oil Company, New York, N. Y. Method and apparatus for preparing dispersions. 2,363,937; Nov. 28.

Bratz, Otto J., Adrian, and H. D. Baluss, Palmyra, Mich., assignors to American Chain & Cable Company, Inc., Bridgeport, Conn. Machine for proof testing the holding efficiency between wire cables and fittings, etc. 2,363,938; Nov. 28.

Brelsford, Harlin A., Haddon Heights, N. J., assignor to Radio Corporation of America. Clamp. 2,363,638; Nov. 28.

Briggs, Eugene L. (See Kurth, E. F., and Briggs.)

Brightwell, Robert R., assignor to Stephano Brothers, Philadelphia, Pa. Wrapping machine. 2,363,939; Nov. 28.

Brockway, Lewis M., et al. (See Brockway, Walter L., assignor.)

Brockway, Walter L., Auburn Township, Geauga County, assignor of one-half to M. Greenler, Chardon, and one-fourth to L. M. Brockway, Chagrin Falls, Ohio. Self-centering device. 2,363,940; Nov. 28.

Brown and Sharpe Manufacturing Company. (See Bennett, Arthur F., assignor.)

Brown and Sharpe Manufacturing Company. (See Curry, Langdon W., assignor.)

Brown Bag Filling Machine Company, The. (See Goff, George H., assignor.)

Brown, Francis V., Birmingham, England. Remote control system. 2,363,479; Nov. 28.

Brown, Frederick L., assignor to The American Pad & Textile Company, Greenfield, Ohio. Life preserver. 2,363,639; Nov. 28.

Brown, Frederick L., assignor to The American Pad & Textile Company, Greenfield, Ohio. Life preserver. 2,363,640; Nov. 28.

Browning, J. M. & M. S., Company. (See Browning, Val A., assignor.)

Browning, Val A., assignor to J. M. & M. S. Browning Company, Ogden, Utah. Magazine and breechblock latching means for firearms. 2,363,772; Nov. 28.

Brownlee, Robert N., assignor to Wood Conversion Company, Cloquet, Minn. Forming fibrous felts. 2,363,480; Nov. 28.

Brush Development Company, The. (See Begun, Semi J., assignor.)

Bryant Heater Company, The. (See Higley, F. R., and Converse, assignors.)

Burk, Robert E., and E. C. Hughes, Cleveland Heights, assignors to The Standard Oil Company, Cleveland, Ohio. Manufacture of precipitated catalysts. 2,363,498; Nov. 28.

Bush, Burton T., Inc. (See Stevens, P. G., and Erickson, assignors.)

Busignies, Henri G., Forest Hills, assignor to International Standard Electric Corporation, New York, N. Y. Angle indicating apparatus. 2,363,941; Nov. 28.

Butler, Reuben, Detroit, Mich. Timber plate girder. 2,363,568; Nov. 28.

Caldwell, Walter A., West Kilbride, and A. G. White, Saltcoats, Scotland, assignors to Imperial Chemical Industries Limited. Manufacture of nondetonating fuses for blasting and similar purposes. 2,363,569; Nov. 28.

Callender's Cable & Construction Company. (See Howson, A. V., and Reed, assignors.)

Campbell, Oliver F., Whiting, Ind., assignor to Sinclair Refining Company, New York, N. Y. Fuel burner. 2,363,942; Nov. 28.

Campbell, Rodney B., North Hollywood, assignor to John Eley, Jr., Los Angeles, Calif. Four-way selector valve. 2,363,481; Nov. 28.

Campbell, William E., Jr., Taft, assignor to Standard Oil Company of California, San Francisco, Calif. Non-aqueous drilling fluid. 2,363,499; Nov. 28.

Caplan, Solomon, New York, N. Y., and M. T. Harvey, South Orange, N. J., assignors to Harvel Research Corporation. Furfuraldehyde-ketone-formaldehyde reaction product and making same. 2,363,829; Nov. 28.

Caprio, Amerigo F., Madison, N. J., assignor, by mesne assignments, to Celanese Corporation of America. Imitation mother-of-pearl. 2,363,570; Nov. 28.

Car Cruiser Caravans Limited. (See Fleming-Williams, Clifford R., assignor.)

Caracristi, Virginius Z. (See Kreisinger, H., and Caracristi.)

Cargille, Ralph P., Kearny, N. J. Spot-test plate. 2,363,773; Nov. 28.

Carlson, Otto M., assignor to Crane Co., Chicago, Ill. Weld fabricated valve. 2,363,943; Nov. 28.

Carlson, Wendell L., Haddonfield, N. J., assignor to Radio Corporation of America. Low loss tuning apparatus. 2,363,641; Nov. 28.

Carnegie-Illinois Steel Corporation. (See John, Henry, assignor.)

Carrier Corporation. (See Carrier, Willis H., assignor.)

Carrier, Willis H., assignor to Carrier Corporation, Syracuse, N. Y. Air conditioning system control arrangement. 2,363,944; Nov. 28.

Carrier, Willis H., assignor to Carrier Corporation, Syracuse, N. Y. Air conditioning system. 2,363,945; Nov. 28.

Carter, Leslie F., Leonia, N. J., and F. West, Jr., Roslyn, assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Gyro magnetic compass system. 2,363,500; Nov. 28.

Cary, William M., Jacksonville, Fla., assignor to Combustion Engineering Company, Inc., New York, N. Y. Automatic scraper for filter screens. 2,363,830; Nov. 28.

Cashman, Aloysius F. (See Lieber, E., and Cashman.)

Celanese Corporation of America. (See Caprio, Amerigo F., assignor.)

Chaffee, Joseph G., Hackensack, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Radio signaling. 2,363,571; Nov. 28.

Cherney, Michael, New York, N. Y. Decimal point indicating mechanism for slide rule computations. 2,363,642; Nov. 28.

Chervenka, George R. (See Albach, F., and Chervenka.)

Christensen, Niels C., Salt Lake City, Utah. Treatment of zinc carbonate ores. 2,363,572; Nov. 28.

Christensen, Norman V., Chicago, G. Sauer, Berwyn, and N. Wallenberg, assignors to Union Special Machine Company, Chicago, Ill. Sewing machine. 2,363,774; Nov. 28.

Cities Service Oil Company. (See Brandt, D. G., and Wynn, assignors.)

Cities Service Oil Company. (See Morgan, J. D., and Lowe, assignors.)

Clark, Elizabeth C., New York, N. Y. Pantie girdle. 2,363,775; Nov. 28.

Clarke, Edmund C., Jacksonville, Fla. Twist drill grinder. 2,363,482; Nov. 28.

Clausen, De Witt, assignor to Lucien I. Yeomans, Inc., Chicago, Ill. Milling machine. 2,363,831; Nov. 28.

Clayton, James O. (See Farrington, B. B., Clayton, and Etzler.)

Cleaners Specialties, Inc. (See Glover, William C., Jr., assignor.)

Cochrane Corporation. (See Razek, Joseph, assignor.)

Codier, Oscar, et al. (See Greaves-Walker, A. F., and Stone, assignors.)

Coleman, Gerald H., and W. D. Schroeder, assignors to The Dow Chemical Company, Midland, Mich. Esters of unsaturated acids. 2,363,501; Nov. 28.

Colgate-Palmolive-Peet Company. (See Ross, J., and Turck, assignors.)

Collett, J. Daviss, Jr. (See Swearingen, Judson S., assignor.)

Collins, Hubert D., Tulsa, Okla., assignor to Lamtex Equipment Corporation, Fort Worth, Tex. Oil well casing pump. 2,363,644; Nov. 28.

Collins, Lee A., Louisville, Ky. Method of and apparatus for making and re-creating records. 2,363,502; Nov. 28.

Colt's Patent Fire Arms Manufacturing Company. (See Ironside, George, assignor.)

Combustion Engineering Company. (See Cary, William M., assignor.)

Combustion Engineering Company. (See Kreisinger, H., and Caracristi, assignors.)

Commercial Controls Corporation. (See Ryan, C. D., and Drake, assignors.)

Conboy, Russell D., Waterbury, Conn., assignor to Automatic Devices Corporation, Bridgeport, Conn. Cigar lighter. 2,363,645; Nov. 28.

Connolly, Gerald C., Baton Rouge, La., assignor to Standard Oil Development Company. Production of molded gels. 2,363,832; Nov. 28.

Conquest, Victor, Chicago, and H. L. Kell, Clarendon Hills, assignors to Armour and Company, Chicago, Ill. Hide treatment. 2,363,646; Nov. 28.

Container Corporation of America, et al. (See Walton, R. R., Austin, and Gott, assignors.)

Continental Machines, Incorporated. (See Petersen, Hans, assignors.)

Converse, Julius. (See Higley, F. R., and Converse, assignors.)

Cook, Charles O., Takoma Park, Md. Stereoscopic plotting instrument. 2,363,643; Nov. 28.

Cooney, James F. (See Reece, C. W., and Cooney.)

Cooper, Joseph H., Warren, and C. E. Smith, Port Homer, assignors to The Taylor-Winfield Corporation, Warren, Ohio. Welding method and apparatus. 2,363,719; Nov. 28.

Cosin, Joseph J., Brooklyn, assignor to Hughes-Autograf Brush Company, Inc., New York, N. Y. Hairbrush cover. 2,363,647; Nov. 28.

Costa, Thomas J., Teaneck, N. J. Armor shell for motor vehicles. 2,363,573; Nov. 28.

Coultas, Wilbur J. (See Paradise, L. A., Coultas, and Dort.)

Cowan, John W., Milton, Mass. Filing cabinet. 2,363,574; Nov. 28.

Crane Co. (See Carlson, Otto M., assignor.)

Crary, Selden B., Schenectady, N. Y., assignor to General Electric Company. Synchronism control system. 2,363,833; Nov. 28.

Crater, Willard D., Newark, assignor to Hercules Powder Company, Wilmington, Del. Nitration apparatus. 2,363,834; Nov. 28.

Crever, Frederick E., Scotia, and J. L. Stratton, Schenectady, N. Y., assignors to General Electric Company. Regulating circuit. 2,363,857; Nov. 28.

Crider, Stephen M., Criders, Va. Brooder. 2,363,483; Nov. 28.

Crider, Stephen M., Criders, Va. Brooder. 2,363,484; Nov. 28.

Crocker, Glyn H., Cortland, assignor to J. C. Penney Company, New York, N. Y. Undergarment. 2,363,648; Nov. 28.

Crompton & Knowles Loom Works. (See Jennings, Victor H., assignor.)

Crompton & Knowles Loom Works. (See Patterson, Walter A., assignor.)

Crompton & Knowles Loom Works. (See Robb, Walter Y., assignor.)

Crompton & Knowles Loom Works. (See Wakefield, Walter H., assignor.)

Crosby, Howard M., Schenectady, N. Y., assignor to General Electric Company. Frequency conversion. 2,363,835; Nov. 28.

Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Frequency modulation receiver. 2,363,649; Nov. 28.

Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Frequency modulation detector circuit. 2,363,650; Nov. 28.

Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Superregenerative receiver system. 2,363,651; Nov. 28.

Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Frequency modulation discriminator circuit. 2,363,652; Nov. 28.

Cross, Thomas, Jr. (See Fulton, S. C., and Cross.)

Crossman, Kenneth W., Willow Grove, assignor to The Edwin H. Fitler Co., Philadelphia, Pa. Pump. 2,363,653; Nov. 28.

Cunningham, Edward N. (See Lessig, E. T., and Cunningham.)

Curry, Langdon W., Fall River, Mass., assignor to Brown and Sharpe Manufacturing Company. Grinding machine. 2,363,946; Nov. 28.

Cutler-Hammer, Inc. (See Welch, Jerome B., assignor.)

Dale, George L., assignor of one-third to Losse Ranch, Santa Clara County, Calif. Spraying apparatus. 2,363,776; Nov. 28.

D'Alelio, Gaetano F., Pittsfield, Mass., assignor to General Electric Company. Preparation of heat-convertible, soluble, fusible polymers of divinyl benzene. 2,363,836; Nov. 28.

Dally, Roy, assignor to Webster Electric Company, Racine, Wis. Tone arm. 2,363,655; Nov. 28.

Daly, Lawrence E., Osceola, Ind., assignor to United States Rubber Company, New York, N. Y. Rubber molding compositions. 2,363,564; Nov. 28.

Daugherty, Lucius A., Norfolk, Va. Wooden spring. 2,363,837; Nov. 28.

Dawson, Walter R., Portland, Oreg. Corrugated neck roll. 2,363,656; Nov. 28.

Dearborn Chemical Company. (See Denman, Wayne L., assignor.)

Decker, Gerard Q., 3rd, Yeadon, Pa., assignor to E. I. du Pont de Nemours Company, Wilmington, Del. Finishing system. 2,363,658; Nov. 28.

Decker, Sol, Chicago, Ill., assignor to Setter Bros. Inc., Cattaraugus, N. Y. Confection stick. 2,363,503; Nov. 28.

Deere & Company. (See Martin, Floyd R., assignor.)

Deere & Company. (See Paradise, L. A., Coultas, and Dort, assignors.)

Deere & Company. (See Silver, Walter H., assignor.)

De Golyer, Anthony G., Old Greenwich, assignor to L. A. Janney, Stamford, Conn., as trustee. Alloys for cutting tools. 2,363,947; Nov. 28.

De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,363,504; Nov. 28.

De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,363,505; Nov. 28.

De Groote, Melvin, University City, B. Keiser, Webster Groves, and A. F. Wirtel, Kirkwood, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,363,506; Nov. 28.

Deimel, Albert H. (See Peterson, C. D., and Deimel.)

De Lamatter, William W., and P. H. Hume, Lakewood, Ohio, assignors to The American Steel and Wire Company of New Jersey. Powder metallurgy. 2,363,575; Nov. 28.

De Mering, Boris S., Shreveport, La. Demulsifying agent. 2,363,838; Nov. 28.

Demuth, Charles, Jamaica, N. Y. Unit type air conditioning register. 2,363,839; Nov. 28.

Denhard, Harry W., assignor to Oliver United Filters Incorporated, Oakland, Calif. Filter. 2,363,840; Nov. 28.

Denman, Wayne L., Berwyn, assignor to Dearborn Chemical Company, Chicago, Ill. Treating waters and composition therefor. 2,363,921; Nov. 28.

Denman, Wayne L., Berwyn, assignor to Dearborn Chemical Company, Chicago, Ill. Anti-foam composition for aqueous baths. 2,363,922; Nov. 28.

Denman, Wayne L., Berwyn, assignor to Dearborn Chemical Company, Chicago, Ill. Purifying waters. 2,363,923; Nov. 28.

Denman, Wayne L., Berwyn, assignor to Dearborn Chemical Company, Chicago, Ill. Purifying waters with stabilized emulsion. 2,363,924; Nov. 28.

Dennis, Wolcott, Dairen, Conn., assignor to Air Reduction Company, Incorporated, New York, N. Y. Portable apparatus for separation of the constituents of gaseous mixtures. 2,363,657; Nov. 28.

Detroit Lubricator Company. (See Russel, Philip S., assignor.)

Detroit Stoker Company. (See Beers, Royce L., assignor.)

Devorak, Raymond J., Minneapolis, Minn. Fuel control valve for Diesel engines. 2,363,576; Nov. 28.

Dewey and Almy Chemical Company, et al. (See Walton, R. R., Austin, and Gott, assignors.)

Dewey, Clarence L., Elkhart, Ind. Machine and method for indenting tubing. 2,363,507; Nov. 28.

Dexter, Albert M., Jr., Hartford, assignor to Niles-Bement-Pond Company, West Hartford, Conn. Shearing and classifying mechanism for metal strip. 2,363,577; Nov. 28.

Dieter, Walter G., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Contactor unit for air conditioning systems. 2,363,578; Nov. 28.

Ditto, Incorporated. (See Williams, Robert A., assignor.)

Doba, Stephen, Jr., Long Island City, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric circuit. 2,363,659; Nov. 28.

Doll, Joseph A., Mineola, N. Y. Razor blade sharpener. 2,363,579; Nov. 28.

Dort, Russell L. (See Paradise, L. A., Coultas, and Dort.)

Doster, Howard G., Wadsworth, and R. H. Hanlon, Sharon Center, assignors to The Ohio Injector Company, Wadsworth, Ohio. Molding rubber articles. 2,363,508; Nov. 28.

Dow Chemical Company, The. (See Coleman, G. H., and Schroeder, assignors.)

Dow Chemical Company, The. (See Horsley, L. H., and Nutting, assignors.)

Dow Chemical Company, The. (See Peterson, Floyd C., assignor.)

Dow Chemical Company, The. (See Smith, F. B., and Hansen, assignors.)

Down, Cyril R., assignor to Automotive Products Company Limited, Leamington Spa, England. Telescopic shock absorber. 2,363,485; Nov. 28.

Downing, Frederick B., and C. J. Pedersen, Penns Grove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilization of organic substances. 2,363,777; Nov. 28.

Drake, Charles W., Kirkwood, assignor to McDonnell Aircraft Corporation, St. Louis, Mo. Abrading machine. 2,363,486; Nov. 28.

Drake, Edward P. (See Ryan, C. D., and Drake.)

Dudas, Andrew, Pittsburgh, Pa. Curtain. 2,363,847; Nov. 28.

Duffy, David H., J. W. Wiley, and M. M. Ross, assignors to Beech Aircraft Corporation, Wichita, Kans. Hose actuated press. 2,363,779; Nov. 28.

Dugan, Evelyn R. (See Dugan, Joseph, assignor.)

Dugan, Joseph, assignor of one-half to E. R. Dugan, Los Angeles, Calif. Gunfire control system. 2,363,948; Nov. 28.

Duggan, James E., Detroit, Mich. Bearing mask structure. 2,363,660; Nov. 28.

Duggan, James E., Detroit, Mich. Paint mask structure. 2,363,841; Nov. 28.

Duggan, James E., Detroit, Mich. Paint mask structure. 2,363,843; Nov. 28.

Duggan, James E., New Brighton, Pa. Mask structure. 2,363,842; Nov. 28.

Duggan, James E., Indianapolis, Ind. Mask structure. 2,363,844; Nov. 28.

Duggan, James E., Birmingham, Mich. Mask structure. 2,363,845; Nov. 28.

Duggan, James E., Birmingham, Mich. Paint mask structure. 2,363,846; Nov. 28.

Du Pont, E. I., de Nemours & Company. (See Baldsiefen, Walter D., assignor.)

Du Pont, E. I., de Nemours & Company. (See Batchelder, G. W., and Peterson, assignors.)

Du Pont, E. I., de Nemours & Company. (See Decker, Gerard Q., 3rd, assignor.)

Du Pont, E. I., de Nemours & Company. (See Downing, F. B., and Pedersen, assignors.)

Du Pont, E. I., de Nemours & Company. (See Libby, James W., Jr., assignor.)

Du Pont, E. I., de Nemours & Company. (See Libby, J. W., Jr., and Woodward, assignors.)

Du Pont, E. I., de Nemours & Company. (See Pedersen, Charles J., assignor.)

Du Pont, E. I., de Nemours & Company. (See Rossander, S. S., Libby, and Woodward, assignors.)

Du Pont, E. I., de Nemours & Company. (See Sparks, C. E., and Laucius, assignors.)

Du Pont, E. I., de Nemours & Company. (See White, Clayton F. A., assignor.)

Du Pont, E. I., de Nemours & Company. (See Woodward, David W., assignor.)

Duranol Products, Inc. (See Meyer, Maximilian C., assignor.)

Eaton Manufacturing Company. (See Findley, Howard J., assignor.)

Einson-Freeman Co. (See Gold, Sam, assignor.)

Elevator Supplies Company. (See Banks, J. H., and Jurgens, assignors.)

Eley, John, Jr. (See Campbell, Rodney B., assignor.)

Emmer, Charles E., assignor to General Binding Corporation, Chicago, Ill. Plastic loose-leaf binder. 2,363,848; Nov. 28.

Emsco Derrick & Equipment Company. (See Webster, Samuel W., assignor.)

Erb, George H., East Orange, N. J. assignor to Automatic Control Corporation, St. Louis, Mo. Stoker control and circuit. 2,363,720; Nov. 28.

Erickson, Julius L. E. (See Stevens, P. G., and Erickson.)

Ernst, Eugene, Livingston, N. J. Flat type water level gauge assembly. 2,363,780; Nov. 28.

Eskin, Samuel G., Pittsburgh, assignor to Robertshaw Thermostat Company, Youngwood, Pa. Ignition system. 2,363,509; Nov. 28.

Etzler, Dorr H. (See Farrington, B. B., Clayton, and Etzler.)

Evans, Leigh R., assignor to Hardinge Brothers, Inc., Elmira, N. Y. Collet actuating device for machine tools. 2,363,721; Nov. 28.

Ex-Cell-O Corporation. (See Selnes, Alf K., assignor.)

Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Variable load brake. 2,363,580; Nov. 28.

Farrington, Bruce B., and J. O. Clayton, Berkeley, and D. H. Etzler, Albany, assignors to Standard Oil Company of California, San Francisco, Calif. Compounded oil. 2,363,510; Nov. 28.

Farrington, Bruce B., and J. O. Clayton, Berkeley, and D. H. Etzler, Albany, assignors to Standard Oil Company of California, San Francisco, Calif. Compounded oil. 2,363,511; Nov. 28.

Farrington, Bruce B., and J. O. Clayton, Berkeley, and D. H. Etzler, Albany, assignors to Standard Oil Company of California, San Francisco, Calif. Compounded oil. 2,363,512; Nov. 28.

Farrington, Bruce B., and J. O. Clayton, Berkeley, and D. H. Etzler, Albany, assignors to Standard Oil Company of California, San Francisco, Calif. Lubricating composition and the like. 2,363,513; Nov. 28.

Farrington, Bruce B., and J. O. Clayton, Berkeley, and D. H. Etzler, Albany, assignors to Standard Oil Company of California, San Francisco, Calif. Lubricating oils and the like. 2,363,514; Nov. 28.

Farrington, Bruce B., and J. O. Clayton, Berkeley, and D. H. Etzler, Albany, assignors to Standard Oil Company of California, San Francisco, Calif. Hydrocarbon oils. 2,363,515; Nov. 28.

Farrington, Bruce B., and J. O. Clayton, Berkeley, and D. H. Etzler, Albany, assignors to Standard Oil Company of California, San Francisco, Calif. Compounded hydrocarbon oils. 2,363,516; Nov. 28.

Faust, Jacob, Belleville, N. J., and H. Sonneborn, III, Baltimore, Md., assignors to L. Sonneborn Sons, Inc. Stabilized medicinal white oils. 2,363,722; Nov. 28.

Fauver, Stanley T., Painesville, assignor to Industrial Rayon Corporation, Cleveland, Ohio. Churn cleaning apparatus. 2,363,949; Nov. 28.

Fay, Fred B. (See Young, R. W., and Fay.)

Fearon, Perley E., Canaan, Vt. Milk bottle carrier. 2,363,950; Nov. 28.

Fechner, Fritz W. (See Wussow, R., and Fechner.)

Federal Telephone and Radio Corporation. (See Saslaw, Otto, assignor.)

Feitl, William J., Chicago, Ill. Carbon paper and its holder. 2,363,661; Nov. 28.

Ferguson, Lawrence, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Apparatus for and method of applying metallic coatings by thermal evaporation. 2,363,781; Nov. 28.

Ferris, Donald K., assignor to General Motors Corporation, Dayton, Ohio. Domestic appliance. 2,363,517; Nov. 28.

Ferris, Donald K., assignor to General Motors Corporation, Dayton, Ohio. Domestic appliance. 2,363,518; Nov. 28.

Ferris, Donald K., assignor to General Motors Corporation, Dayton, Ohio. Domestic appliance. 2,363,519; Nov. 28.

Fibreboard Products, Inc. (See Goodyear, Charles H., assignor.)

Fikentscher, Hans, Ludwigshafen-on-the-Rhine, Germany, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Emulsion-polymerization. 2,363,951; Nov. 28.

Fillmore, Baxter M. W., Jericho Beach, Vancouver, British Columbia, Canada. Fluid transmission. 2,363,952; Nov. 28.

Findlater, Stevenson, Pittsburgh, Pa., assignor to National Tube Company. Rotating mandrels. 2,363,723; Nov. 28.

Findley, Howard J., Shaker Heights, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Threaded connection and insert. 2,363,662; Nov. 28.

Findley, Howard J., Shaker Heights, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Thread insert. 2,363,663; Nov. 28.

Fish, Stanley W., Springfield, Mass. Combination cleaning tool. 2,363,520; Nov. 28.

Fisher, Alec, Lynn, Mass., assignor to General Electric Company. Regulating circuit. 2,363,856; Nov. 28.

Fitler, Edwin H., Co., The. (See Crossman, Kenneth W., assignor.)

Fleming-Williams, Clifford R., deceased, Hayes, Middlesex, by K. W. Fleming-Williams, Cranford, executrix, assignor to Car Crusier Caravans Limited, Hayes, Middlesex, England. Portable building. 2,363,765; Nov. 28.

Fleming-Williams, Kathrin W., Executrix. (See Fleming-Williams, Clifford R.)

Flesch, Norman, assignor to American Steel Foundries, Chicago, Ill. Railway brake. 2,364,021; Nov. 28.

Fluor Corporation, Ltd., The. (See Hutchinson, Arthur J. L., assignor.)

Food Machinery Corporation. (See Thompson, Albert R., assignor.)

Ford, Everett P., San Francisco, Calif. Wiener vending machine. 2,363,724; Nov. 28.

Forrester, John H., Waldron, Ark. Gas furnace. 2,363,953; Nov. 28.

Foster, Arthur B., et al. (See Greaves-Walker, A. F., and Stone, assignors.)

Fouse, Frederick Z. (See McNamara, W. L., and Fouse.)

Fowler, Elbert, Mount Vernon, N. Y., assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio. Brake control mechanism. 2,363,664; Nov. 28.

Frey, Frederick E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Separating hydrocarbons. 2,363,782; Nov. 28.

Friden Calculating Machine Co. (See Machado, Anthony B., assignor.)

Frosch, Carl J., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Polyesters. 2,363,581; Nov. 28.

Frost, Raymond B. (See Keen, A. W., and Frost.)

Fuller, Everett W. (See Snyder, G. H. S., and Fuller.)

Fulton, Stewart C., Elizabeth, and T. Cross, Jr., Union, N. J., assignors to Standard Oil Development Company. Hydrocarbon treatment. 2,363,858; Nov. 28.

Gallaudet, Edson F., Pine Orchard, Conn. Apparatus for impregnating thread. 2,363,783; Nov. 28.

Gangemi, Philip, West New Brighton, N. Y. Electric chime on winding clocks. 2,363,859; Nov. 28.

Gaunder, Wilbur F., Mount Vernon, Ohio, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Construction for glass melting tanks. 2,363,954; Nov. 28.

General Aniline & Film Corporation. (See Fikentscher, Hans, assignor.)

General Aniline & Film Corporation. (See von Glahn, W. H., and Rottschaefer, assignors.)

General Binding Corporation. (See Emmer, Charles E., assignor.)

General Electric Company. (See Bany, Herman, assignor.)

General Electric Company. (See Bennett, Robert M., assignor.)

General Electric Company. (See Crary, Selden B., assignor.)

General Electric Company. (See Crever, F. E., and Stratton, assignors.)

General Electric Company. (See Crosby, Howard M., assignor.)

General Electric Company. (See D'Alello, Gaetano F., assignor.)

General Electric Company. (See Fisher, Alec, assignor.)

General Electric Company. (See Hull, Albert W., assignor.)

General Electric Company. (See Johnson, Lyman B., assignor.)

General Electric Company. (See Karash, Walter J., assignor.)

General Electric Company. (See Lord, Harold W., assignor.)

General Electric Company. (See McKenney, James F., assignor.)

General Electric Company. (See Minneci, Salvatore, assignor.)

General Electric Company. (See Neher, John H., assignor.)

General Electric Company. (See Partington, Robert M., assignor.)

General Electric Company. (See Smith, Chester W., assignor.)

General Electric Company. (See Stewart, H. C., and Beardsley, assignors.)

General Electric Company. (See Warrington, Albert R. van C., assignor.)

General Electric Company. (See Wilcox, J. F., and Kenefake, assignors.)

General Manifold & Printing Co. (See Lewis, Edward Z., assignor.)

General Mills, Inc. (See Jakobsen, Jakob L., assignor.)

General Motors Corporation. (See Ferris, Donald K., assignor.)

General Motors Corporation. (See Lachapelle, Joseph F., assignor.)

Gentry, Eunice E., administratrix. (See Gentry, John H.)

Gentry, John H., deceased, near Greentown, Ind.; E. E. Gentry, administratrix. Power shovel unit. 2,363,860; Nov. 28.

George, Harry F., Chicago, Ill. Screw cap. 2,363,665; Nov. 28.

Gerber, Jack S., and W. D. Redforn, Bradford, England. Stirring or circulating molten or liquid materials or mediums. 2,363,582; Nov. 28.

Gerich, Valentine, New York, N. Y. Collapsible crane or platform tower. 2,363,784; Nov. 28.

Gillard, Herbert W., Oak Park, assignor to Infilco Incorporated, Chicago, Ill. Scum skimmer. 2,364,022; Nov. 28.

Gillette Safety Razor Company. (See Muros, Joseph, assignor.)

Gillette Safety Razor Company. (See Stampleman, Samuel C., assignor.)

Gillings, Charles, and L. J. Murray, Liverpool, England, assignors, by mesne assignments, to Automatic Electric Laboratories, Inc., Chicago, Ill. Crossbar switch. 2,363,955; Nov. 28.

Gilman, George W., Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Two-way radio-communication. 2,363,583; Nov. 28.

Girdler Corporation, The. (See Miller, Bruce D., assignor.)

Glidden Company, The. (See Julian, P. L., Oberg, and Malter, assignors.)

Glover, William C., Jr., Raytown, assignor to Cleaners Specialties, Inc., Kansas City, Mo. Spotting apparatus. 2,363,956; Nov. 28.

Goff, George H., Fitchburg, Mass., assignor to The Brown Bag Filling Machine Company. Envelope or container. 2,363,957; Nov. 28.

Gold, Sam, Chicago, Ill., assignor to Einson-Freeman Co., Inc., Long Island City, N. Y. Motive power for toys and the like. 2,363,785; Nov. 28.

Goldsmith, Philip H., Wilmington, Del. Cylinder machine construction. 2,363,786; Nov. 28.

Good, John N., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Valve device. 2,363,584; Nov. 28.

Goodale, Harold R., Bristol, Conn. Heating system. 2,363,787; Nov. 28.

Goodman, Emanuel N., New York, N. Y. Demand meter and control therefor. 2,363,958; Nov. 28.

Goodrich, B. F., Company, The. (See Hunter, Willson H., assignor.)

Goodrich, B. F., Company, The. (See Jones, P. C., and Mathes, assignors.)

Goodrich, B. F., Company, The. (See Lessig, E. T., and Cunningham, assignors.)

Goodrich, B. F., Company, The. (See Mathes, R. A., and Jones, assignors.)

Goodyear, Charles H., Stockton, assignor to Fibreboard Products, Inc., San Francisco, Calif. Carton. 2,363,861; Nov. 28.

Goss Printing Press Company, The. (See Taylor, Auburn, assignor.)

Gott, Gordon E. (See Walton, R. R., Austin, and Gott.)

Gottlieb, Nathan, assignor to Spencer Lens Company, Buffalo, N. Y. Lens system. 2,363,788; Nov. 28.

Graham, Herbert A., Goderich, Ontario, Canada. Changeable exhibitor. 2,363,725; Nov. 28.

Grant, Harry C., Jr., New York, N. Y., assignor to Specialties Development Corporation, Bloomfield, N. J. Valve device. 2,363,521; Nov. 28.

Great Atlantic & Pacific Tea Company, The. (See Arens, Egmont, assignor.)

Greaves-Walker, Arthur F., and R. L. Stone, Raleigh, N. C., assignors of one-sixth to A. B. Foster and one-sixth to O. Codier, Washington, D. C., two-sixths to said Greaves-Walker and two-sixths to said Stone. Furnace refractory and making. 2,363,522; Nov. 28.

Green, Walter H., Chicago, Ill., assignor to Infilco Incorporated. Sewage clarifier. 2,364,023; Nov. 28.

Greenawalt, John E., Bronxville, N. Y. Steelmaking. 2,363,666; Nov. 28.

Greenblatt, Louis W., Jr., and G. T. Bixby, Dayton, Ohio. Automatically compensating gun sight. 2,363,523; Nov. 28.

Greene, Rose R., Los Angeles, Calif. Mixing tablet. 2,363,726; Nov. 28.

Greenlor, Maxwell, et al. (See Brockway, Walter L., assignor.)

Griggs, John L., Wichita Falls, Tex. Throttle control. 2,363,727; Nov. 28.

Grinnell Corporation. (See Loepsinger, Albert J., assignor.)

Griswold, Owen H., Trenton, N. J., assignor to Kaiser Cargo, Inc., Bristol, Pa. Locking device. 2,363,667; Nov. 28.

Groen, Donald J., Surbiton, England. Otter board. 2,363,668; Nov. 28.

Grosser, Christian E., Cambridge, Mass., and H. A. Bondeson, Providence, assignors to Standard Machinery Company, Cranston, R. I. Rolling mill. 2,363,585; Nov. 28.

Grube, John H., Pasadena, Calif. Internal-combustion engine valve. 2,364,040; Nov. 28.

Grunwald, Raymond, Chicago, Ill. Polishing machine. 2, 363,728; Nov. 28.

Gruper, Frank J., Jr. (See Tessendorf, C., and Gruper.)

Guarnaschelli, Stephen, Mount Vernon, N. Y., assignor to Packless Metal Products Corporation, New Rochelle, N. Y. Flexible tube coupling. 2,363,586; Nov. 28.

Gurley, W. & L. E., et al. (See Larsen, H. R., and Sonderman, assignors.)

Gustavson, Alvin N., assignor to Automatic Volting Machine Corporation, Jamestown, N. Y. Voting machine. 2,363,729; Nov. 28.

Haas, Otto, Richmond Hill, assignor to Aircraft Screw Products Company, Inc., Long Island City, N. Y. Wire coil insert. 2,363,789; Nov. 28.

Hall, Lloyd A., Chicago, Ill., assignor to N. L. Simmons, Norrie, Wis. Manufacture of nitrogen-fortified whey concentrate. 2,363,730; Nov. 28.

Hancock, Alfred, assignor to Stout Houses, Incorporated, Detroit, Mich. Building structure. 2,363,862; Nov. 28.

Hanes, P. H., Knitting Company. (See Hanes, Pleasant H., assignor.)

Hanes, Pleasant H., assignor to P. H. Hanes Knitting Company, Winston-Salem, N. C. Garment. 2,363,959; Nov. 28.

Hanley, Edward J., Kingston, N. Y., assignor to Hercules Powder Company, Wilmington, Del. Priming composition. 2,363,863; Nov. 28.

Hanlon, Robert H. (See Doster, H. G., and Hanlon.)
Hanna Furnace Corporation, The. (See Beaumont, Glenn A., assignor.)
Hansen, John N. (See Smith, F. B., and Hansen, assignors.)
Hansen, Odd A., Kenmore, assignor to The Linde Air Products Company, New York, N. Y. Apparatus for dispensing a liquefied gas. 2,363,960; Nov. 28.
Hardinge Brothers, Inc. (See Evans, Leigh R., assignor.)
Hardware, Walter, Peterborough, England. Internal gauge for bores. 2,363,587; Nov. 28.
Harper, Henry R. (See Quarfoot, H. B., and Harper.)
Hart, Walter L., Wilwaukee, Wis. Rotary pump. 2,363,961; Nov. 28.
Hartbauer, August W. L., Chicago, Ill. Gasket construction. 2,363,524; Nov. 28.
Harvel Research Corporation. (See Caplan, S., and Harvey, assignors.)
Harvey, Mortimer T. (See Caplan, S., and Harvey.)
Haury, Vernon E. (See Ballard, S. A., and Haury.)
Hayes, Ralph F., North Wilbraham, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Decorative article. 2,364,024; Nov. 28.
Heil, Oskar, Ludwigshafen-on-the-Rhine, Germany, assignor to Radio Corporation of America. High frequency apparatus. 2,363,962; Nov. 28.
Helbush, Herman H. (See Wallace, Frank C., assignor.)
Henkle, Frederick Y., Kingston, Pa. Pipestem. 2,363,669; Nov. 28.
Herbert, Charles C., San Jose, Calif. Dredger. 2,363,790; Nov. 28.
Hercules Powder Company. (See Crater, Willard D., assignor.)
Hercules Powder Company. (See Hanley, Edward J., assignor.)
Hercules Powder Company. (See Jones, Charles L., assignor.)
Herthel, Eugene C., Chicago, Ill. Oil cracking process. 2,363,963; Nov. 28.
Herz, Erwin, New York, N. Y. Toy. 2,363,588; Nov. 28.
Higley, Frank R., Cleveland Heights, and J. Converse, East Cleveland, Ohio, assignors to The Bryant Heater Company. Thermal control device. 2,363,525; Nov. 28.
Hobbs, James C., Painesville, Ohio. Heat exchanger. 2,363,526; Nov. 28.
Holden, William H. T., Woodside, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Self-synchronizing device. 2,363,791; Nov. 28.
Holland-Letz, John, Crown Point, Ind., assignor to The Letz Manufacturing Company. Grain blower attachment. 2,363,589; Nov. 28.
Holmquist, Frederick E., assignor to Kesteman Bros. Mfg. Co., Providence, R. I. Clasp or connector for watch-bracelets or the like. 2,363,590; Nov. 28.
Hoover, Walter S., Montreal, Quebec, Canada. Variable pitch constant speed propeller assembly. 2,363,670; Nov. 28.
Horsley, Lee H., and H. S. Nutting, assignors to The Dow Chemical Company, Midland, Mich. Purification of butadiene. 2,363,527; Nov. 28.
Horvath, Artemy A., assignor to Horvath Laboratories, Inc., Chambersburg, Pa. Treating protein containing materials with fruit materials. 2,363,864; Nov. 28.
Horvath Laboratories, Inc. (See Horvath, Artemy A., assignor.)
Howard, Wallace R. assignor to Rex Manufacturing Co., Inc., Connersville, Ind. Refrigerator cabinet construction. 2,363,591; Nov. 28.
Howson, Arthur V., and N. S. Reed, assignors to Callender's Cable & Construction Company, Limited, London, England. Extensometer. 2,363,964; Nov. 28.
Hubbard, Francis A., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,363,671; Nov. 28.
Hudec, Anthony J. (See Solinski, B. E., and Hudec.)
Hughes-Autograf Brush Company. (See Cosin, Joseph J., assignor.)
Hughes, Everett C. (See Burk, R. E., and Hughes.)
Hull, Albert W., Schenectady, N. Y., assignor to General Electric Company. Electric discharge device. 2,363,865; Nov. 28.
Hulman, Julius, and B. Beaman, Dayton, Ohio. Fluid system pressure booster. 2,363,528; Nov. 28.
Hume, Patrick H. (See De Lamatter, W. W., and Hume.)
Humphner, Ferdinand W., River Forest, assignor to Mid-States Gummed Paper Co., Chicago, Ill. Apparatus for applying and sealing gummed tape. 2,363,866; Nov. 28.
Hunter, Willson H., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Separable connector. 2,363,592; Nov. 28.
Huppert, Oskar, Newark, N. J. Rubberlike interpolymers and preparation of same. 2,364,034; Nov. 28.
Huppert, Oskar, Newark, N. J. Modified soybean protein fiber. 2,364,035; Nov. 28.
Hutchinson, Arthur J. L., assignor to The Fluor Corporation, Ltd., Los Angeles, Calif. Fractionation of hydrate-forming hydrocarbons. 2,363,529; Nov. 28.
Hydraulic Brake Company. (See Miller, Raymond J., assignor.)
Hydraulic Development Corporation, Inc., The. (See Waldie, George A., assignor.)
Iannessa, Attilio. (See Bows, H., and Iannessa.)
Ideal Manufacturing Co. (See Smith, Ray F., assignor.)
Imperial Chemical Industries Limited. (See Caldwell, W. A., and White, assignors.)
Industrial Rayon Corporation. (See Fauver, Stanley T., assignor.)
Infilco Incorporated. (See Gillard, Herbert W., assignor.)
Infilco Incorporated. (See Green, Walter H., assignor.)
Interchemical Corporation. (See Auer, Laszlo, assignor.)
International Harvester Company. (See Land, H. A., and Bocksruker, assignors.)
International Harvester Company. (See Mott, Carl W., assignor.)
International Plastic Corporation. (See Schieman, Gustave, assignor.)
International Projector Corporation. (See Boecking, Ewald, assignor.)
International Resistance Company. (See Pugh, Alexander L., Jr., assignor.)
International Standard Electric Corporation. (See Busignies, Henri G., assignor.)
Ironside, George, assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn. Retarding rate of firing of automatic firearms. 2,363,965; Nov. 28.
Ironside, George, assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn. Regulating the rate of fire of automatic firearms. 2,363,966; Nov. 28.
Isbell, John A. (See Wood, H. A. W., Tollison, R., and Isbell.)
Isely, Malcolm D., Chula Vista, Calif. Hydraulic snubber. 2,363,867; Nov. 28.
Iwashita, George K., Indianapolis, Ind., assignor to Stewart-Warner Corporation, Chicago, Ill. Refrigerator. 2,363,530; Nov. 28.
Jahn, Edward J., Edwardsville, Ill., assignor to Shell Development Company, San Francisco, Calif. Anticorrosive. 2,363,792; Nov. 28.
Jakobsen, Jakob L., Minneapolis, Minn., assignor to General Mills, Inc. Stabilization of shortening. 2,363,672; Nov. 28.
James Manufacturing Company. (See Waterman, A. E., and Tracy, assignors.)
Jandasek, Joseph, Detroit, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind. Turbotransmission. 2,363,731; Nov. 28.
Janney, Laurence A., trustee. (See de Golyer, Anthony G., assignor.)
Jasco, Incorporated. (See Sparks, W. J., and Thomas, assignors.)
Jasper, Thomas M., assignor to A. O. Smith Corporation, Milwaukee, Wis. Multilayer vessel. 2,363,967; Nov. 28.
Jenkins, Graham C., Port Elizabeth, Cape of Good Hope, Union of South Africa. Air drag landing anchor device for aircraft. 2,363,732; Nov. 28.
Jennings, Victor H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Bobbin selector for weft replenishing looms. 2,363,593; Nov. 28.
Jennings, Victor H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Repeater for weft replenishing looms. 2,363,594; Nov. 28.
Jensen, Charles A., Inglewood, Calif. Installing and retaining valve seat inserts. 2,363,673; Nov. 28.
Joesting, Frederick D., Chicago, Ill., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Condition responsive device. 2,363,595; Nov. 28.
John, Henry, Sharon Pa., assignor to Carnegie–Illinois Steel Corporation. Die for punch presses and the like. 2,363,596; Nov. 28.
Johnson, Arthur A., assignor to Automatic Devices Corporation, Bridgeport, Conn. Cigar lighter. 2,363,674; Nov. 28.
Johnson Laboratories, Inc. (See Kirk, Martin J., assignor.)
Johnson, Lyman B., Cleveland Heights, Ohio, assignors to General Electric Company. Electric discharge device and electrode therefor. 2,363,531; Nov. 28.
Johnson, Melvin M., Jr., Brookline, assignor to M. M. Johnson, M. M. Johnson, Jr., and E. E. Rice, as trustees of the Johnson Patent Trust, Boston, Mass. Portable mortar. 2,363,675; Nov. 28.
Johnson, Melvin M., trustee, et al. (See Johnson, Melvin M., Jr., assignor.)
Johnson, Mont C., Winterset, Iowa. Well testing apparatus. 2,363,793; Nov. 28.
Johnson Patent Trust. (See Johnson, Melvin M., Jr.)
Jones, Charles L., assignor to Hercules Powder Company, Wilmington, Del. Packing compositions. 2,363,597; Nov. 28.
Jones, Paul C. (See Mathes, R. A., and Jones.)
Jones, Paul C., and R. A. Mathes, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Vulcanization of rubber. 2,363,598; Nov. 28.
Jones, Samuel G., Princess Anne County, assignor to Berkeley Machine Works and Foundry Company, Inc., Norfolk, Va. Stoker riser screw. 2,363,968; Nov. 28.
Jones, Taze W., Frederick, assignor of one-half to B. I. Barnes, Boulder, Colo. Mining machine. 2,363,969; Nov. 28.
Jordan, Claude W., Paoli, Pa., assignor to The United Gas Improvement Company. Purifying methyl styrene. 2,363,676; Nov. 28.

Julian, Percy L., Maywood, E. B. Oberg, Evanston, and B. T. Malter, Chicago, Ill., assignors to The Glidden Company, Cleveland, Ohio. Protein compositions of matter and preparing same. 2,363,794; Nov. 28.
Jurgens, Harry R. (See Banks, J. H., and Jurgens.)
Kaiser Cargo, Inc. (See Griswold, Owen H., assignor.)
Kalen, Elvy, New York, N. Y. Toy parachute. 2,363,970; Nov. 28.
Kämmel, Hugo E., Zella-Mehlis, Germany; vested in the Alien Property Custodian. Complementary totalizer. 2,364,025; Nov. 28.
Kapella Limited. (See Reason, Richard E., assignor.)
Karash, Walter J., Annapolis, Md., assignor to General Electric Company. Apparatus for starting and controlling discharge devices. 2,363,868; Nov. 28.
Karish, Karl, Brooklyn, N. Y. Woodworking machine attachment. 2,363,869; Nov. 28.
Karlsson, Per H., Wellsville, and E. A. Lundstrom, assignors to The Air Preheater Corporation, New York, N. Y. Temperature control of heat transfer surfaces. 2,363,870; Nov. 28.
Karol, Josef, Van Nuys, Calif. Ventilator. 2,363,733; Nov. 28.
Karpen, S., & Bros. (See Bows, H., and Iannessa, assignors.)
Katz, Morris, Bronx, N. Y. Ventilated shopping bags and constructing the same. 2,363,971; Nov. 28.
Keeling, William O., Independence, Mo. Vapor phase cracking process. 2,363,532; Nov. 28.
Keen, Alexis W., Packanack Lake, and R. B. Frost, Rutherford, N. J., assignors to United States Rubber Company, New York, N. Y. Making electrical conductors. 2,363,871; Nov. 28.
Keil, Havard L. (See Conquest, V., and Keil.)
Keiser, Bernhard. (See De Grotte, M., and Keiser.)
Keiser, Bernhard. (See De Groote, M., Keiser, and Wirtel.)
Keller Tool Company. (See Shaff, Ernest H., assignor.)
Kellogg, Homer G., assignor to Motor Products Corporation, Detroit, Mich. Method and apparatus for manufacturing metal nailing strips. 2,363,972; Nov. 28.
Kelsey-Hayes Wheel Company. (See Sinclair, Charles W., assignor.)
Kenefake, Edwin W. (See Wilcox, J. F., and Kenefake.)
Kennedy, James M., A. P. Knight, and H. J. Lee, assignors to Revere Copper and Brass Incorporated, Rome, N. Y. Method of copper plating stainless steel cooking vessels. 2,363,973; Nov. 28.
Kessenich, Gregory J. (See Thibodeau, W. E., and Kessenich.)
Kestenman Bros. Mfg. Co. (See Holmquist, Frederick E., assignor.)
Kiessling, Max, assignor to The American Fastener Company, Waterbury, Conn. Chin strap buckle. 2,363,872; Nov. 28.
King, Frank A., Los Angeles, Calif. Reeling mechanism. 2,363,533; Nov. 28.
Kirby, Walter G., and L. E. Steinle, Naugatuck, Conn., assignors to United States Rubber Company, New York, N. Y. Reclaiming waste polychloroprenes. 2,363,873; Nov. 28.
Kirk, Martin J., assignor to Johnson Laboratories, Inc., Chicago, Ill. Tensioning device for winding machines. 2,363,677; Nov. 28.
Kirkpatrick, Henry O., assignor, by mesne assignments, to Advance Manufacturing, Incorporated, Detroit, Mich. Mounting for refrigerating apparatus and the like. 2,363,974; Nov. 28.
Kline, John E., Grosse Pointe Farms, and D. T. Peden, Ann Arbor, assignors to Micromatic Hone Corporation, Detroit, Mich. Honing device. 2,363,975; Nov. 28.
Kline, Wallace E., Perryville, Mo., assignor to The Puritan Manufacturing Company, Boston, Mass. Sewing machine attachment. 2,363,976; Nov. 28.
Knight, Arthur P. (See Kennedy, J. M., Knight, and Lee.)
Krebs, Robert W., Baton Rouge, La., assignor to Standard Oil Development Company. Process and apparatus for treating fluids. 2,363,874; Nov. 28.
Kreisinger, Henry, Piermont, and V. Z. Caracristi, Bronxville, assignors to Combustion Engineering Company, Inc., New York, N. Y. Combustion zone control. 2,363,875; Nov. 28.
Kronfeld, Maxim, New York, N. Y. Hot-water heating system. 2,363,795; Nov. 28.
Kucher, Andrew A., Grosse Pointe Farms, assignor to Bendix Aviation Corporation, Detroit, Mich. Motor vehicle. 2,363,977; Nov. 28.
Kulka, Eugene R., Mount Vernon, N. Y. Combination lamp holder and starter holder. 2,363,734; Nov. 28.
Kurth, Ervin F., U. S. Army, Washington, D. C., and E. L. Briggs, High Point, N. C. Two-decker bed. 2,363,599; Nov. 28.
Lachapelle, Joseph F., West Chester, Pa., assignor to General Motors Corporation, Detroit, Mich. Automatic starter switch. 2,363,534; Nov. 28.
Lake, Ralph W., Yreka, Calif. Ophthalmic mounting. 2,363,978; Nov. 28.
La Lande, William A., Jr., Upper Darby, assignor to Attapulgus Clay Company, Philadelphia, Pa. Improved fullers-earth and preparation thereof. 2,363,876; Nov. 28.
Lamb, Anthony H., Elizabeth, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Encased electrical device. 2,363,796; Nov. 28.
Lambach, Fritz, Tenafly, N. J. Knitting machine. 2,363,535; Nov. 28.
Lamtex Equipment Corporation. (See Collins, Hubert D., assignor.)
Land, Harry A., Chicago, and A. F. Bocksruker, Berwyn, Ill., assignors to International Harvester Company. Power transmission mechanism. 2,363,979; Nov. 28.
Lane, George W., Clifton, assignor to Van Vlaanderen Machine Co., Paterson, N. J. Machine for winding fabrics. 2,363,678; Nov. 28.
Langley Aviation Corporation. (See Bendix, Vincent, assignor.)
Larsen, Harold R., and J. B. Sonderman, assignors to W. & L. E. Gurley, Troy, N. Y. Theodolite. 2,363,877; Nov. 28.
Laucius, Joseph F. (See Sparks, C. E., and Laucius.)
Lauck, Francis W., assignor to A. O. Smith Corporation, Milwaukee, Wis. Head for glass-lined tanks. 2,363,980; Nov. 28.
Lawlor, Reed C., Pasadena, Calif. Avigation system. 2,363,600; Nov. 28.
Leathers, Chester F., Detroit, Mich., assignor to Progressive Welder Company. Welding mechanism. 2,363,536; Nov. 28.
Lee, Harold J. (See Kennedy, J. M., Knight, and Lee.)
Lehmann, Herbert G., Wood-Ridge, N. J., assignor to Automatic Devices Corporation, Bridgeport, Conn. Cigar lighter. 2,363,679; Nov. 28.
Lemberg, Joseph, New York, N. Y. Gun. 2,363,878; Nov. 28.
Leslie, Freeland H., Chicago, Ill. Slant roof louver. 2,363,879; Nov. 28.
Lessig, Edward T., Silver Lake, and E. N. Cunningham, Cuyahoga Falls, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Improving the adhesion of rubber to fibrous materials and product thereof. 2,363,981; Nov. 28.
Letz Manufacturing Company, The. (See Holland-Letz, John, assignor.)
Lewis, Edward Z., Evanston, Ill., assignor to General Manifold & Printing Co. Duplicating pad or pack. 2,363,601; Nov. 28.
Lewis Invisible Stitch Machine Company. (See Weissenberg, Curt H., assignor.)
Libbey-Owens-Ford Glass Company. (See Dieter, Walter G., assignor.)
Libbey-Owens-Ford Glass Company. (See Walters, Emmett L., assignor.)
Libby, James W., Jr. (See Rossander, S. S., Libby, and Woodward.)
Libby, James W., Jr., Louisville, Ky., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Coloring of textile fiber. 2,363,537; Nov. 28.
Libby, James W., Jr., Louisville, Ky., and H. E. Woodward, Penns Grove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Azo pigments of the phthalocyanine series. 2,363,905; Nov. 28.
Lichten, Maurice A., West Orange, N. J. Liquid measurer. 2,363,602; Nov. 28.
Lieber, Eugene, West New Brighton, Staten Island, N. Y., and A. F. Cashman, Bayonne, N. J., assignors to Standard Oil Development Company. Lubricants. 2,363,880; Nov. 28.
Lilly, Eli, and Company. (See Barnard, Robert D., assignor.)
Lilly, Eli, and Company. (See Stuart, Elmer H., assignor.)
Linde Air Products Company, The. (See Hansen, Odd A., assignor.)
Lockridge, William R., administrator. (See Loughridge, Matthew H.)
Loepsinger, Albert J., Providence, R. I., assignor to Grinnell Corporation. Spring support. 2,363,538; Nov. 28.
Lord, Harold W., Schenectady, N. Y., assignor to General Electric Company. Reactor. 2,363,881; Nov. 28.
Lord, Lewis A., Chicago, Ill. Moist heat pad. 2,363,735; Nov. 28.
Lorenz, David M. (See Smith, Travis O., assignor.)
Losse Ranch. (See Dale, George L., assignor.)
Loughridge, Matthew H., deceased, Bogota, N. J.; W. R. Lockridge, administrator. Siphon system. 2,363,539; Nov. 28.
Lovfald, Peer, Middletown, N. J. Unit loading cargo vessel. 2,363,797; Nov. 28.
Lowe, Russell E. (See Morgan, John D., and Lowe.)
Lucas, John E., Oklahoma City, Okla. Well pump. 2,363,603; Nov. 28.
Luce, Richard W., Southport, Conn. Threaded locking device. 2,363,680; Nov. 28.
Lundgren, Jacob, assignor to Tinius Olsen Testing Machine Company, Philadelphia, Pa. Balance calculator. 2,364,026; Nov. 28.
Lundstrom, Ernest A., Wellsville, assignor to The Air Preheater Corporation, New York, N. Y. Dust separating fan. 2,363,882; Nov. 28.
Lundstrom, Ernest A. (See Karlsson, P. H., and Lundstrom.)
Luzky, Fred, East Cleveland, assignor to The Mid-West Forge Company, Cleveland, Ohio. Apparatus for die rolling billets. 2,363,883; Nov. 28.

Lynn, John N., Towson, assignor to Rustless Iron and Steel Corporation, Baltimore, Md. Stainless steel process. 2,363,736; Nov. 28.

Machado, Anthony B., Oakland, Calif., assignor to Friden Calculating Machine Co., Inc. Calculating machine. 2,363,737; Nov. 28.

MacKay, John A., Barberton, and C. H. Nagel, Akron, assignors to The Sun Rubber Company, Barberton, Ohio. Method and apparatus for making sponge rubber cushions or like articles. 2,364,036; Nov. 28.

Madsen, Martin and W. M., Alhambra, Calif. Combined elevator and rock picker. 2,363,682; Nov. 28.

Madsen, Walter M. (See Madsen, Martin and W. M.)

Mahurin, Allen G., Seal Beach, Calif. Potential indicator. 2,363,799; Nov. 28.

Mallina, Rudolph F., Hastings on Hudson, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Switching mechanism. 2,363,683; Nov. 28.

Mallory, Marion, Detroit, Mich. Engine governor. 2,363,887; Nov. 28.

Malter, Bernard T. (See Julian, P. L., Oberg, and Malter.)

Marathon Corporation. (See Tessendorf, C., and Gruper, assignors.)

Marinsky, Davis. (See Morin, Louis H., assignor.)

Marshall, Alfred L., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Stabilized vinyl aromatic resinous compositions. 2,364,027; Nov. 28.

Martin, Floyd R., East Moline, assignor to Deere & Company, Moline, Ill. Pickup device for harvester platforms. 2,363,888; Nov. 28.

Martin, Gustav J., Elmhurst, and M. R. Thompson, Great Neck, assignors to William R. Warner & Company, Inc., New York, N. Y. Detoxicant. 2,363,541; Nov. 28.

Martin, Stoddard B., Lakewood, Ohio. Pusher. 2,363,889; Nov. 28.

Martin, Stoddard B., Lakewood, Ohio. Pusher. 2,363,890; Nov. 28.

Maseng, Olav, assignor to Square D Company, Detroit, Mich. Arc suppressor. 2,363,606; Nov. 28.

Mather, Albert G. (See Zipper, Charles F., assignor.)

Mather, Percy, and L. A. Mekler, assignors to Universal Oil Products Company, Chicago, Ill. Catalytic reactor. 2,363,738; Nov. 28.

Mathes, Roger A. (See Jones, P. C., and Mathes.)

Mathes, Roger A., Akron, and P. C. Jones, Silver Lake, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Aminoalkyl sulphide-aldehyde reaction product. 2,363,607; Nov. 28.

McAvity, T., & Sons Limited. (See Blanchard, Frederick W., assignor.)

McCleary, Rush F., and J. R. Morris, Beacon, assignors to The Texas Company, New York, N. Y. Lubricant. 2,363,884; Nov. 28.

McCulloch, Frederick L., Tampa, Fla. Citrus fruit juice expressing machine. 2,363,798; Nov. 28.

McCune, Joseph C., Edgewood, and G. K. Newell, near Pitcairn, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Power drive mounting apparatus. 2,363,604; Nov. 28.

McDonnell Aircraft Corporation. (See Drake, Charles W., assignor.)

McKeen, Henry W., Hurley, N. Mex. Skimmer. 2,363,885; Nov. 28.

McKenney, James F., Pittsfield, Mass., assignor to General Electric Company. Electric switching mechanism. 2,363,886; Nov. 28.

McLintock, John, Mount Vernon, Glasgow, Scotland. Piston and cylinder construction. 2,363,605; Nov. 28.

McNamara, William L., and F. Z. Fouse, assignors to Anchor Hocking Glass Corporation, Lancaster, Ohio. Lehr loader. 2,363,681; Nov. 28.

McVey, Christian M., Denville, N. J. Apparatus for stamping. 2,363,540; Nov. 28.

Medart, Fred, Manufacturing Company. (See Albach, F., and Chervenka, assignors.)

Meisenheimer, Klaus, and A. Scheuermann, Ludwigshafen-on-the-Rhine, Germany; vested in the Alien Property Custodian. Production of hydrocarbons. 2,363,739; Nov. 28.

Mekler, Lev A. (See Mather, P., and Mekler.)

Melaas, Iver P., Stony Brook, Minn. Animal trap with auxiliary spring. 2,363,740; Nov. 28.

Meltzer, Louis, New York, N. Y. Hat blocking and stretching machine. 2,363,982; Nov. 28.

Meyer, Maximilian C., Brooklyn, N. Y., assignor to Duranol Products, Inc. Display and dispensing stand. 2,363,542; Nov. 28.

Micromatic Hone Corporation. (See Kline, J. E., and Peden, assignors.)

Mid-States Gummed Paper Co. (See Humphner, Ferdinand W., assignor.)

Mid-West Forge Company, The. (See Luzky, Fred, assignor.)

Mid-West Forge Company, The. (See Ruden, Arthur C., assignor.)

Miller, Bruce De Haven, Louisville, Ky., assignor to The Girdler Corporation. Container filling apparatus. 2,363,543; Nov. 28.

Miller Printing Machinery Co. (See Saul, August A., assignor.)

Miller Printing Machinery Co. (See Sinkovitz, Joseph, assignor.)

Miller, Raymond J., assignor to Hydraulic Brake Company, Detroit, Mich. Turbotransmission. 2,363,983; Nov. 28.

Miller, Robert D. (See Muzzey, D. S., Jr., and Miller.)

Minneapolis-Honeywell Regulator Company. (See Joesting, Frederick D., assignor.)

Minneapolis-Honeywell Regulator Company. (See Robb, Joseph E., assignor.)

Minneci, Salvatore, Pittsfield, Mass., assignor to General Electric Company. Electric circuit. 2,363,891; Nov. 28.

Moffett, Le Roy, Baldwin, New York, N. Y., assignor to Radio Corporation of America. Television system. 2,363,800; Nov. 28.

Mogey, Halley W., Stamford, assignor to The Perkin-Elmer Corporation, Glenbrook, Conn. Method and apparatus for finishing prims. 2,363,544; Nov. 28.

Monier, Jean B., Montreal, Quebec, Canada. Gelatin derivatives and making same. 2,363,892; Nov. 28.

Monier, Jean B., Montreal, Quebec, Canada. Modified phenol-aldehyde resinous materials and making same. 2,363,893; Nov. 28.

Monsanto Chemical Company. (See Hayes, Ralph F., assignor.)

Monsanto Chemical Company. (See Marshall, Alfred L., assignor.)

Montgomery, Donald H., West Hartford, assignor to The New Britain Machine Company, New Britain, Conn. Heat treating. 2,363,741; Nov. 28.

Montgomery, Terryl B., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Control system. 2,363,684; Nov. 28.

Morehead, John H., Long Beach, Calif. Measuring instrument. 2,363,545; Nov. 28.

Morgan Construction Company. (See Young, R. W., and Fay, assignors.)

Morgan, John D., South Orange, and R. E. Lowe, East Orange, N. J., assignors to Cities Service Oil Company, New York, N. Y. Gasoline insoluble lubricant. 2,363,984; Nov. 28.

Morin, Louis H., Bronx, assignor of one-half to D. Marinsky, Bronx, N. Y. Casting chain and the like. 2,363,801; Nov. 28.

Morris, John R. (See McCleary, R. F., and Morris.)

Moser, Wilhelm, Berlin, Germany; vested in the Alien Property Custodian. Automatic volume control device. 2,363,985; Nov. 28.

Motor Products Corporation. (See Kellogg, Homer G., assignor.)

Mott, Carl W., La Grange, Ill., assignor to International Harvester Company. Load-moving machine. 2,363,986; Nov. 28.

Muros, Joseph, Cambridge, assignor to Gillette Safety Razor Company, Boston, Mass. Safety razor. 2,363,608; Nov. 28.

Muros, Joseph, Cambridge, assignor to Gillette Safety Razor Company, Boston, Mass. Safety razor. 2,363,609; Nov. 28.

Muros, Joseph, Cambridge, assignor to Gillette Safety Razor Company, Boston, Mass. Magazine safety razor. 2,363,610; Nov. 28.

Muros, Joseph, Cambridge, assignor to Gillette Safety Razor Company, Boston, Mass. Safety razor and blade. 2,363,894; Nov. 28.

Murray, Lawrence J. (See Gillings, C., and Murray.)

Muzzey, David S., Jr., and R. D. Miller, Houston, Tex., assignors to Shell Development Company, San Francisco, Calif. Apparatus for electrical exploration. 2,363,987; Nov. 28.

Nagel, Charles H. (See MacKay, J. A., and Nagel.)

Nasmith, John W., Heaton Mersey, Manchester, England. Combing machine. 2,363,546; Nov. 28.

National Tube Company. (See Bannister, Bryant, assignor.)

National Tube Company. (See Findlater, Stevenson, assignor.)

Neher, John H., Wynnewood, Pa., assignor to General Electric Company. Protective system. 2,363,895; Nov. 28.

Neuschaefer, Franz, deceased; H. Neushaefer, executrix, assignor to H. Neuschaefer, Rye, N. Y. Manufacturing brushes. 2,363,685; Nov. 28.

Neuschaefer, Helen, executorix. (See Neuschaefer, Franz, assignor.)

New Britain Machine Company, The. (See Montgomery, Donald H., assignor.)

Newell, George K. (See McCune, J. C., and Newell.)

Newell, George K., near Pitcairn, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Inertia operated control device. 2,363,611; Nov. 28.

Newton Brothers (Derby) Limited. (See Newton, Frederick, assignor.)

Newton, Frederick, assignor to Newton Brothers (Derby) Limited, Derby, England. Electric regulator. 2,363,612; Nov. 28.

New York Air Brake Company, The. (See Sudduth, Henry N., assignor.)

Niles-Bement-Pond Company. (See Dexter, Albert M., Jr., assignor.)

North American Aviation, Inc. (See Schmued, Edgar, assignor.)

Norton, John A., Indianapolis, Ind. Furnace. 2,363,742; Nov. 28.

Novak, Stephen T., Dayton, Ohio. Trigger-pull measuring device. 2,363,547; Nov. 28.

Nutting, Howard S. (See Horsley, L. H., and Nutting.)

Oberg, Elmer B. (See Julian, P. L., Oberg, and Malter.)

Odin Corporation. (See Svenson, Ernest J., assignor.)

Ohio Injector Company, The. (See Doster, H. G., and Hanlon, assignors.)

Olcott, Charles A., West Milford, N. J. Gear driving means for centrifugal machines. 2,363,613; Nov. 28.

Oliver United Filters Incorporated. (See Denhard, Harry W., assignor.)

Olson, Harry F., Haddon Heights, assignor to Radio Corporation of America. Acoustic stethoscope. 2,363,686; Nov. 28.

Oppenauer, Rupert, Amsterdam, Netherlands; vested in the Alien Property Custodian. Manufacture of hydroxy-keto compounds having a cyclopentanopolyhydrophenanthrene nucleus. 2,363,548; Nov. 28.

Packless Metal Products Corporation. (See Guarnaschelli, Stephen, assignor.)

Palmer, Robert C., Youngstown, Ohio. Welded pipe bead eliminator. 2,363,743; Nov. 28.

Paradise, Louis A., and W. J. Coultas, Moline, Ill., and R. L. Dort, Davenport, Iowa, assignors to Deere & Company, Moline, Ill. Implement attachment for tractors. 2,363,897; Nov. 28.

Parker, Walter E., Haverhill, Mass. Spool. 2,363,744; Nov. 28.

Partington, Robert M., New Lebanon, N. Y., assignor to General Electric Company. Protective system. 2,363,898; Nov. 28.

Patented Diamond, Inc. (See Suderov, Max, assignor.)

Patrick, Joseph C., Morrisville, Pa., assignor to Thiokol Corporation, Trenton, N. J. Polysulphide copolymers. 2,363,614; Nov. 28.

Patrick, Joseph C., Morrisville, Pa., assignor to Thiokol Corporation, Trenton, N. J. Polysulphide copolymer. 2,363,615; Nov. 28.

Patrick, Joseph C., Morrisville, Pa., assignor to Thiokol Corporation, Trenton, N. J. Aldehyde copolymer. 2,363,616; Nov. 28.

Patrick, Joseph C., Morrisville, Pa., assignor to Thiokol Corporation, Trenton, N. J. Butadiene polymer composition. 2,363,617; Nov. 28.

Patrick, Joseph C., Morrisville, Pa., assignor to Thiokol Corporation, Trenton, N. J. Butadiene polymer composition. 2,363,618; Nov. 28.

Patterson, John A., Beacon, assignor to The Texas Company, New York, N. Y. Lubricant. 2,363,896; Nov. 28.

Patterson, Walter A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft replenishing loom. 2,363,620; Nov. 28.

Paul, Philip T., Naugatuck, Conn., assignor to United States Rubber Company, New York, N. Y. Antioxidants. 2,363,687; Nov. 28.

Peden, Douglas T. (See Kline, J. E., and Peden.)

Pedersen, Charles J. (See Downing, F. B., and Pedersen.)

Pedersen, Charles J., Penns Grove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilization of organic substances. 2,363,778; Nov. 28.

Penney, J. C., Company. (See Crocker, Glyn H., assignor.)

Perkins-Elmer Corporation, The. (See Mogey, Halley W., assignor.)

Petersen, Hans, assignor to Continental Machines, Incorporated, Minneapolis, Minn. Work guiding and feeding attachment for band saws. 2,363,745; Nov. 28.

Peterson, Burt A., assignor to Barber-Colman Company, Rockford, Ill. Winder. 2,363,988; Nov. 28.

Peterson, Carl D., and A. H. Deimel, Toledo, Ohio. Synchronizing clutch. 2,363,746; Nov. 28.

Peterson, Floyd C., assignor to The Dow Chemical Company, Midland, Mich. Converting water soluble cellulose ethers to sheet form. 2,364,028; Nov. 28.

Peterson, Ralph F. (See Batchelder, G. W., and Peterson.)

Petrolite Corporation, Ltd. (See De Groote, M., and Keiser, assignors.)

Petrolite Corporation, Ltd. (See De Groote, M., Keiser, and Wirtel, assignors.)

Phillips, Harold F., Belmont, Mass. Rotatable article gripping chuck. 2,363,899; Nov. 28.

Phillips Petroleum Company. (See Frey, Frederick E., assignor.)

Phillips Petroleum Company. (See Roach, W. W., and Vinyard, assignors.)

Phillips Petroleum Company. (See Wolk, I. Louis, assignor.)

Pittman, Jesse A., Nashville, Tenn. Attachment for typewriters. 2,363,989; Nov. 28.

Pittsburgh Plate Glass Company. (See Adams, Frederick W., assignor.)

Pittsburgh Plate Glass Company. (See Gaunder, Wilbur F., assignor.)

Pittsburgh Plate Glass Company. (See West, George L., assignor.)

Pollard, Anna E. R., Spokane, Wash. Packing. 2,363,688; Nov. 28.

Priebe, Arthur W., assignor to A. O. Smith Corporation, Milwaukee, Wis. Preparing and welding metal parts. 2,363,990; Nov. 28.

Prieto, Miguel G., Chicago, Ill. Carrier. 2,363,619; Nov. 28.

Progressive Welder Company. (See Leathers, Chester F., assignor.)

Pugh, Alexander L., Jr., Bala-Cynwyd, assignor to International Resistance Company, Philadelphia, Pa. Molding apparatus. 2,363,900; Nov. 28.

Puritan Manufacturing Company, The. (See Kline, Wallace E., assignor.)

Quarfoot, Harry B., Chicago, and H. R. Harper, Evanston, assignors, by mesne assignments, to Reconstruction Finance Corporation, Chicago, Ill. Pressure operated restraining device for fire extinguishing systems. 2,363,802; Nov. 28.

Rabinowitz, Harold M., Brooklyn, N. Y. Therapeutic agent for the treatment of hypertension. 2,363,549; Nov. 28.

Rackett, Gerald F., Los Angeles, assignor to Technicolor Motion Picture Corporation, Hollywood, Calif. Photographic printing. 2,363,689; Nov. 28.

Radio Corporation of America. (See Breisford, Harlin A., assignor.)

Radio Corporation of America. (See Carlson, Wendell L., assignor.)

Radio Corporation of America. (See Crosby, Murray G., assignor.)

Radio Corporation of America. (See Heil, Oskar, assignor.)

Radio Corporation of America. (See Moffett, Le Roy, assignor.)

Radio Corporation of America. (See Olson, Harry F., assignor.)

Radio Corporation of America. (See Schade, Otto H., assignor.)

Radio Corporation of America. (See Schrader, H. J., and Scheldorf, assignors.)

Radio Corporation of America. (See Somers, Frank J., assignor.)

Radio Corporation of America. (See Wendt, Karl R., assignor.)

Randolph, George T., Owensboro, Ky. Packing compound for stuffing boxes. 2,363,803; Nov. 28.

Rappl, Anton, assignor to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner. 2,363,621; Nov. 28.

Razek, Joseph, Llanerch, assignor to Cochrane Corporation, Philadelphia, Pa. Measuring system. 2,363,690; Nov. 28.

Reach, Milton B., Springfield, Mass. Golf club. 2,363,991; Nov. 28.

Reason, Richard E., assignor to Kapella Limited, Leicester, England. Apparatus for measuring or indicating the degree of surface roughness. 2,363,691; Nov. 28.

Reconstruction Finance Corporation. (See Quarfoot, H. B., and Harper, assignors.)

Redfern, William D. (See Gerber, J. S., and Redfern.)

Reece, Charles W., Bartonville, and J. F. Cooney, assignors of fifty per cent to said Reece, forty per cent to said Cooney, five per cent to G. E. Boettcher, and five per cent to E. G. Reeder, Springfield, Ill. Lever lock for dispensing devices. 2,363,747; Nov. 28.

Reed, Jesse O., Washington, D. C., assignor to Claude R. Wickard, as Secretary of Agriculture of the United States of America, and his successors in office. Production of rosin and turpentine. 2,363,692; Nov. 28.

Reed, Neville S. (See Howson, A. V., and Reed.)

Reeder, Eva G., et al. (See Reece, C. W., and Cooney, assignors.)

Reichert, Carl E., Dayton, Ohio. Differentially controlled surface for lateral and directional control. 2,363,550; Nov. 28.

Reiland, Frank D. (See Reiland, George N., assignor.)

Reiland, George N., Wisconsin Rapids, Wis., assignor to F. D. Reiland, Chicago, Ill. Two directional combustion engine. 2,363,804; Nov. 28.

Reiser, Leo, assignor to A. O. Smith Corporation, Milwaukee, Wis. Support for spherical pressure vessels. 2,363,992; Nov. 28.

Revere Copper and Brass Incorporated. (See Kennedy, J. M., Knight, and Lee, assignors.)

Rex Manufacturing Co. (See Howard, Wallace R., assignor.)

Rhodes, M. H., Inc. (See Rhodes, Marcus H., assignor.)

Rhodes, Marcus H., assignor to M. H. Rhodes, Inc., Hartford, Conn. Escapement. 2,363,993; Nov. 28.

Ricards, Charles L. (See Wood, H. A. W., Tollison, Ricards, and Isbell.)

Rice, Cyrus W., Pittsburgh, Pa. Method of and apparatus for treating boiler water. 2,363,622; Nov. 28.

Rice, Edward E., trustee, et al. (See Johnson, Melvin M., Jr.)

Rich, Gordon F., et al. (See Roberts, Donald A. W., assignor.)

Richter, Walther, Whitefish Bay, assignor to A. O. Smith Corporation, Milwaukee, Wis. Electric induction furnace. 2,363,994; Nov. 28.

Roach, Wendell W., Kansas City, Mo., and R. E. Vinyard, Borger, Tex., assignors to Phillips Petroleum Company. Catalyst chamber. 2,363,623; Nov. 28.

Robb, Joseph E., Lawrence, Kans., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Condition control apparatus. 2,363,748; Nov. 28.

Robb, Walter Y., Whitinsville, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Letoff mechanism for looms. 2,363,996; Nov. 28.

Roberts, Donald A. W., assignor of thirty-two and one-half per cent to R. Winthrop and twenty-five per cent to G. F. Rich, New Plymouth, New Zealand. Apparatus for preparing surgical plaster bandages. 2,363,805; Nov. 28.

Robertshaw Thermostat Company. (See Eskin, Samuel G., assignor.)

Robinson, Thomas E., Tulsa, Okla. File folder seal. 2,363,806; Nov. 28.

Robinson, William H., Limestone, assignor to Wheeling Steel Corporation, Wheeling, W. Va. Container and closure structure. 2,363,693; Nov. 28.

Roeder, Everett M., Merrick, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Electrical alarm and testing system. 2,363,551; Nov. 28.

Rollman, Ernest E., and R. Beauvais, New York; said Rollman assignor to American Research and Development Corp., Long Island City, N. Y. Shoe sole. 2,363,995; Nov. 28.

Ross, John, and J. A. V. Turck, Jr., New York, N. Y., assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J. Hydrogenation of fatty acid soaps. 2,363,694; Nov. 28.

Ross, Milburn M. (See Duffy, D. H., Wiley, and Ross.)

Rossander, Swanie S., Wilmington, Del., J. W. Libby, Jr., Louisville, Ky., and H. E. Woodward, Penns Grove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Azo pigments of the phthalocyanine series. 2,363,906; Nov. 28.

Rossman, Allen M., Wilmette, Ill. Pull rod carrier. 2,363,552; Nov. 28.

Rothman, Herman J., Springfield, assignor to Universal Dental Company, Philadelphia, Pa. Artificial tooth display card. 2,363,997; Nov. 28.

Rottschaefer, Bernard W. (See von Glahn, W. H., and Rottschaefer.)

Royal Crown Bottling Company of Newark, Inc. (See Stone, George F., assignor.)

Royer, William R., Wilkes-Barre, Pa. Tire chain connector. 2,363,998; Nov. 28.

Rubel, Charles F., assignor to Union Special Machine Company, Chicago, Ill. Sewing machine. 2,363,807; Nov. 28.

Rude, John F., assignor to Blount Plow Works, Evansville, Ind. Tractor-drawn liftable planter. 2,363,749; Nov. 28.

Ruden, Arthur C., Euclid, assignor to The Mid-West Forge Company, Cleveland, Ohio. Method of and apparatus for die rolling. 2,363,553; Nov. 28.

Ruppik, Herbert, Dusseldorf, Germany; vested in The Alien Property Custodian. Continuous casting. 2,363,695; Nov. 28.

Russel, Philip S., assignor to Detroit Lubricator Company, Detroit, Mich. Control system. 2,363,696; Nov. 28.

Rustless Iron and Steel Corporation. (See Lynn, John N., assignor.)

Ryan Aeronautical Co., The. (See Barton, Giles E., assignor.)

Ryan, Commodore D., and E. P. Drake, Los Angeles, Calif., assignors to Commercial Controls Corporation, Trip and control mechanism for mail-treating machines. 2,363,554; Nov. 28.

Ryan, Jean E. L., Larchmont, N. Y. Method and apparatus for manufacture of hollow rubber articles. 2,364,029; Nov. 28.

Samuelson, Otto H., and A. T. Zappia, Indianapolis, Ind. Forming hollow glass articles. 2,363,999; Nov. 28.

Saslaw, Otto, Lyndhurst, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Producing selenium rectifiers. 2,363,555; Nov. 28.

Sauer, George. (See Christensen, N. V., Sauer, and Wallenberg.)

Saul, August A., assignor to Miller Printing Machinery Co., Pittsburgh, Pa. Material handling apparatus. 2,363,556; Nov. 28.

Sawyer Electrical Mfg. Co. (See Sawyer, Marion B., assignor.)

Sawyer, Marion B., assignor to Sawyer Electrical Mfg. Co., Los Angeles, Calif. Electric motor. 2,364,000; Nov. 28.

Savre, Gordon B., assignor to Boonton Molding Company, Boonton, N. J. Unscrewing device for the molding of threaded articles. 2,363,808; Nov. 28.

Schade, Otto H., West Caldwell, N. J., assignor to Radio Corporation of America. Electronic tube circuit. 2,363,809; Nov. 28.

Schanweker, George H., assignor to American Optical Company, Southbridge, Mass. Face shield. 2,363,557; Nov. 28.

Scheldorf, Ranald D. (See Schrader, H. J., and Scheldorf.)

Scheuermann, Arno. (See Meisenheimer, K., and Scheuermann.)

Schieman, Gustave, Bronx, N. Y., assignor to International Plastic Corporation, Morristown, N. J. Translucent fiber tissue pressure-sensitive adhesive tape. 2,364,001; Nov. 28.

Schirmer, Edward, New York, N. Y. Combination bath cloth, soap pad, and massager. 2,363,697; Nov. 28.

Schmitt, John A., Milwaukee, and L. F. Bender, Waukesha, assignor to The Universal Milking Machine Company, Waukesha, Wis. Pulsator. 2,363,558; Nov. 28.

Schmued, Edgar, assignor to North American Aviation, Inc., Inglewood, Calif. Bomb control mechanism. 2,363,750; Nov. 28.

Schoenlaub, Robert A., Tiffin, assignor to Basic Refractories, Inc., Cleveland, Ohio. Magnesia-containing refractories. 2,364,002; Nov. 28.

Schrader, Harold J., Haddonfield, and R. D. Scheldorf, Haddon Heights, N. J., assignors to Radio Corporation of America. Blanking amplifier for cathode ray oscillographs. 2,363,810; Nov. 28.

Schroeder, Wesley D. (See Coleman, G. H., and Schroeder.)

Schultz, Rudolph H., and A. J. Siebert, Brooklyn, N. Y. Wrapping machine. 2,363,751; Nov. 28.

Scott, Dale C., Battleground, Wash. Jack shore. 2,363,752; Nov. 28.

Scruggs, William E., Houston, Tex. Article support. 2,364,003; Nov. 28.

Seeloff, Melvin M. (See Smith, Clyde E., and Seeloff.)

Selnes, Alf K., assignor to Ex-Cell-O Corporation, Detroit, Mich. Grinding machine and method. 2,363,559; Nov. 28.

Setter Bros. Inc. (See Decker, Sol, assignor.)

Shaff, Ernest H., Spring Lake, assignor to Keller Tool Company, Grand Haven, Mich. Fluid operated mechanism. 2,364,004; Nov. 28.

Shearston, Sears R., Miami, Fla. Container. 2,363,811; Nov. 28.

Shell Development Company. (See Ballard, S. A., and Haury, assignors.)

Shell Development Company. (See Jahn, Edward J., assignor.)

Shell Development Company. (See Muzzey, D. S., Jr., and Miller, assignors.)

Shurley, Frederick, Windsor, Ontario, Canada. Automatic handling means for use upon and in conjunction with printing and labeling machines. 2,363,698; Nov. 28.

Siebert, Adam J. (See Schultz, R. H., and Siebert.)

Silver, Walter H., assignor to Deere & Company, Moline, Ill. Two-way plow. 2,363,901; Nov. 28.

Simmons, Nicholas L. (See Hall, Lloyd A., assignor.)

Simons, Morris, Ridgefield, Conn. Forming drawing dies and apparatus therefor. 2,364,005; Nov. 28.

Sinclair, Charles W., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Wheel. 2,363,902; Nov. 28.

Sinclair Refining Company. (See Campbell, Oliver F., assignor.)

Sinkovitz, Joseph, assignor to Miller Printing Machinery Co., Pittsburgh, Pa. Printing apparatus. 2,363,560; Nov. 28.

Skinner Engine Company. (See Skinner, James L., assignor.)

Skinner, James L., assignor to Skinner Engine Company, Erie, Pa. Engine control mechanism. 2,363,812; Nov. 28.

Smith, A. O., Corporation. (See Jasper, Thomas M., assignor.)

Smith, A. O., Corporation. (See Lauck, Francis W., assignor.)

Smith, A. O., Corporation. (See Priebe, Arthur W., assignor.)

Smith, A. O., Corporation. (See Reiser, Leo, assignor.)

Smith, A. O., Corporation. (See Richter, Walther, assignor.)

Smith, Brook I., Elizabeth, N. J., assignor to Standard Oil Development Company. Treating hydrocarbon fluids. 2,363,903; Nov. 28.

Smith, Chester W., Lynn, Mass., assignor to General Electric Company. Gas turbine arrangement. 2,364,037; Nov. 28.

Smith, Clyde E. (See Cooper, J. H., and Smith.)

Smith, Clyde E., Port Homer, and M. M. Seeloff, assignors to The Taylor-Winfield Corporation, Warren, Ohio. Welding apparatus. 2,363,753; Nov. 28.

Smith, Egbert V., Kerrville, Tex. Airplane wing. 2,364,006; Nov. 28.

Smith, Frank B., and J. N. Hansen, Midland, Mich., assignors to The Dow Chemical Company. Cyclohexylamine salts. 2,363,561; Nov. 28.

Smith, Levi R., and R. H. Yoeckel, Waukesha, Wis. Flow regulating and liquid distributing filter system. 2,363,754; Nov. 28.

Smith, Ray F., assignor to Ideal Manufacturing Co., Des Moines, Iowa. Ball-and-socket trailer hitch. 2,363,755; Nov. 28.

Smith, Travis O., Kansas City, Mo., assignor, by mesne assignments, to D. M. Lorenz, Johnson County, Kans. Garbage holder. 2,363,699; Nov. 28.

Snyder, George H. S., and E. W. Fuller, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Mineral oil composition. 2,364,030; Nov. 28.

Socony-Vacuum Oil Company. (See Snyder, G. H. S., and Fuller, assignors.)

Soetbeer, Oscar F., Massapequa Park, N. Y. Optical surface examining apparatus. 2,363,700; Nov. 28.

Soetbeer, Oscar F., Massapequa Park, N. Y. Inspectoscope. 2,363,701; Nov. 28.

Solheim, Russell G., Sawyer, Wis. Pipe hanger press. 2,363,756; Nov. 28.

Solinski, Bruno E., and A. J. Hudec, Cicero, Ill. Ejector fork. 2,363,702; Nov. 28.

Somers, Frank J., Rockville Centre, N. Y., assignor to Radio Corporation of America. Electrical control circuit. 2,363,813; Nov. 28.

Sonderman, John B., et al. (See Larsen, H. R., and Sonderman, assignors.)

Sonneborn, Henry, III. (See Faust, J., and Sonneborn.)

Sonneborn, L., Sons, Inc. (See Faust, J., and Sonneborn, assignors.)

Sparks, Chiles E., and J. F. Laucius, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Dyeing textile fibers. 2,363,904; Nov. 28.

Sparks, William J., Peoria, Ill., and R. M. Thomas, Union N. J., assignors, by mesne assignments, to Jasco, Incorporated. Copolymer compositions. 2,363,703; Nov. 28.

Spear, Walter A., assignor to Victor Electric Products, Inc., Cincinnati, Ohio. Electric fan. 2,363,907; Nov. 28.

Specialties Development Corporation. (See Grant, Harry C., Jr., assignor.)

Spencer Lens Company. (See Bennett, Alva H., assignor.)

Spencer Lens Company. (See Gottlieb, Nathan, assignor.)

Sperry Gyroscope Company. (See Bates, Mortimer F., assignor.)

Sperry Gyroscope Company. (See Carter, L. F., and West, assignors.)

Sperry Gyroscope Company. (See Roeder, Everett M., assignor.)

Square D Company. (See Bierenfeld, Josef, assignor.)

Square D Company. (See Maseng, Olav, assignor.)

Square D Company. (See Van Valkenburg, Hermon L., assignor.)

Stampleman, Samuel C., Cohasset, assignor to Gillette Safety Razor Company, Boston, Mass. Magazine for safety razor blades. 2,363,908; Nov. 28.

Standard Aircraft Products, Inc. (See Blair, Emile, assignor.)

Standard Machinery Company. (See Grosser, C. E., and Bondeson, assignors.)

Standard Oil Company, The. (See Burk, R. E., and Hughes, assignors.)

Standard Oil Company of California. (See Campbell, William E., Jr., assignor.)

Standard Oil Company of California. (See Farrington, B. B., Clayton, and Etzler, assignors.)

Standard Oil Development Company. (See Connolly, Gerald C., assignor.)

Standard Oil Development Company. (See Fulton, S. C., and Cross, assignors.)

Standard Oil Development Company. (See Krebs, Robert W., assignor.)

Standard Oil Development Company. (See Lieber, E., and Cashman, assignors.)

Standard Oil Development Company. (See Smith, Brook I., assignor.)

Standard Oil Development Company. (See Swaney, Miller W., assignor.)

Stanton, Arthur. (See Stanton, Franklin J., assignor.)

Stanton, Franklin J., assignor of one-half to A. Stanton, Brooklyn, N. Y. Shoulder board or similar article. 2,363,814; Nov. 28.

Stanton, Samuel J., Chicago, Ill. Combination game set. 2,364,007; Nov. 28.

Steinle, Leo E. (See Kirby, W. G., and Steinle.)

Stephano Brothers. (See Brightwell, Robert R., assignor.)

Stevens, Philip G., New Haven, Conn., and J. L. E. Erickson, Baton Rouge, La., assignors to Burton T. Bush, Inc., New York, N. Y. Preparing musk materials and product thereof. 2,364,041; Nov. 28.

Stewart, Harold C., and K. D. Beardsley, Pittsfield, Mass., assignors to General Electric Company. Electric circuit. 2,363,909; Nov. 28.

Stewart-Warner Corporation. (See Iwashita, George K., assignor.)

Stone, George F., Nutley, assignor to Royal Crown Bottling Company of Newark, Inc., Newark, N. J. Apparatus for reclaiming crown caps. 2,363,815; Nov. 28.

Stone, Robert L. (See Greaves-Walker, A. F., and Stone.)

Stout Houses, Incorporated. (See Hancock, Alfred, assignor.)

Stover, Harry E., assignor to Anchor Hocking Glass Corporation, Connellsville, Pa. Apparatus for sealing containers. 2,363,704; Nov. 28.

Stratton, Jerry L. (See Crever, F. E., and Stratton.)

Streeter-Amet Company. (See Basquin, Olin H., assignor.)

Stuart, Elmer H., assignor to Eli Lilly and Company, Indianapolis, Ind. Making a nutrient material. 2,364,008; Nov. 28.

Studebaker Corporation, The. (See Wagner, Edward F., assignor.)

Sudduth, Henry N., Watertown, N. Y., assignor to The New York Air Brake Company. Air brake. 2,363,624; Nov. 28.

Suderov, Max, assignor to Patented Diamond, Inc., New York, N. Y. Brilliant type diamond and cutting the same. 2,364,031; Nov. 28.

Sun Rubber Company, The. (See MacKay, J., and Nagel, assignors.)

Svenson, Ernest J., Rockford, assignor, by mesne assignments, to Odin Corporation, Chicago, Ill. Hydraulic actuator and control system. 2,363,706; Nov. 28.

Svenson, Ernest J., Rockford, assignor, by mesne assignments, to Odin Corporation, Chicago, Ill. Hydraulic propelling mechanism. 2,363,707; Nov. 28.

Svikhart, Miles L., Garden City Park, assignor to Western Electric Company, Incorporated, New York, N. Y. Backboard support for telephone coin collectors. 2,363,816; Nov. 28.

Swaney, Miller W., Cranford, N. J., assignor to Standard Oil Development Company. Hydrocarbon drying oils. 2,363,910; Nov. 28.

Swearingen, Judson S., Southton, assignor to J. D. Collett, Jr., Houston, Tex. Sampling device. 2,363,625; Nov. 28.

Taylor, Auburn, Charleston, W. Va., assignor to The Goss Printing Press Company, Chicago, Ill. Printing process and mechanism. 2,363,817; Nov. 28.

Taylor, Taylor & Hobson Limited. (See Warmisham, A., and Wynne, assignors.)

Taylor-Winfield Corporation, The. (See Cooper, J. H., and Smith, assignors.)

Taylor-Winfield Corporation, The. (See Smith, C. E., and Seeloff, assignors.)

Technicolor Motion Picture Corporation. (See Rackett, Gerald F., assignor.)

Templeman, John P., Chicago, Ill. Combined gear and winding drum. 2,363,757; Nov. 28.

Tennessee Coal, Iron and Railroad Company. (See Auten, Claude I., assignor.)

Tessendorf, Charles, Neenah, and F. J. Gruper, Jr., Menasha, Wis., assignors to Marathon Corporation. Making bags. 2,364,009; Nov. 28.

Texas Company, The. (See McCleary, R. F., and Morris, assignors.)

Texas Company, The. (See Patterson, John A., assignor.)

Thibodeau, Wilfred E., Cleveland, Ohio, and G. J. Kessenich, Madison, Wis. Firing mechanism barrier. 2,363,562; Nov. 28.

Thiokol Corporation. (See Patrick, Joseph C., assignor.)

Thomas, Charles L., assignor to Universal Oil Products Company, Chicago, Ill. Hydrocarbon conversion. 2,363,911; Nov. 28.

Thomas, Robert M. (See Sparks, W. J., and Thomas.)

Thompson, Albert R., Los Gatos, assignor to Food Machinery Corporation, San Jose, Calif. Food processing apparatus. 2,363,818; Nov. 28.

Thompson, Ernest S., Stockton, Calif. Wire stripping tool. 2,363,758; Nov. 28.

Thompson, Marvin R. (See Martin, G. J., and Thompson, assignors.)

Thompson, Parke H., Glendale, Mo. Refrigerating mechanism. 2,363,705; Nov. 28.

Tide Water Associated Oil Company. (See Winding, Charles C., assignor.)

Tinius Olsen Testing Machine Company. (See Lundgren, Jacob, assignor.)

Tollison, Paul L. (See Wood, H. A. W., Tollison, Ricards, and Isbell.)

Tormey, James S. (See Barnhart, R. M., and Tormey.)

Touborg, Jens, Tecumseh, Mich. Hermetic refrigeration compressor. 2,364,038; Nov. 28.

Tracy, Harold B. (See Waterman, A. E., and Tracy.)

Trico Products Corporation. (See Rappl, Anton, assignor.)

Turck, Joseph A. V., Jr. (See Ross, J., and Turck.)

Underwood, Ethan R., Elizabeth, N. J. Gravity actuated alarm circuit closer. 2,364,010; Nov. 28.

Union Special Machine Company. (See Christensen, N. V., Sauer, and Wallenberg, assignors.

Union Special Machine Company. (See Rubel, Charles F., assignor.)

Union Switch & Signal Company, The. (See Bone, Herbert L., assignor.)

United Gas Improvement Company, The. (See Jordan, Claude W., assignor.)

United States Plywood Corporation. (See Bailey, William C., assignor.)

United States Rubber Company. (See Daly, Lawrence E., assignor.)

United States Rubber Company. (See Keen, A. W., and Frost, assignors.)

United States Rubber Company. (See Kirby, W. G., and Steinle, assignors.)

United States Rubber Company. (See Paul, Philip T., assignor.)

Universal Dental Company. (See Rothman, Herman J., assignor.)

Universal Milking Machine Company, The. (See Schmitt, J. A., and Bender, assignors.)

Universal Oil Products Company. (See Mather, Percy, and Mekler, assignors.)

Universal Oil Products Company. (See Thomas, Charles L., assignor.)

Universal Oil Products Company. (See Zetterholm, Earl E., assignor.)

Urquhart, Kenneth M., New York, N. Y. Gas producer system. 2,363,708; Nov. 28.

Utility Trailer Manufacturing Company. (See Barnhart, R. M., and Tormey, assignors.)

Uzmann, George J., Rockville Centre, N. Y., assignors to Aerovox Corporation, New Bedford, Mass. Aerial warfare. 2,363,626; Nov. 28.

Valve Pilot Corporation. (See Welden, Fay D., assignor.)

Van der Schalie, Hendrik, Ridgewood, N. J. Film device. 2,363,627; Nov. 28.

Van Valkenburg, Hermon L., Wauwatosa, Wis., assignor to Square D Company, Detroit, Mich. Electric switch. 2,363,912; Nov. 28.
Van Vlaanderen Machine Co. (See Lane, George W., assignor.)
Varga, Mike, New York, N. Y. Lawn mower. 2,364,039; Nov. 28.
Victor Electric Products, Inc. (See Spear, Walter A., assignor.)
Vidal, Charles H., London, England. Machine-tool chuck. 2,363,709; Nov. 28.
Vinson, Neal L., Mill Valley, Calif. Air-cooled gun barrel. 2,363,563; Nov. 28.
Vinyard, Roy E. (See Roach, W. W., and Vinyard.)
Von Glahn, William H., Loudonville, and B. W. Rottschaefer, Albany, assignors to General Aniline & Film Corporation, New York, N. Y. Diphenyl compounds. 2,363,819; Nov. 28.
Wagner, Edward F., Lakeville, assignor to The Studebaker Corporation, South Bend, Ind. Door operating mechanism. 2,363,913; Nov. 28.
Wakefield, George P., Vermilion, Ohio. Paper doll set and the like. 2,363,914; Nov. 28.
Wakefield, Walter H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Filling mixing weft replenishing loom. 2,363,628; Nov. 28.
Wakefield, Walter H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Repeater mechanism for weft replenishing looms. 2,363,629; Nov. 28.
Waldheim, John, Elizabeth, N. J. Pulley clothesline and holder therefor. 2,363,564; Nov. 28.
Waldie, George A., Dayton, Ohio, assignor to The Hydraulic Development Corporation, Inc., Wilmington, Del. Charging device for casting machines. 2,363,759; Nov. 28.
Waldie, George A., Edison, Ohio, assignor to The Hydraulic Development Corp., Inc., Wilmington, Del. Control system. 2,363,760; Nov. 28.
Wales, George F., Kenmore, N. Y. Notching apparatus. 2,363,630; Nov. 28.
Wales, George F., Kenmore, N. Y. Punching machine. 2,364,011; Nov. 28.
Wallace, Frank C., Los Angeles, assignor, by mesne assignments, to H. H. Helbush, Beverly Hills, Calif. Fastener. 2,363,710; Nov. 28.
Wallenberg, Ned. (See Christensen, N. V., Sauer, and Wallenberg.)
Walsh, Carroll H., Pine Bluff, Ark. Tank-wall temperature indicator. 2,363,711; Nov. 28.
Walters, Emmett L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Supporting bed for glass sheets. 2,363,631; Nov. 28.
Walton, Richard R., Wellesley, J. J. Austin, Milton, and G. E. Gott, Arlington Heights, assignors of one-half to Container Corporation of America, Chicago, Ill., and one-half to Dewey and Almy Chemical Company, Cambridge, Mass. Container. 2,364,012; Nov. 28.
Ward, Emmett E., Stockton, Calif. Combination binder and clip. 2,363,761; Nov. 28.
Wardan, John, Hartford, Conn. Windshield-visor-clamp combination. 2,363,762; Nov. 28.
Warmisham, Arthur, and C. G. Wynne, assignors to Taylor, Taylor & Hobson Limited, Leicester, England. Optical objective. 2,363,712; Nov. 28.
Warner, William R., & Company. (See Martin, G. J., and Thompson, assignors.)
Warriner, Percy S., Doncaster, England. Apparatus for the automatic projection of photographic transparencies and the like. 2,363,820; Nov. 28.
Warrington, Albert R. van C., Wallingford, Pa., assignor to General Electric Company. Protective system. 2,363,915; Nov. 28.
Waseige, Charles R., Saint-Etienne, Loire, France; vested in the Alien Property Custodian. Engine compressor-generator unit. 2,364,013; Nov. 28.
Waterman, Arthur E., and H. B. Tracy, assignors to James Manufacturing Company, Fort Atkinson, Wis. Knocked down shelter building. 2,363,916; Nov. 28.
Waterman, Arthur E., and H. B. Tracy, assignors to James Manufacturing Company, Fort Atkinson, Wis. Shelter building. 2,363,917; Nov. 28.
Weaver, Douglas E., San Leandro, Calif. Threshing machine. 2,363,632; Nov. 28.
Webster Electric Company. (See Dally, Roy, assignor.)
Webster, Samuel W., Houston, Tex., assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif. Liquid level control for hydromatic brakes. 2,363,821; Nov. 28.
Weissenberg, Curt H., St. Albans, assignor to Lewis Invisible Stitch Machine Company, New York, N. Y. Combined seaming and trimming machine. 2,363,713; Nov. 28.
Welch, Jerome B., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Device for control of current impulses. 2,363,714; Nov. 28.
Welden, Fay D., Tuckahoe, assignor to Valve Pilot Corporation, New York, N. Y. Drive for valve cutoff indicators. 2,363,633; Nov. 28.
Wells, Adoniram J., Wilmington, Del., assignor to B. B. Chemical Co., Boston, Mass. Tempering leather. 2,363,715; Nov. 28.
Wendt, Karl R., Audubon, N. J., assignor to Radio Corporation of America. Saw-tooth deflection. 2,363,822; Nov. 28.
Werts, Howard D., La Salle, Ill. Clock. 2,363,763; Nov. 28.
West, Francis, Jr. (See Carter, L. F., and West.)
West, George L., Pittsburgh, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Glass-lined container. 2,364,014; Nov. 28.
Western Electric Company. (See Svikhart, Miles L., assignor.)
Westinghouse Air Brake Company. (See Farmer, Clyde C., assignor.)
Westinghouse Air Brake Company, The. (See Good, John N., assignor.)
Westinghouse Air Brake Company, The. (See McCune, J. C., and Newell, assignors.)
Westinghouse Air Brake Company, The. (See Newell, George K., assignor.)
Weston Electrical Instrument Corporation. (See Lamb, Anthony H., assignor.)
Wheeling Steel Corporation. (See Robinson, William H., assignor.)
White, Albert G. (See Caldwell, W. A., and White.)
White, Clayton, F. A. Stelton, N. J., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Color photography. 2,363,764; Nov. 28.
Wiggins, John H., Chicago, Ill. Gas holder. 2,363,565; Nov. 28.
Wilcox, James F., Scotia, and E. W. Kenefake, Schenectady, N. Y., assignors to General Electric Company. Reactive electron discharge circuits. 2,363,918; Nov. 28.
Wiley, James W. (See Duffy, D. H., Wiley, and Ross.)
Williams, Henry C., North Hollywood, Calif. Autographic register ticket for cleaners and dyers. 2,363,919; Nov. 28.
Williams, Robert A., assignor to Ditto, Incorporated, Chicago, Ill. Pressure compensator for duplicating machines. 2,363,766; Nov. 28.
Wincharger Corporation. (See Albers, John R., assignor.)
Winding, Charles C., Ithaca, N. Y., assignor to Tide Water Associated Oil Company, Bayonne, N. J. Silicate compositions. 2,364,015; Nov. 28.
Winthrop, Ronald, et al. (See Roberts, Donald A. W., assignor.)
Wirtel, Arthur F. (See De Groote, M., Keiser, and Wirtel.)
Wislicenus, George F., Millburn, assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Propeller adjusting mechanism. 2,363,823; Nov. 28.
Wolk, I. Louis, Bartlesville, Okla., assignor to Phillips Petroleum Company. Catalytic conversion of hydrocarbons. 2,363,716; Nov. 28.
Wolk, I. Louis, Bartlesville, Okla., assignor to Phillips Petroleum Company. Preventing oxidation of rubber. 2,363,717; Nov. 28.
Wolk, I. Louis, Bartlesville, Okla., assignor to Phillips Petroleum Company. Treating hydrocarbons. 2,363,824; Nov. 28.
Wolter, Herman M., San Francisco, Calif. All welded high-pressure water tube boiler. 2,363,718; Nov. 28.
Wood Conversion Company. (See Brownlee, Robert N., assignor.)
Wood, Elizabeth O., executrix. (See Wood, H. A. W., Tollison, Ricards, and Isbell.)
Wood, Henry A. W., deceased, New York, N. Y.; E. O. Wood, executrix, and P. L. Tollison, North Plainfield, C. L. Ricards, South Plainfield, and J. A. Isbell, assignors to Wood Newspaper Machinery Corporation, Plainfield, N. J. Plate finishing and cooling machine. 2,364,032; Nov. 28.
Wood Newspaper Machinery Corporation. (See Wood, H. A. W., Tollison, Ricards, and Isbell, assignors.)
Woodward, David W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Substituted propylaminoaromatic sulphonic acids. 2,364,033; Nov. 28.
Woodward, Harold E. (See Libby, J. W., Jr., and Woodward.)
Woodward, Harold E. (See Rossander, S. S., Libby, and Woodward.)
Worthington Pump and Machinery Corporation. (See Wislicenus, George F., assignor.)
Wussow, Reinhard, Berlin-Charlottenburg, and F. W. Fechner, Hamburg, Germany; vested in the Alien Property Custodian. Ice plant operating with compression and evaporation. 2,364,016; Nov. 28.
Wynn, Samuel J. (See Brandt, D. G., and Wynn.)
Wynne, Charles G. (See Warmisham, A., and Wynne.)
Yardeny, Michel N., New York, N. Y. Flashlight attachment. 2,363,825; Nov. 28.
Yassin, Ivor B., Cambridge, Mass. Portable bridge structure. 2,363,767; Nov. 28.
Yellin, Morris, Chicago, Ill. Method and machine for forming plastic spirals. 2,363,826; Nov. 28.
Yeomans, Lucien I., Inc. (See Clausen, De Witt, assignor.)
Yoeckel, Ralph H. (See Smith, L. R., and Yoeckel.)
Young, Richard W., and F. B. Fay, Worcester, Mass. Conveyer mechanism. 2,363,920; Nov. 28.
Zappia, Anthony T. (See Samuelson, O. H., and Zappia.)
Zetterholm, Earl E., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Manufacture of paraxylene. 2,363,768; Nov. 28.
Zipper, Charles F., Des Plaines, assignor to A. G. Mather, Chicago, Ill. Rotary cutting disk. 2,363,769; Nov. 28.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 28TH DAY OF NOVEMBER, 1944

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Beam, Concave reinforced concrete. P. Abeles. Re. 25,569; Nov. 28.
Building construction. W. S. Miles and P. A. Voight. Re. 22,571; Nov. 28.
Flash producing method and apparatus, Electric. B. Miller. Re. 22,572; Nov. 28.
Timer. F. Lux. Re. 22,570; Nov. 28.

LIST OF DESIGN INVENTIONS

Apartment house. G. W. Walker. 139,559; Nov. 28.
Ash tray. M. F. Comstock. 139,538; Nov. 28.
Band for bag frames, Top. J. De Pasquale and A. Westerman. 139,578; Nov. 28.
Bank, Savings. A. S. Ewald. 139,520; Nov. 28.
Board or similar article, Game. W. H. and E. I. Loethen. 139,585; Nov. 28.
Bottle. M. A. Byrd. 139,564; Nov. 28.
Bottle. J. P. Wilde. 139,573; Nov. 28.
Box or similar article, Vanity. C. H. Foster and H. E. Forwell. 139,567; Nov. 28.
Brewer, Coffee. H. L. Frick. 139,543; Nov. 28.
Bridge and tail piece, Combination violin. M. E. Osburn. 139,570; Nov. 28.
Brush, Denture. L. J. Laskin. 139,524; Nov. 28.
Bucket, Cleaning. E. O'Brien. 139,569; Nov. 28.
Button or similar article. W. Drell. 139,514–18; Nov. 28.
Casing, Pump. G. W. Quast. 139,588; Nov. 28.
Clasp for a handbag or similar article. J. De Pasquale and A. Westerman. 139,579; Nov. 28.
Clasp for fountain pen or similar article. R. Loewy. 139,551; Nov. 28.
Clasp, Necktie. G. C. Potts. 139,586; Nov. 28.
Clip for hearing aids. H. W. Darr. 139,565; Nov. 28.
Closet, Water. W. G. Young. 139,563; Nov. 28.
Coat, Hooded. E. Bauer. 139,535; Nov. 28.
Compact. P. A. Derham. 139,513; Nov. 28.
Conduit spacer. W. H. D. Hinchman. 139,568; Nov. 28.
Coupling unit or similar article, Pipe. I. Rocić. 139,572; Nov. 28.
Cultivator. C. Orsett. 139,528; Nov. 28.
Cutting attachment for pencils or the like. H. Vuksich. 139,558; Nov. 28.
Dickey. S. Mirsky. 139,554; Nov. 28.
Dolly. C. S. McCann. 139,552–3; Nov. 28.
Earring or similar article. W. W. Hobé. 139,583; Nov. 28.
Fabric, Textile. L. L. Frank. 139,581–2; Nov. 28.
Flashlight. D. Chapman. 139,577; Nov. 28.
Flashlight. J. W. Kinney, Jr. 139,550; Nov. 28.
Frame, Handbag. R. Lobel. 139,525–6; Nov. 28.
Game board. I. S. Ellicott and E. W. Silber. 139,519; Nov. 28.
Hat or similar article. R. Deutsch. 139,566; Nov. 28.
Insole, Molded. F. J. Diamant. 139,580; Nov. 28.
Jacket. E. Bauer. 139,537; Nov. 28.
Knife or other article of flatware. F. E. Greene. 139,544–8; Nov. 28.
Lighter. M. Omirolis. 139,555; Nov. 28.
Lighter, Cigar and cigarette. W. E. Phillips. 139,571; Nov. 28.
Needle, Phonograph. P. L. Jensen. 139,584; Nov. 28.
Nutcracker. E. J. Carlson. 139,576; Nov. 28.
Outdoor playing card holder. S. Schindler. 139,530; Nov. 28.
Pin or similar article, Brooch. H. De Alteriis. 139,539–42; Nov. 28.
Pitcher. L. H. Russell. 139,529; Nov. 28.
Plastic material, Decorative. A. Westerman and J. De Pasquale. 139,589; Nov. 28.
Play barn. A. A. Olson. 139,527; Nov. 28.
Pullback, Drape. P. L. Hartnett. 139,522; Nov. 28.
Pull toy. H. W. Beaver. 139,574; Nov. 28.
Puzzle. H. H. Wilson. 139,590; Nov. 28.
Rattle. P. E. Allen. 139,510–12; Nov. 28.
Refrigerator. G. W. Walker. 139,533; Nov. 28.
Saddle rigging. O. Larson. 139,523; Nov. 28.
Score board, Pinochle pegging. L. E. Ruddock. 139,587; Nov. 28.
Ship. C. Hannevig. 139,549; Nov. 28.
Shoe. R. Stile and P. Eisenberg. 139,531; Nov. 28.
Spinning toy. J. Bunnell. 139,575; Nov. 28.
Stand, Portable market. W. H. Saabye. 139,557; Nov. 28.
Tie back or similar article, Curtain. M. Roth. 139,556; Nov. 28.
Toothbrush and holder, Combined. L. Trecek. 139,532; Nov. 28.
Transfer sheet for chinaware or the like, Ornamental. T. R. Gluck. 139,521; Nov. 28.
Tray, Beverage serving. W. L. Wentling. 139,560–2; Nov. 28.
Truck, Shelf. W. H. Adams. 139,534; Nov. 28.
Waistcoat. E. Bauer. 139,536; Nov. 28.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 28TH DAY OF NOVEMBER, 1944

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrading machine. C. W. Drake. 2,363,486; Nov. 28.
Adhesive tape, Translucent fiber tissue pressure-sensitive. G. Schieman. 2,364,001; Nov. 28.
Air brake. H. N. Sudduth. 2,363,624; Nov. 28.
Air conditioning register, Unit type. C. Demuth. 2,363,839; Nov. 28.
Air conditioning system. W. H. Carrier. 2,363,945; Nov. 28.
Air conditioning system control arrangement. W. H. Carrier. 2,363,944; Nov. 28.
Airplane wing. E. V. Smith. 2,364,006; Nov. 28.
Alarm circuit closer, Gravity actuated. E. R. Underwood. 2,364,010; Nov. 28.
Aldehyde copolymer. J. C. Patrick. 2,363,616; Nov. 28.
Alloys for cutting tools. A. G. de Golyer. 2,363,947; Nov. 28.
Aminoalkyl sulphide-aldehyde reaction product. R. A. Mathes and P. C. Jones. 2,363,607; Nov. 28.
Amplifier for cathode ray oscillographs, Blanking. H. J. Schrader and R. D. Scheldorf. 2,363,810; Nov. 28.
Anchor device for aircraft, Air drag landing. G. C. Jenkins. 2,363,732; Nov. 28.
Anticorrosive. E. J. Jahn. 2,363,792; Nov. 28.
Antifoam composition for aqueous baths. W. L. Denman. 2,363,922; Nov. 28.
Antioxidant. P. T. Paul. 2,363,687; Nov. 28.
Apparatus for and method of applying metallic coatings by thermal evaporation. L. Ferguson. 2,363,781; Nov. 28.
Apparatus for applying and sealing gummed tape. F. W. Humphner. 2,363,866; Nov. 28.
Apparatus for die rolling billets. F. Luzky. 2,363,883; Nov. 28.
Apparatus for dispensing a liquified gas. O. A. Hansen. 2,363,960; Nov. 28.
Apparatus for electrical exploration. D. S. Muzzey, Jr., and R. D. Miller. 2,363,987; Nov. 28.
Apparatus for impregnating thread. E. F. Gallaudet. 2,363,783; Nov. 28.
Apparatus for measuring or indicating the degree of surface roughness. R. E. Reason. 2,363,691; Nov. 28.
Apparatus for preparing surgical plaster bandages. D. A. W. Roberts. 2,363,805; Nov. 28.
Apparatus for reclaiming crown caps. G. F. Stone. 2,363,815; Nov. 28.
Apparatus for sealing containers. H. E. Stover. 2,363,704; Nov. 28.
Apparatus for separation of the constituents of gaseous mixtures, Portable. W. Dennis. 2,363,657; Nov. 28.
Apparatus for stamping. C. M. McVey. 2,363,540; Nov. 28.
Apparatus for starting and controlling discharge devices. W. J. Karash. 2,363,868; Nov. 28.
Apparatus for the automatic projection of photographic transparencies and the like. P. S. Warriner. 2,363,820; Nov. 28.
Arc suppressor. O. Maseng. 2,363,606; Nov. 28.
Armor shell for motor vehicles. T. J. Costa. 2,363,573; Nov. 28.
Aromatic resinous compositions, Stabilized vinyl. A. L. Marshall. 2,364,027; Nov. 28.
Article support. W. E. Scruggs. 2,364,003; Nov. 28.
Attachment for typewriters. J. A. Pittman. 2,363,989; Nov. 28.
Automatic starter switch. J. F. Lachapelle. 2,363,534; Nov. 28.
Avigation system. R. C. Lawlor. 2,363,600; Nov. 28.
Azo pigments of the phthalyocyanine series. J. W. Libby, Jr., and H. E. Woodward. 2,363,905; Nov. 28.
Azo pigments of the phthalocyanine series. S. S. Rossander, J. W. Libby, Jr., and H. E. Woodward. 2,363,906; Nov. 28.
Backboard support for telephone coin collectors. M. L. Svikhart. 2,363,816; Nov. 28.
Bag and constructing the same, Ventilated shopping. M. Katz. 2,363,971; Nov. 28.
Bag closure. E. Arens. 2,363,926; Nov. 28.
Bags, Making. C. Tessendorf and F. J. Grupef, Jr. 2,364,009; Nov. 28.
Bait, Weatherproof snail. J. G. Beckler. 2,363,852; Nov. 28.
Balance calculator. J. Lundgren. 2,364,026; Nov. 28.
Ball and socket joint assembly. G. E. Barton. 2,363,477; Nov. 28.
Bar construction for traveling grates, Detachable grate. R. L. Beers. 2,363,932; Nov. 28.
Barrier, Firing mechanism. W. E. Thibodeau and G. J. Kessenick. 2,363,562; Nov. 28.
Bearing mask structure. J. E. Duggan. 2,363,660; Nov. 28.
Bed for glass sheets, Supporting. E. L. Walters. 2,363,631; Nov. 28.
Bed, Two-decker. E. F. Kurth and E. L. Briggs. 2,363,599; Nov. 28.
Binder and clip, Combination. E. E. Ward. 2,363,761; Nov. 28.
Binder, Plastic loose-leaf. C. E. Emmer. 2,363,848; Nov. 28.
Blocking and stretching machine, Hat. L. Meltzer. 2,363,982; Nov. 28.
Blower attachment, Grain. J. Holland-Letz. 2,363,589; Nov. 28.
Bobbin selector for weft replenishing looms. V. H. Jennings. 2,363,593; Nov. 28.
Boiler: *See*—
Water tube boiler.
Bomb control mechanism. E. Schmued. 2,363,750; Nov. 28.
Brake: *See*—
Air brake. Variable load brake.
Railway brake.
Brake control mechanism. E. Fowler. 2,363,664; Nov. 28.
Bridge structure, Portable. I. B. Yassin. 2,363,767; Nov. 28.
Brooder. S. M. Crider. 2,363,483–4; Nov. 28.
Brushes, Manufacturing. F. Neuschaefer. 2,363,685; Nov. 28.
Buckle, Chin strap. M. Kiessling. 2,363,872; Nov. 28.
Building, Knocked down shelter. A. E. Waterman and H. B. Tracy. 2,363,916; Nov. 28.
Building, Portable. C. R. Fleming-Williams. 2,363,765; Nov. 28.
Building structure. A. Hancock. 2,363,862; Nov. 28.
Burner: *See*—
Fuel burner.
Butadiene polymer composition. J. C. Patrick. 2,363,617–18; Nov. 28.
Butadiene, Purification of. L. H. Horsley and H. S. Nutting. 2,363,527; Nov. 28.
Cab lamp. F. W. Blanchard. 2,364,020; Nov. 28.
Cabinet: *See*—
Filing cabinet.
Calculating machine. A. B. Machado. 2,363,737; Nov. 28.
Cap: *See*—
Screw cap.
Carbon paper and its holder. W. J. Feitl. 2,363,661; Nov. 28.
Carrier: *See*—
Milk bottle carrier. Pull rod carrier.
Carrier. M. G. Prieto. 2,363,619; Nov. 28.
Carton. C. H. Goodyear. 2,363,861; Nov. 28.
Casting, Process for continuous. H. Ruppik. 2,363,695; Nov. 28.
Catalyst chamber. W. W. Roach and R. E. Vinyard. 2,363,623; Nov. 28.
Catalysts, Manufacture of precipitated. R. E. Burk and E. C. Hughes. 2,363,498; Nov. 28.
Catalytic reactor. P. Mather and L. A. Mekler. 2,363,738; Nov. 28.
Chain and the like, Casting. L. H. Morin. 2,363,801; Nov. 28.
Chair. A. R. Boerner. 2,363,935; Nov. 28.
Charging device for casting machines. G. A. Waldie. 2,363,759; Nov. 28.
Chime on winding clocks, Electric. P. Gangemi. 2,363,859; Nov. 28.
Chuck, Machine-tool. C. H. Vidal. 2,363,709; Nov. 28.
Chuck, Rotatable article gripping. H. F. Phillips. 2,363,899; Nov. 28.
Churn cleaning apparatus. S. T. Fauver. 2,363,949; Nov. 28.
Circuit: *See*—
Electric circuit. Frequency modulation discriminator circuit.
Electrical control circuit. Regulating circuit.
Electronic tube circuit.
Frequency modulation detector circuit.
Circuit controller. H. L. Bone. 2,363,936; Nov. 28.
Clamp. H. A. Brelsford. 2,363,638; Nov. 28.
Clasp or connector for watch bracelets or the like. F. E. Holmquist. 2,363,590; Nov. 28.
Cleaner: *See*—
Windshield cleaner.

Clip: *See*—
Combination binder and clip.
Clock. H. D. Werts. 2,363,763; Nov. 28.
Cloth, soap pad, and massager, Combination bath. E. Schirmer. 2,363,697; Nov. 28.
Clothesline and holder therefor, Pulley. J. Waldheim. 2,363,564; Nov. 28.
Club, Golf. M. B. Reach. 2,363,991; Nov. 28.
Clutch: *See*—
Synchronizing clutch.
Two-way overrunning clutch.
Coating apparatus. A. T. Anderson. 2,363,487; Nov. 28.
Collet actuating device for machine tools. L. R. Evans. 2,363,721; Nov. 28.
Combination cleaning tool. S. W. Fish. 2,363,520; Nov. 28.
Combination lamp holder and starter holder. E. R. Kulka. 2,363,734; Nov. 28.
Combing machine. J. W. Nasmith. 2,363,546; Nov. 28.
Combustion zone control. H. Kreisinger and V. Z. Caracristi. 2,363,875; Nov. 28.
Commercial washer. E. Bagnall. 2,363,491; Nov. 28.
Compressor-generator unit, Engined. C. R. Waeelge. 2,3634,013; Nov. 28.
Compressor, Hermetic refrigeration. J. Touborg. 2,364,038; Nov. 28.
Condition control apparatus. J. E. Robb. 2,363,748; Nov. 28.
Condition responsive device. F. D. Joesting. 2,363,595; Nov. 28.
Conductors, Making electrical. A. W. Keen and R. B. Frost. 2,363,871; Nov. 28.
Connection and insert, Threaded. H. J. Findley. 2,363,662; Nov. 28.
Connector: *See*—
Separable connector. Tire chain connector.
Construction for glass melting tanks. W. F. Gaunder. 2,363,954; Nov. 28.
Contactor unit for air conditioning systems. W. G. Dieter. 2,363,578; Nov. 28.
Container: *See*—
Glass lined container.
Container. S. R. Shearston. 2,363,811; Nov. 28.
Container. R. R. Walton, J. J. Austin, and G. E. Gott. 2,364,012; Nov. 28.
Container and closure structure. W. H. Robinson. 2,363,693; Nov. 28.
Container filling apparatus. B. DeH. Miller. 2,363,543; Nov. 28.
Control device, Inertia operated. G. K. Newell. 2,363,611; Nov. 28.
Control equipment for prime mover electric generating plants. H. Bany. 2,363,850; Nov. 28.
Control system. T. B. Montgomery. 2,363,684; Nov. 28.
Control system. P. S. Russel. 2,363,696; Nov. 28.
Control system. G. A. Waldie. 2,363,760; Nov. 28.
Conveyer mechanism. R. W. Young and F. B. Fay. 2,363,920; Nov. 28.
Cooking vessels, Copper plating stainless steel. J. M. Kennedy, A. P. Knight, and H. J. Lee. 2,363,973; Nov. 28.
Copolymer compositions. W. J. Sparks and R. M. Thomas. 2,363,703; Nov. 28.
Coupling: *See*—
Flexible tube coupling.
Cover: *See*—
Hairbrush cover.
Coverplate. H. W. Blakeman. 2,363,567; Nov. 28.
Crane or platform tower, Collapsible. V. Gerich. 2,363,784; Nov. 28.
Crossbar switch. C. Gillings and L. J. Murray. 2,363,955; Nov. 28.
Curtain. A. Dudas. 2,363,847; Nov. 28.
Cushions or like articles, Method and apparatus for making sponge rubber. J. A. MacKay and C. H. Nagel. 2,364,036; Nov. 28.
Cylinder machine construction. P. H. Goldsmith. 2,363,786; Nov. 28.
Decimal point indicating mechanism for slide rule computations. M. Cherney. 2,363,642; Nov. 28.
Decorative article. R. F. Hayes. 2,364,024; Nov. 28.
Demulsifying agent. B. S. De Mering. 2,363,838; Nov. 28.
Detoxicant. G. J. Martin and M. R. Thompson. 2,363,541; Nov. 28.
Device for control of current impulses. J. B. Welch. 2,363,714; Nov. 28.
Diamond and cutting the same, Brilliant type. M. Suderov. 2,364,031; Nov. 28.
Die for punch presses and the like. H. John. 2,363,596; Nov. 28.
Die rolling, Method of and apparatus for. A. C. Ruden. 2,363,553; Nov. 28.
Dies and apparatus therefor, Forming drawing. M. Simons. 2,364,005; Nov. 28.
Diphenyl compounds. W. H. von Glahn and B. W. Rottschaefer. 2,363,819; Nov. 28.
Discharge device, Electric. A. W. Hull. 2,363,865; Nov. 28.
Disk, Rotary cutting. C. F. Zipper. 2,363,769; Nov. 28.
Dispersions, Method and apparatus for preparing. D. G. Brandt and S. J. Wynn. 2,363,937; Nov. 28.
Display and dispensing stand. M. C. Meyer. 2,363,542; Nov. 28.
Display card, Artificial tooth. H. J. Rothman. 2,363,997; Nov. 28.
Doll set and the like, Paper. G. P. Wakefield. 2,363,914; Nov. 28.
Domestic appliance. D. K. Ferris. 2,363,517–19; Nov. 28.
Door operating mechanism. E. F. Wagner. 2,363,913; Nov. 28.
Dredger. C. C. Herbert. 2,363,790; Nov. 28.
Drilling fluid, Nonaqueous. W. E. Campbell, Jr. 2,363,499; Nov. 28.
Drive for valve cutoff indicators. F. D. Welden. 2,363,633; Nov. 28.
Driving and control mechanism for milling and similar machines. A. F. Bennett. 2,363,934; Nov. 28.
Electric air circuit breaker. R. M. Bennett. 2,363,853; Nov. 28.
Electric circuit. S. Doba, Jr. 2,363,659; Nov. 28.
Electric circuit. S. Minneci. 2,363,891; Nov. 28.
Electric circuit. H. C. Stewart and K. D. Beardsley. 2,363,909; Nov. 28.
Electric discharge device and electrode therefor. L. B. Johnson. 2,363,531; Nov. 28.
Electric induction furnace. W. Richter. 2,363,994; Nov. 28.
Electric motor. M. B. Sawyer. 2,364,000; Nov. 28.
Electric operator for opening and closing doors. J. H. Banks and H. R. Jurgens. 2,363,929; Nov. 28.
Electric regulator. F. Newton. 2,363,612; Nov. 28.
Electric switch. H. L. Van Valkenburg. 2,363,912; Nov. 28.
Electrical alarm and testing system. E. M. Roeder. 2,363,551; Nov. 28.
Electrical control circuit. F. J. Somers. 2,363,813; Nov. 28.
Electrical device, Encased. A. H. Lamb. 2,363,796; Nov. 28.
Electron discharge circuits, Reactive. J. F. Wilcox and E. W. Kenefa. 2,363,918; Nov. 28.
Electronic tube circuit. O. H. Schade. 2,363,809; Nov. 28.
Elevator and rock picker, Combined. M. and W. M. Madsen. 2,363,682; Nov. 28.
Emulsion-polymerization. H. Fikentscher. 2,363,951; Nov. 28.
Engine: *See*—
Two directional combustion engine.
Engine control mechanism. J. L. Skinner. 2,363,812; Nov. 28.
Envelope or container. G. H. Goff. 2,363,957; Nov. 28.
Escapement. M. H. Rhodes. 2,363,993; Nov. 28.
Esters of unsaturated acids. G. H. Coleman and W. D. Schroeder. 2,363,501; Nov. 28.
Exhibitor, Changeable. H. A. Graham. 2,363,725; Nov. 28.
Extensometer. A. V. Howson and N. S. Reed. 2,363,964; Nov. 28.
Fan, Dust separating. E. A. Lundstrom. 2,363,882; Nov. 28.
Fan, Electric. W. A. Spear. 2,363,907; Nov. 28.
Fastener. F. C. Wallace. 2,363,710; Nov. 28.
Felts, Forming fibrous. R. N. Brownlee. 2,363,480; Nov. 28.
Ferrihemochromogens and preparing them, Therapeutically active. R. D. Barnard. 2,364,018; Nov. 28.
Fiber, Modified soybean protein. O. Huppert. 2,364,035; Nov. 28.
Fibers, Dyeing textile. C. E. Sparks and J. F. Laucius. 2,363,904; Nov. 28.
Filing cabinet. J. W. Cowan. 2,363,574; Nov. 28.
Filling mixing weft replenishing loom. W. H. Wakefield. 2,363,628; Nov. 28.
Film device. H. Van der Schalie. 2,363,627; Nov. 28.
Filter. H. W. Denhard. 2,363,840; Nov. 28.
Filter system, Flow regulating and liquid distributing. L. R. Smith and R. H. Yoeckel. 2,363,754; Nov. 28.
Finishing system. G. Q. Decker, 3rd. 2,363,658; Nov. 28.
Flashlight attachment. M. N. Yardeny. 2,363,825; Nov. 28.
Flatting agent and making the same, Coated. L. Auer. 2,363,489; Nov. 28.
Flexible tube coupling. S. Guarnaschelli. 2,363,586; Nov. 28.
Fluid operated mechanism. E. H. Shaff. 2,364,004; Nov. 28.
Fluid transmission. B. M. W. Fillmore. 2,363,952; Nov. 28.
Fluids, Process and apparatus for treating. R. W. Krebs. 2,363,874; Nov. 28.
Fluids, Treating hydrocarbon. B. I. Smith. 2,363,903; Nov. 28.
Food processing apparatus. A. R. Thompson. 2,363,818; Nov. 28.
Fork, Injector. B. E. Solinski and A. J. Hudec. 2,363,702; Nov. 28.
Four-way selector valve. R. B. Campbell. 2,363,481; Nov. 28.
Framing mechanism. E. Boecking. 2,363,855; Nov. 28.
Frequency conversion. H. M. Crosby. 2,363,835; Nov. 28.
Frequency modulation detector circuit. M. G. Crosby. 2,363,650; Nov. 28.

Frequency modulation discriminator circuit. M. G. Crosby. 2,363,652; Nov. 28.
Fuel burner. O. F. Campbell. 2,363,942; Nov. 28.
Fuller's earth and preparation thereof, Improved. W. A. La Lande, Jr. 2,363,876; Nov. 28.
Furfuraldehyde-ketone-formaldehyde reaction product and making same. S. Caplan and M. T. Harvey. 2,363,829; Nov. 28.
Furnace: *See*—
Electric induction furnace. Gas furnace.
Furnace. J. A. Norton. 2,363,742; Nov. 28.
Furnace refractory and making. A. F. Greaves-Walker and R. L. Stone. 2,363,522; Nov. 28.
Fuses for blasting and similar purposes, Manufacture of nondetonating. W. A. Caldwell and A. G. White. 2,363,569; Nov. 28.
Game set, Combination. S. J. Stanton. 2,364,007; Nov. 28.
Garbage holder. T. O. Smith. 2,363,699; Nov. 28.
Garment. P. H. Hanes. 2,363,959; Nov. 28.
Gas furnace. J. H. Forrester. 2,363,953; Nov. 28.
Gas holder. J. H. Wiggins. 2,363,565; Nov. 28.
Gas producer system. K. M. Urquhart. 2,363,708; Nov. 28.
Gas turbine arrangement. C. W. Smith. 2,364,037; Nov. 28.
Gasket construction. A. W. L. Hartbauer. 2,363,524; Nov. 28.
Gauge assembly, Flat type water level. E. Ernst. 2,363,780; Nov. 28.
Gauge for bores, Internal. W. Hardware. 2,363,587; Nov. 28.
Gear and winding drum, Combined. J. P. Templeman. 2,363,757; Nov. 28.
Gear driving means for centrifugal machines. C. A. Olcott. 2,363,613; Nov. 28.
Gelatin derivatives and making same. J. B. Monier. 2,363,892; Nov. 28.
Gels, Production of molded. G. C. Connolly. 2,363,832; Nov. 28.
Girder, Timber plate. R. Butler. 2,363,568; Nov. 28.
Girdle, Pantie. E. C. Clark. 2,363,775; Nov. 28.
Glass articles, Forming hollow. O. H. Samuelson and A. T. Zappia. 2,363,999; Nov. 28.
Glass-lined container. G. L. West. 2,364,014; Nov. 28.
Glycerine, Recovery of. G. W. Batchelder and R. F. Peterson. 2,363,494; Nov. 28.
Goal, Basketball. F. Albach and G. R. Chervenka. 2,363,634; Nov. 28.
Governor, Engine. M. Mallory. 2,363,887; Nov. 28.
Grinder, Twist drill. E. C. Clarke. 2,363,482; Nov. 28.
Grinding machine. L. W. Curry. 2,363,946; Nov. 28.
Grinding machine and method. A. K. Selnes. 2,363,559; Nov. 28.
Gun. J. Lemberg. 2,363,878; Nov. 28.
Gun barrel, Air-cooled. N. L. Vinson. 2,363,563; Nov. 28.
Gunfire control system. J. Dugan. 2,363,948; Nov. 28.
Gun sight, Automatically compensating. L. W. Greenblatt, Jr., and G. T. Bixby. 2,363,523; Nov. 28.
Gyro magnetic compass system. L. F. Carter and F. West, Jr. 2,363,500; Nov. 28.
Gyroscope, Directional. M. F. Bates. 2,363,495; Nov. 28.
Hairbrush cover. J. J. Cosin. 2,363,647; Nov. 28.
Handling means for use upon and in conjunction with printing and labeling machines, Automatic. F. Shurley. 2,363,698; Nov. 28.
Head for glass-lined tanks. F. W. Lauck. 2,363,980; Nov. 28.
Heat exchanger. J. C. Hobbs. 2,363,526; Nov. 28.
Heat treating. D. H. Montgomery. 2,363,741; Nov. 28.
Heating system. H. R. Goodale. 2,363,787; Nov. 28.
Heating system, Hot-water. M. Kronfeld. 2,363,795; Nov. 28.
Hide treatment. V. Conquest and H. L. Keil. 2,363,646; Nov. 28.
High frequency apparatus. O. Heil. 2,363,962; Nov. 28.
Hitch, Ball-and-socket trailer. R. F. Smith. 2,363,755; Nov. 28.
Holder: *See*—
Garbage holder. Gas holder.
Honing device. J. E. Kline and D. T. Peden. 2,363,975; Nov. 28.
Hose actuated press. D. H. Duffy, J. W. Wiley, and M. M. Ross. 2,363,779; Nov. 28.
Hydraulic actuator and control system. E. J. Svenson. 2,363,706; Nov. 28.
Hydraulic propelling mechanism. E. J. Svenson. 2,363,707; Nov. 28.
Hydrocarbon conversion. C. L. Thomas. 2,363,911; Nov. 28.
Hydrocarbon treatment. S. C. Fulton and T. Cross, Jr. 2,363,858; Nov. 28.
Hydrocarbons, Catalytic conversion of. I. L. Wolk. 2,363,716; Nov. 28.
Hydrocarbons, Fractionation of hydrate-forming. A. J. L. Hutchinson. 2,363,529; Nov. 28.
Hydrocarbons, Production of. K. Meisenheimer and A. Scheuermann. 2,363,739; Nov. 28.
Hydrocarbons, Separating. F. E. Frey. 2,363,782; Nov. 28.
Hydrocarbons, Treating. I. L. Wolk. 2,363,824; Nov. 28.
Hydroxy-keto compounds having a cyclopentano-polyhydrophenanthrene nucleus, Manufacture of. R. Oppenauer. 2,363,548; Nov. 28.
Ice plant operating with compression and evaporation. R. Wussow and F. W. Fechner. 2,364,016; Nov. 28.
Ignition system. S. G. Eskin. 2,363,509; Nov. 28.
Implement attachment for tractors. L. A. Paradise, W. J. Coultas, and R. L. Dort. 2,363,897; Nov. 28.
Indicating apparatus, Angle. H. G. Busignies. 2,363,941; Nov. 28.
Indicator: *See*—
Potential indicator.
Tank-wall temperature indicator.
Insecticide. S. A. Ballard and V. E. Haury. 2,363,928; Nov. 28.
Inspectoscope. O. F. Soetbeer. 2,363,701; Nov. 28.
Internal-combustion engine valve. J. H. Grube. 2,364,040; Nov. 28.
Interpolymers and preparation of same, Rubberlike. O. Huppert. 2,364,034; Nov. 28.
Jack shore. D. C. Scott. 2,363,752; Nov. 28.
Joggling tool. C. L. Beard. 2,363,931; Nov. 28.
Juice expressing machine, Citrus fruit. F. L. McCulloch. 2,363,798; Nov. 28.
Knitting machine. F. Lambach. 2,363,535; Nov. 28.
Lamp: *See*—
Cab lamp. Signaling lamp.
Leather, Method of tempering. A. J. Wells. 2,363,715; Nov. 28.
Lehr loader. W. L. McNamara and F. Z. Fouse. 2,363,681; Nov. 28.
Lens system. A. H. Bennett. 2,363,770; Nov. 28.
Lens system. N. Gottlieb. 2,363,788; Nov. 28.
Letoff mechanism for looms. W. Y. Robb. 2,363,996; Nov. 28.
Life preserver. F. L. Brown. 2,363,639–40; Nov. 28.
Lighter, Cigar. R. D. Conboy. 2,363,645; Nov. 28.
Lighter, Cigar. A. A. Johnson. 2,363,674; Nov. 28.
Lighter, Cigar. H. G. Lehmann. 2,363,679; Nov. 28.
Liquid level control for hydromatic brakes. S. W. Webster. 2,363,821; Nov. 28.
Liquid measurer. M. A. Lichten. 2,363,602; Nov. 28.
Load-moving machine. C. W. Mott. 2,363,986; Nov. 28.
Lock for dispensing devices, Lever. C. W. Reece and J. F. Cooney. 2,363,747; Nov. 28.
Locking device. O. H. Griswold. 2,363,667; Nov. 28.
Locking device, Threaded. R. W. Luce. 2,363,680; Nov. 28.
Loom: *See*—
Filling mixing weft replenishing loom. Weft replenishing loom.
Lubricant, Gasoline insoluble. J. D. Morgan and R. E. Lowe. 2,363,984; Nov. 28.
Lubricant. R. F. McCleary and J. R. Morris. 2,363,884; Nov. 28.
Lubricant. J. A. Patterson. 2,363,896; Nov. 28.
Lubricants. E. Lieber and A. F. Cashman. 2,363,880; Nov. 28.
Lubricating composition and the like. B. B. Farrington, J. O. Clayton, and D. H. Etzler. 2,363,513; Nov. 28.
Machine and method for indenting tubing. C. L. Dewey. 2,363,507; Nov. 28.
Machine for proof testing the holding efficiency between wire cables and fittings, etc. O. J. Bratz and H. D. Baluss. 2,363,938; Nov. 28.
Machine for winding fabrics. G. W. Lane. 2,363,678; Nov. 28.
Magazine and breechblock latching means for firearms. V. A. Browning. 2,363,772; Nov. 28.
Magazine for safety razor blades. S. C. Stampleman. 2,363,908; Nov. 28.
Mandrels, Rotating. S. Findlater. 2,363,723; Nov. 28.
Mask structure. J. E. Duggan. 2,363,842; Nov. 28.
Mask structure. J. E. Duggan. 2,363,844–5; Nov. 28.
Mask structure, Paint. J. E. Duggan. 2,363,841; Nov. 28.
Mask structure, Paint. J. E. Duggan. 2,363,843; Nov. 28.
Mask structure, Paint. J. E. Duggan. 2,363,846; Nov. 28.
Material handling apparatus. A. A. Saul. 2,363,556; Nov. 28.
Materials or mediums, Stirring or circulating molten or liquid. J. S. Gerber and W. D. Redfern. 2,363,582; Nov. 28.
Mattress and making the same. H. Bows and A. Iannessa. 2,363,637; Nov. 28.
Measuring device, Trigger-pull. S. T. Novak. 2,363,547; Nov. 28.
Measuring instrument. J. H. Morehead. 2,363,545; Nov. 28.
Measuring system. J. Razek. 2,363,690; Nov. 28.
Metal parts, Preparing and welding. A. W. Priebe. 2,363,990; Nov. 28.
Meter and control therefor, Demand. E. N. Goodman. 2,363,958; Nov. 28.
Methyl styrene, Purifying. C. W. Jordan. 2,363,676; Nov. 28.
Milk bottle carrier. P. E. Fearon. 2,363,950; Nov. 28.
Mill: *See*—
Rolling mill.
Milling machine. D. Clausen. 2,363,831; Nov. 28.

Mineral oil composition. G. H. S. Snyder and E. W. Fuller. 2,364,030; Nov. 28.
Mining machine. T. W. Jones. 2,363,969; Nov. 28.
Moist heat pad. L. A. Lord. 2,363,735; Nov. 28.
Molding apparatus. A. L. Pugh, Jr. 2,363,900; Nov. 28.
Mortar, Portable. M. M. Johnson, Jr. 2,363,675; Nov. 28.
Mother-of-pearl, Imitation. A. F. Caprio. 2,363,570; Nov. 28.
Motive power for toys and the like. S. Gold. 2,363,785; Nov. 28.
Motor: *See*—
Electric motor.
Motor vehicle. A. A. Kucher. 2,363,977; Nov. 28.
Mounting: *See*—
Ophthalmic mounting.
Mounting for refrigerating apparatus and the like. H. O. Kirkpatrick. 2,363,974; Nov. 28.
Mower, Lawn. M. Varga. 2,364,039; Nov. 28.
Musk materials and product thereof, Preparing. P. G. Stevens and J. L. E. Erickson. 2,364,041; Nov. 28.
Nailing strips, Method and apparatus for manufacturing metal. H. G. Kellogg. 2,363,972; Nov. 28.
Neck roll, Corrugated. W. R. Dawson. 2,363,656; Nov. 28.
Nitration apparatus. W. D. Crater. 2,363,834; Nov. 28.
Notching apparatus. G. F. Wales. 2,363,630; Nov. 28.
Nutrient material, Making a. E. H. Stuart. 2,364,008; Nov. 28.
Oil, Compounded. B. B. Farrington, J. O. Clayton, and D. H. Etzler. 2,363,510–12; Nov. 28.
Oil cracking process. E. C. Herthel. 2,363,963. Nov. 28.
Oil into components, Separation of tall. F. W. Adams. 2,363,925; Nov. 28.
Oil well casing pump. H. D. Collins. 2,363,644; Nov. 28.
Oils and the like, Lubricating. B. B. Farrington, J. O. Clayton, and D. H. Etzler. 2,363,514; Nov. 28.
Oils, Compounded hydrocarbon. B. B. Farrington, J. O. Clayton, and D. H. Etzler. 2,363,516; Nov. 28.
Oils, Hydrocarbon. B. B. Farrington, J. O. Clayton, and D. H. Etzler. 2,363,515; Nov. 28.
Oils, Hydrocarbon drying. M. W. Swaney. 2,363,910; Nov. 28.
Oils, Stabilized medicinal white. J. Faust and H. Sonneborn, III. 2,363,722; Nov. 28.
Ophthalmic mounting. R. W. Lake. 2,363,978; Nov. 28.
Optical objective. A. Warmisham and C. G. Wynne. 2,363,712; Nov. 28.
Optical surface examining apparatus. O. F. Soetbeer. 2,363,700; Nov. 28.
Ores, Treatment of zinc carbonate. N. C. Christensen. 2,363,572; Nov. 28.
Organic substances, Stabilization of. F. B. Downing and C. J. Pedersen. 2,363,777; Nov. 28.
Organic substances, Stabilization of. C. J. Pedersen. 2,363,778; Nov. 28.
Otter board. D. J. Groen. 2,363,668; Nov. 28.
Packing. A. E. R. Pollard. 2,363,688; Nov. 28.
Packing compositions. C. L. Jones. 2,363,597; Nov. 28.
Packing compound for stuffing boxes. G. T. Randolph. 2,363,802; Nov. 28.
Pad: *See*—
Moist heat pad.
Pad or packs, Duplicating. E. Z. Lewis. 2,363,601; Nov. 28.
Panel, Balanced striated plywood. W. C. Bailey. 2,363,927; Nov. 28.
Panels, Making balanced laminated. W. C. Bailey. 2,363,492; Nov. 28.
Para-xylene, Manufacture of. E. E. Zetterholm. 2,363,768; Nov. 28.
Petroleum emulsions, Breaking. M. De Groote and B. Keiser. 2,363,504–5; Nov. 28.
Petroleum emulsions, Breaking. M. De Groote, B. Keiser, and A. F. Wirtel. 2,363,506; Nov. 28.
Phenol-aldehyde resinous materials and making same, Modified. J. B. Monier. 2,363,893; Nov. 28.
Photographic processes and compositions. W. D. Baldsiefen. 2,363,493; Nov. 28.
Photography, Color. C. F. A. White. 2,363,764; Nov. 28.
Pickup device for harvester platforms. F. R. Martin. 2,363,888; Nov. 28.
Pig iron and making same. G. A. Beaumont. 2,363,496; Nov. 28.
Pipe bead eliminator, Welded. R. C. Palmer. 2,363,743; Nov. 28.
Pipe hanger press. R. G. Solheim. 2,363,756; Nov. 28.
Pipestem. F. Y. Henkle. 2,363,669; Nov. 28.
Pipes and tubes, Method and apparatus for manufacturing seamless. B. Bannister. 2,363,476; Nov. 28.
Piston and cylinder construction. J. McLintock. 2,363,605; Nov. 28.
Planter, Tractor-drawn liftable. J. F. Rude. 2,363,749; Nov. 28.
Plate finishing and cooling machine. H. A. W. Wood, P. Tollison, C. L. Ricards, and J. A. Isbell. 2,364,032; Nov. 28.
Plate, Spot-test. R. P. Cargille. 2,363,773; Nov. 28.
Plow, Two-way. W. H. Silver. 2,363,901; Nov. 28.
Polishing machine. R. Grunwald. 2,363,728; Nov. 28.
Polychloroprenes, Reclaiming waste. W. G. Kirby and L. E. Steinle. 2,363,873; Nov. 28.
Polyesters. C. J. Frosch. 2,363,581; Nov. 28.
Polymers of divinyl benzene, Preparation of heat-convertible, soluble, fusible. G. F. D'Alelio. 2,363,836; Nov. 28.
Polysulphide copolymer. J. C. Patrick. 2,363,614–15; Nov. 28.
Portable veneer press. V. Bendix. 2,363,933; Nov. 28.
Potential indicator. A. G. Mahurin. 2,363,799; Nov. 28.
Powder metallurgy. W. W. De Lamatter and P. H. Hume. 2,363,575; Nov. 28.
Power drive mounting apparatus. J. C. McCune and G. K. Newell. 2,363,604; Nov. 28.
Power plant, Dually pivoted wind driven. J. R. Albers. 2,363,827; Nov. 28.
Power shovel unit. J. H. Gentry. 2,363,860; Nov. 28.
Power transmission mechanism. H. A. Land and A. F. Bocksruker. 2,363,979; Nov. 28.
Press: *See*—
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Pipe hanger press.
Pressure booster, Fluid system. J. Hulman and B. Beaman. 2,363,528; Nov. 28.
Pressure compensator for duplicating machines. R. A. Williams. 2,363,766; Nov. 28.
Printing apparatus. J. Sinkovitz. 2,363,560; Nov. 28.
Printing composition. E. J. Hanley. 2,363,863; Nov. 28.
Printing, Photographic. G. F. Rackett. 2,363,689; Nov. 28.
Printing process and mechanism. A. Taylor. 2,363,817; Nov. 28.
Prisms, Method and apparatus for finishing. H. W. Mogey. 2,363,544; Nov. 28.
Propeller adjusting mechanism. G. F. Wislicenus. 2,363,823; Nov. 28.
Protective system. J. H. Neher. 2,363,895; Nov. 28.
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Protective system. A. R. V. Warrington. 2,363,915; Nov. 28.
Protein compositions of matter and preparing same. P. L. Julian, E. B. Oberg, and B. T. Malter. 2,363,794; Nov. 28.
Protein containing materials with fruit materials, Treating. A. A. Horvath. 2,363,864; Nov. 28.
Pull rod carrier. A. M. Rossman. 2,363,552; Nov. 28.
Pulsator. J. A. Schmitt and L. F. Bender. 2,363,558; Nov. 28.
Pump: *See*—
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Pump. K. W. Crossman. 2,363,653; Nov. 28.
Punching machine. G. F. Wales. 2,364,011; Nov. 28.
Pusher. S. B. Martin. 2,363,889–90; Nov. 28.
Radio communication, Two-way. G. W. Gilman. 2,363,583; Nov. 28.
Radio signaling. J. G. Chaffee. 2,363,571; Nov. 28.
Railway brake. N. Flesch. 2,364,021; Nov. 28.
Razor and blade, Safety. J. Muros. 2,363,894; Nov. 28.
Razor, Magazine safety. J. Muros. 2,363,610; Nov. 28.
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Reactor. H. W. Lord. 2,363,881; Nov. 28.
Receiver system, Superregenerative. M. G. Crosby. 2,363,651; Nov. 28.
Records, Method of and apparatus for making and recreating. L. A. Collins. 2,363,502; Nov. 28.
Rectifiers, Producing selenium. O. Saslaw. 2,363,555; Nov. 28.
Reeling mechanism. F. A. King. 2,363,533; Nov. 28.
Refractories, Magnesia-containing. R. A. Schoenlaub. 2,364,002; Nov. 28.
Refrigerating mechanism. P. H. Thompson. 2,363,705; Nov. 28.
Refrigeration. H. K. Bergholm. 2,363,771; Nov. 28.
Refrigerator. G. K. Iwashita. 2,363,530; Nov. 28.
Refrigerator cabinet construction. W. R. Howard. 2,363,591; Nov. 28.
Regulating circuit. F. E. Crever and J. L. Stratton. 2,363,857; Nov. 28.
Regulating circuit. A. Fisher. 2,363,856; Nov. 28.
Regulating the rate of fire of automatic firearms. G. Ironside. 2,363,966; Nov. 28.
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Remote control system. F. V. Brown. 2,363,479; Nov. 28.
Repeater for weft replenishing looms. V. H. Jennings. 2,363,594; Nov. 28.
Repeater mechanism for weft replenishing looms. W. H. Wakefield. 2,363,629; Nov. 28.
Restraining device for fire extinguishing systems, Pressure operated. H. B. Quarfoot and H. R. Harper. 2,363,802; Nov. 28.
Retarding rate of firing of automatic firearms. G. Ironside. 2,363,965; Nov. 28.
Reversing attachment for duplicating machines. G. C. Avery. 2,363,490; Nov. 28.
Rolling mill. C. E. Grosser and H. A. Bondeson. 2,363,585; Nov. 28.
Roof louver, Slant. F. H. Leslie. 2,363,879; Nov. 28.
Rosin and turpentine, Production of. J. O. Reed. 2,363,692; Nov. 28.
Rotary pump. W. L. Hart. 2,363,961; Nov. 28.
Rubber articles, Method and apparatus for manufacture of hollow. J. E. L. Ryan. 2,364,029; Nov. 28

Rubber articles, Molding. H. G. Doster and R. H. Hanlon. 2,363,508; Nov. 28.
Rubber molding compositions. L. E. Daly. 2,363,654; Nov. 28.
Rubber, Preventing oxidation of. I. L. Wolk. 2,363,717; Nov. 28.
Rubber to fibrous materials and product thereof, Improving the adhesion of. E. T. Lessig and E. N. Cunningham. 2,363,981; Nov. 28.
Rubber, Vulcanization of. P. C. Jones and R. A. Mathes. 2,363,598; Nov. 28.
Salts, Cyclohexyl-amine. F. B. Smith and J. N. Hansen. 2,363,561; Nov. 28.
Sampling device. J. S. Swearingen. 2,363,625; Nov. 28.
Saw-tooth deflection. K. R. Wendt. 2,363,822; Nov. 28.
Scraper for filter screens, Automatic. W. M. Cary. 2,363,830; Nov. 28.
Screw cap. H. F. George. 2,363,665; Nov. 28.
Screw, Stoker riser. S. G. Jones. 2,363,968; Nov. 28.
Seal, File folder. T. E. Robinson. 2,363,806; Nov. 28.
Seaming and trimming machine, Combined. C. H. Weissenberg. 2,363,713; Nov. 28.
Self-centering device. W. L. Brockway. 2,363,940; Nov. 28.
Self-synchronizing device. W. H. T. Holden. 2,363,791; Nov. 28.
Semitrailer, Power-operated automatic. R. M. Barnhart and J. S. Tormey. 2,363,851; Nov. 28.
Separable connector. W. H. Hunter. 2,363,592; Nov. 28.
Sewage clarifier. W. H. Green. 2,364,023; Nov. 28.
Sewing machine. C. F. Rubel. 2,363,807; Nov. 28.
Sewing machine. N. V. Christensen, G. Sauer, and N. Wallenberg. 2,363,774; Nov. 28.
Sewing machine attachment. W. E. Kline. 2,363,976; Nov. 28.
Sharpener, Razor blade. J. A. Doll. 2,363,579; Nov. 28.
Shaver, Dry. T. Bailey. 2,363,849; Nov. 28.
Shearing and classifying mechanism for metal strip. A. M. Dexter, Jr. 2,363,577; Nov. 28.
Shelter building. A. E. Waterman and H. B. Tracy. 2,363,917; Nov. 28.
Shield, Face. G. H. Schauweker. 2,363,557; Nov. 28.
Shock absorber, Telescopic. C. R. Down. 2,363,485; Nov. 28.
Shortening, Stabilization of. J. L. Jakobsen. 2,363,672; Nov. 28.
Shoulder board or similar article. F. J. Stanton. 2,363,814; Nov. 28.
Signaling lamp. A. C. W. Aldis. 2,363,566; Nov. 28.
Silicate compositions. C. C. Winding. 2,364,015; Nov. 28.
Silver images, Production of blue-black toned. W. D. Baldsiefen. 2,364,017; Nov. 28.
Siphon system. M. H. Loughridge. 2,363,539; Nov. 28.
Skimmer. H. W. McKeen. 2,363,885; Nov. 28.
Skimmer, Scum. H. W. Gillard. 2,364,022; Nov. 28.
Snubber, Hydraulic. M. D. Isely. 2,363,867; Nov. 28.
Soaps, Hydrogenation of fatty acid. J. Ross and J. A. V. Turck, Jr. 2,363,694; Nov. 28.
Sole, Shoe. E. E. Rollman and R. Beauvais. 2,363,995; Nov. 28.
Sound reproducing device. S. J. Begun. 2,363,497; Nov. 28.
Spirals, Method and machine for forming plastic. M. Yellin. 2,363,826; Nov. 28.
Spool. W. E. Parker. 2,363,744; Nov. 28.
Spotting apparatus. W. C. Glover, Jr. 2,363,956; Nov. 28.
Spraying apparatus. G. L. Dale. 2,363,776; Nov. 28.
Spring: *See*—
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Spring support. A. J. Loepsinger. 2,363,538; Nov. 28.
Stand: *See*—
Display and dispensing stand.
Steelmaking. J. E. Greenawalt. 2,363,666; Nov. 28.
Steel process, Stainless. J. N. Lynn. 2,363,736; Nov. 28.
Stereoscopic plotting instrument. C. O. Cook. 2,363,643; Nov. 28.
Stethoscope, Acoustic. H. F. Olson. 2,363,686; Nov. 28.
Stick, Confection. S. Decker. 2,363,503; Nov. 28.
Stoker control and circuit. G. H. Erb. 2,363,720; Nov. 28.
Sulphonic acids, Substituted propylaminoaromatic. D. W. Woodward. 2,364,033; Nov. 28.
Support: *See*—
Article support. Spring support.
Support for spherical pressure vessels. L. Reiser. 2,363,992; Nov. 28.
Surface for lateral and directional control, Differentially controlled. C. E. Reichert. 2,363,550; Nov. 28.
Switch: *See*—
Automatic starter switch. Electric switch. Crossbar switch.
Switch and mounting, Push button. J. Bierenfeld. 2,363,854; Nov. 28.
Switching mechanism. R. F. Mallina. 2,363,683; Nov. 28.
Switching mechanism, Electric. J. F. McKenney. 2,363,886; Nov. 28.
Synchronism control system. S. B. Crary. 2,363,833; Nov. 28.
Synchronizing clutch. C. D. Peterson and A. H. Deimel. 2,363,746; Nov. 28.
Tablet, Mixing. R. R. Greene. 2,363,726; Nov. 28.
Tank-wall temperature indicator. C. H. Walsh. 2,363,711; Nov. 28.
Telephone system. F. A. Hubbard. 2,363,671; Nov. 28.
Television system. L. Moffett. 2,363,800; Nov. 28.
Temperature control of heat transfer surfaces. P. H. Karlsson and R. A. Lundstrom. 2,363,870; Nov. 28.
Tensioning device for winding machines. M. J. Kirk. 2,363,677; Nov. 28.
Testing apparatus. O. H. Basquin. 2,363,930; Nov. 28.
Textile fiber, Coloring of. J. W. Libby, Jr. 2,363,537; Nov. 28.
Theodolite. H. R. Larsen and J. B. Sonderman. 2,363,877; Nov. 28.
Therapeutic agent for the treatment of hypertension. H. M. Rabinowitz. 2,363,549; Nov. 28.
Thermal control device. F. R. Higley and J. Converse. 2,363,525; Nov. 28.
Thread insert. H. J. Findley. 2,363,663; Nov. 28.
Threshing machine. D. E. Weaver. 2,363,632; Nov. 28.
Throttle control. J. L. Griggs. 2,363,727; Nov. 28.
Ticket for cleaners and dyers, Autographic register. H. C. Williams. 2,363,919; Nov. 28.
Tire chain connector. W. R. Royer. 2,363,998; Nov. 28.
Tone arm. R. Daily. 2,363,655; Nov. 28.
Tool: *See*—
Combination cleaning tool. Wire stripping tool. Joggling tool.
Totalizer, Complementary. H. E. Kämmel. 2,364,025; Nov. 28.
Toy. E. Herz. 2,363,588; Nov. 28.
Toy parachute. E. Kalep. 2,363,970; Nov. 28.
Traces of foreign gases, vapors or mists in the atmosphere, Method and device for detecting. J. Boeke. 2,363,478; Nov. 28.
Trap with auxiliary spring, Animal. I. P. Melaas. 2,363,740; Nov. 28.
Trip and control mechanism for mail-treating machines. C. D. Ryan and E. P. Drake. 2,363,554; Nov. 28.
Tubes by extrusion, Method and apparatus for forming. E. Blair. 2,363,635; Nov. 28.
Tuning apparatus, Low loss. W. L. Carlson. 2,363,641; Nov. 28.
Turbotransmission. J. Jandasek. 2,363,731; Nov. 28.
Turbotransmission. R. J. Miller. 2,363,983; Nov. 28.
Two directional combustion engine. G. N. Reiland. 2,363,804; Nov. 28.
Two-way overrunning clutch. F. H. Beall. 2,364,019; Nov. 28.
Undergarment. G. H. Crocker. 2,363,648; Nov. 28.
Unscrewing device for the molding of threaded articles. G. B. Sayre. 2,363,808; Nov. 28.
Valve: *See*—
Four-way selector valve. Weld fabricated valve. Internal-combustion engine valve.
Valve device. J. N. Good. 2,363,584; Nov. 28.
Valve device. H. C. Grant, Jr. 2,363,521; Nov. 28.
Valve for Diesel engines, Fuel control. R. J. Devorak. 2,363,576; Nov. 28.
Valve seat inserts, Installing and retaining. C. A. Jensen. 2,363,673; Nov. 28.
Vapor phase cracking process. W. O. Keeling. 2,363,532; Nov. 28.
Variable load brake. C. C. Farmer. 3,363,580; Nov. 28.
Variable pitch constant speed propeller assembly. W. S. Hoover. 2,363,670; Nov. 28.
Vehicle: *See*—
Motor vehicle.
Vehicle. A. Bloch and G. R. Arons. 2,363,636; Nov. 28.
Ventilator. J. Karol. 2,363,733; Nov. 28.
Vessel, Multilayer. T. M. Jasper. 2,363,967; Nov. 28.
Vessel, Unit loading cargo. P. Lovfald. 2,363,797; Nov. 28.
Vessels, Raising or lifting sunken or partially sunken. R. F. Bartlett. 2,363,488; Nov. 28.
Volume control device, Automatic. W. Moser. 2,363,985; Nov. 28.
Voting machine. A. N. Gustavson. 2,363,729; Nov. 28.
Warfare, Aerial. G. J. Uzmann. 2,363,626; Nov. 28.
Washer: *See*—
Commercial washer.
Water, Method of and apparatus for treating boiler. C. W. Rice. 2,363,622; Nov. 28.
Water soluble cellulose ethers to sheet form, Converting. F. C. Peterson. 2,364,028; Nov. 28.
Water tube boiler, All welded high-pressure. H. M. Wolter. 2,363,718; Nov. 28.
Waters and composition therefor, Treating. W. L. Denman. 2,363,921; Nov. 28.
Waters, Purifying. W. L. Denman. 2,363,923; Nov. 28.
Waters with stabilized emulsion, Purifying. W. L. Denman. 2,363,924; Nov. 28.
Weft replenishing loom. W. A. Patterson. 2,363,620; Nov .28.
Weld fabricated valve. O. M. Carlson. 2,363,943; Nov. 28.
Welding. J. L. Anderson. 2,363,828; Nov. 28.
Welding apparatus. C. E. Smith and M. M. Seeloff. 2,363,753; Nov. 28.
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Welding method and apparatus. J. H. Cooper and C. E. Smith. 2,363,719; Nov. 28.

Well pump. J. E. Lucas. 2,363,603; Nov. 28.
Well testing apparatus. M. C. Johnson. 2,363,793; Nov. 28.
Wheel. C. W. Sinclair. 2,363,902; Nov. 28.
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Wiener vending machine. E. P. Ford. 2,363,724; Nov. 28.
Windshield cleaner. A. Rappl. 2,363,621; Nov. 28.
Windshield-visor-clamp combinations. J. Wardan. 2,363,762; Nov. 28.
Winder. B. A. Peterson. 2,363,988; Nov. 28.
Window for prefabricated houses. C. I. Auten. 2,363,475; Nov. 28.
Wire coil insert. O. Haas. 2,363,789; Nov. 28.
Wire stripping tool. E. S. Thompson. 2,363,758; Nov. 28.
Woodworking machine attachment. K. Karish. 2,363,869; Nov. 28.
Wooden spring. L. A. Daugherty. 2,363,837; Nov. 28.
Work guiding and feeding attachment for band saws. H. Petersen. 2,363,745; Nov. 28.
Wrapping machine. R. R. Brightwell. 2,363,939; Nov. 28.
Wrapping machine. R. H. Schultz and A. J. Siebert. 2,363,751; Nov. 28.

CLASSIFICATION OF PATENTS

ISSUED NOVEMBER 28, 1944

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

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Notice

In response to a request from the Bureau of Customs of the United States Treasury Department there will be published from time to time in the OFFICIAL GAZETTE of the Patent Office notices of trade names that have been provisionally recorded in the Treasury Department under the authority of section 27 of the Trade-Mark Act of February 20, 1905 (15 U. S. C. 106) and section 11.16 of the Customs Regulations of 1943.

CONWAY P. COE,
Commissioner.

Disclaimers

2,224,108.—*William F. Ridgway*, Rockford, Ill. MACHINE TOOL. Patent dated December 3, 1940. Disclaimer filed November 10, 1944, by the assignee, *The Ingersoll Milling Machine Company.*

Hereby enters this disclaimer to claims 13 and 25 of said specification.

2,281,685.—*Hans Fischer*, Yonkers, N. Y. INJECTION ENGINE. Patent dated May 5, 1942. Disclaimer filed November 15, 1944, by the assignee, *Lanova Corporation.*

Hereby enters this disclaimer to the claim in said patent.

Notice of Tentative Recordation of Trade Name

[T. D. 51148]

Tentative recordation of trade name under section 27, Trade-Mark Act of February 20, 1905, and section 11.16, Customs Regulations of 1943

TREASURY DEPARTMENT
OFFICE OF THE COMMISSIONER OF CUSTOMS
Washington, D. C., Nov. 18, 1944

To Collectors of Customs and Others Concerned:

On November 6, 1944, the following-described trade name was tentatively recorded in the Treasury Department under the provisions of section 27, Trade-Mark Act of February 20, 1905 and section 11.16, Customs Regulations of 1943:

"LENAK STUDIOS," owned by Lenak Studios, a partnership consisting of Jack J. Kanel and Irving J. Silverstein, citizens of the United States, 200 West Forsyth Street, Jacksonville, Florida, and used in connection with the Lenak Studios and the products thereof, namely, photographs and analogous products.

The recordation of the foregoing trade name shall become final at the expiration of 30 days after December 5, 1944. Any person who desires to file an opposition to the recordation of this trade name shall file it with the Commissioner of Customs prior to the expiration of such 30-day period.

Until the expiration of the above-mentioned 30-day period any articles bearing names or marks which copy or simulate this trade name shall be detained, but not seized, and thereafter shall be disposed of in accordance with section 11.17, Customs Regulations of 1943, unless notice of cancellation of the recordation is sooner received.

[364.12]

(Signed) W. R. JOHNSON,
Commissioner of Customs.

Transfer of Class

ORDER No. 3870

U. S. PATENT OFFICE, *Richmond, Va., Nov. 17, 1944.*

The following transfer, to take effect Monday, November 27, 1944, is hereby ordered:

Class 179, Telephony, subclasses 2.5 and 15 from Division 51 to Division 16.

CONWAY P. COE,
Commissioner.

Adjudicated Patent

(D. C. N. Y.) Cooper patent, No. 2,132,399, for leather cemented articles, claims 1 to 6 *Held* invalid. *Cooper v. Sheepskin Lining Co.*, 56 F. Supp. 789; 62 U. S. P. Q. 143.

Condition of Applications Under Examination at Close of Business November 18, 1944

(Total number of applications awaiting action, excluding Trade-Mark Division, 52,691; Trade-Mark Division, 1,814. Oldest new case, Dec. 31, 1943; oldest amended, Nov. 13, 1943.)
(The dates given are 1944 except where † indicates 1943)

Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
1. TUCKER, M.W., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	May 6	June 17	602
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	Feb. 24	Mar. 15	766
3. WOLFFE, S., Metal Founding; Metallurgy; Metal Treatment; Compositions (part)	Apr. 13	Apr. 3	1168
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Pneumatic Dispatch; Store Service; Mining, Quarrying and Ice Harvesting.	June 29	July 4	528
5. ROBINSON, C. W., Glass; Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps.	Jan. 15	Jan. 12	1406
6. GENIESSE, E. W., Carbon Chemistry (part)	Apr. 1	Apr. 27	1173
7. JARBOE, C. G., Optics, Photography	July 19	July 14	784
8. IMUS, A. E., Furniture; Kitchen and Table Articles; Locks and Cabinets	June 26	June 26	680
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	May 1	May 2	867
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	July 12	July 13	342
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Clutches and Power Stop Control	Jan. 27	Jan. 18	1167
13. BEALL, T. E., Gear Cutting, Milling, Planing; Metal Working (part); Needle and Pin Making; Turning	June 7	May 19	535
14. HANLIN, GEORGE, Metal Working (part); Farriery; Wire Fabrics	May 18	May 19	765
15. HENKIN, BENJ., Natural Resins, Rubber (part); Proteins, Carbohydrates and Derivatives; Plastics	June 16	May 10	720
16. SPENCER, C. J., Telegraphy; Telephony	May 10	May 6	545
17. HABECKER, LEON B., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Feb. 4	Feb. 8	567
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	†Dec. 31	†Dec. 24	933
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	Apr. 26	Mar. 16	684
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part); Bank Protection; Safes.	June 5	June 30	565
21. THOMPSON, T. J., Textiles	May 2	May 19	464
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance	Apr. 8	Apr. 8	1233
23. BARROWS, B., Cash Registers; Calculators (part)	Feb. 22	Feb. 4	150
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines	Aug. 6	July 24	460
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	Apr. 19	Apr. 24	769
26. YOUNG, R. R., Electricity—Generation and Motive Power	Feb. 1	Feb. 9	912
27. CLARK, W. N., Brush, Broom, and Mop Making; Brushing, Scrubbing and General Cleaning; Cleaning and Liquid Contact with Solids; Textiles, Fluid Treating Apparatus; Ironing; Washing Apparatus.	May 23	Feb. 29	620
28. SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders, Pistons.	Mar. 9	Mar. 3	851
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Package and Article Carriers; Woodworking; Tools; Metal Working, Assembling.	May 4	Apr. 20	962
30. McCANN, LEO P., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	Mar. 4	Mar. 6	1038
31. DUNCOMBE, C. S., Hydrocarbons; Mineral Oils	June 14	June 16	1001
32. LESH, K., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	June 26	May 22	755
33. HULL, J. S., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements; Plastic Block and Earthenware Apparatus.	July 26	July 12	703
34. SAPERSTEIN, S., Electricity—Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators	Apr. 18	May 30	473
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	May 6	May 15	711
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	Mar. 30	Apr. 10	549
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Mar. 8	Mar. 2	833
38. KRAFFT, C. F., Coating Processes; Coating or Plastic Compositions (part); Rubber (part)	Apr. 3	Apr. 1	686
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	Apr. 29	May 10	801
40. DRUMMOND, E. J., Receptacles (part); Packages	June 8	June 12	822
41. HERTZ, M., Coin Handling; Recorders; Deposit Receptacles; Counters and Calculators (part); Typewriting Machines; Check-Controlled Apparatus.	Feb. 19	Feb. 11	396
42. MARANS, H., Electric Signaling; Electricity, Galvanometers and Meters	May 27	May 23	595
43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	Apr. 21	Apr. 24	733
44. HARVEY, L. P., Refrigeration; Preserving	Jan. 21	Jan. 6	508
45. HILL, H. D., Shafting and Flexible Shaft Couplings; Wheels, Tires, Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part); Spring, Weight and Horsepower Motors.	Mar. 8	May 1	1193
46. BLEECKER, V. E., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Coating Apparatus.	Jan. 26	Jan. 26	582
47. KANOF, WM. J., Brakes; Boring and Drilling; Motor Vehicles; Land Vehicles (part)	June 10	June 7	861
48. ROEPKE, O. B., Electricity, General Applications; Electric Igniters	Apr. 15	Apr. 17	843
49. HEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	May 6	May 9	587
50. LEVIN, SAMUEL, Synthetic Resins	Apr. 20	Apr. 20	1427
51. CROCKER, A. W., Radiant Energy, Multiplex Telephony, Modulators	Apr. 5	Apr. 5	1483
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits; Ornamentation.	Apr. 12	Apr. 10	1109
53. PECK, M. K., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	May 18	Apr. 22	684
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	Jan. 2	Nov. 13	1018
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Laminated Fabrics (part)	Apr. 18	Apr. 13	544
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making	Apr. 3	Apr. 3	888
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	Jan. 10	Mar. 30	871
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements	Apr. 11	May 5	680
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds	Feb. 26	Mar. 10	1499
60. GLASS, R. L., Electricity-Heating; Welding; Furnaces; Batteries and Their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	Jan. 29	Jan. 31	972
61. YUNG KWAI, B., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Boats, Buoys and Ships.	May 13	June 15	737
62. PUGH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors	Apr. 17	Apr. 17	1247
63. WINKELSTEIN, A. H., Poisons; Fermentation; Foods and Beverages; Oils and Fats	Mar. 25	Mar. 22	1016
64. NASH, P. M., Acetylene; Gas Mixers; Compositions (part); Fuel	June 28	June 23	831
65. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays (e. g., Amplifiers).	Feb. 18	Feb. 26	1057
TRADE-MARKS: RICHMOND, F. A.	Sept. 9	Oct. 19	1814
DESIGNS: KALUPY, H. H.	Sept. 30	Oct. 18	740

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Appeals for the District of Columbia

URQUHART ET. AL.
v.
AMERICAN-LA FRANCE FOAMITE CORPORATION

No. 8,645. Decided August 7, 1944
[62 U. S. P. Q. 328]

1. PATENT INFRINGEMENT SUIT—JURISDICTION.
Where defendant, a New York corporation, maintained an office in the District of Columbia, with its name displayed on the door and listed in the telephone directory, and employed an office force consisting of a manager, a stenographer, and two salesmen who took orders for defendant's products in the District and also in neighboring states, *Held* that defendant had an established place of business in the District within the meaning of section 48 of the Judicial Code, which confers jurisdiction over a non-resident in a patent infringement suit.

2. FEDERAL RULES OF CIVIL PROCEDURE—RULE 26(*a*).
Held that the district court was in error in interpreting rule 26(*a*) of the Federal Rules of Civil Procedure as permitting discovery only after jurisdiction has been obtained.

3. SAME—RULE 43(*e*).
The district court *Held* to have discretion under rule 43(*e*) of the Federal Rules of Civil Procedure to decide on affidavits alone defendant's motion to dismiss.

4. PATENT INFRINGEMENT SUIT—JURISDICTION—DOCTRINE OF FORUM NON CONVENIENS.
"It appears that plaintiffs are residents of Pennsylvania, maintaining no place of business in the District. The principal place of business of the defendant is in New York. No reason is disclosed by the plaintiffs why the suit should be brought in the District of Columbia, an apparently inconvenient forum for both parties. It is settled that district courts having jurisdiction by virtue of a federal statute have discretion to withold the exercise of the jurisdiction conferred upon them where the parties are non-residents and where there is no want of another suitable forum."

APPEAL from the District Court of the United States for the District of Columbia. Reversed and remanded.

Mr. J. Matthews Neale (*Mr. William A. Strauch* of counsel) for Urquhart et al.

Mr. Oscar W. Jeffery (*Messrs. Harry G. Kimball* and *Richard K. Stevens* of counsel) for American-La France Foamite Corporation.

Before MILLER, EDGERTON, and ARNOLD, Associate Justices

ARNOLD, *A. J.:*

Plaintiffs brought this action in the District of Columbia against the defendant, a non-resident corporation, for the infringement of two patents. The sole question involved in this appeal is whether the district court had jurisdiction. Section 48 of the Judicial Code has been held by the Supreme Court to be the only statute which confers jurisdiction over a non-resident in an infringement suit.[1] The statute reads as follows:

"In suits brought for the infringement of letters patent the district courts of the United States shall have jurisdiction, in law or in equity, in the district of which the defendant is an inhabitant, or in any district in which the defendant, whether a person, partnership, or corporation, shall have committed acts of infringement and have a regular and established place of business. If such suit is brought in a district of which the defendant is not an inhabitant, but in which such defendant has a regular and established place of business, service of process, summons, or subpoena upon the defendant may be made by service upon the agent or agents engaged in conducting such business in the district in which suit is brought."

The defendant moved to dismiss the complaint and to quash service on the ground that (1) it had no established place of business in the District within the meaning of the above statute, and (2) no infringing acts occurred in the District. The court found for the defendant on both grounds and dismissed the complaint. From this order the plaintiffs appeal.

[1] The following facts appear in the record bearing on the question whether the defendant had an established place of business in the District of Columbia: Defendant is a New York corporation. It maintains an office in the District. Its name is displayed on the door and listed in the telephone directory. The office force consists of a manager, a stenographer and two salesmen. The salesmen not only take orders for the defendant's products in the District but also in neighboring states. The return on the summons shows that service of process was had on the manager of the office.

On the basis of these facts we believe that the court erred in finding that the defendant did not have an established place of business in the District of Columbia. Used in its ordinary sense the term certainly includes the defendant's establishment; indeed, it would be difficult to imagine what other term could be applied to it since the office is permanent and the employment and activities substantial. The case on which the court below relies in concluding that the defendant did not have an established place of business is *Tyler Co.* v. *Ludlow-Saylor Wire Co.*[2] It was there held that a non-resident corporation which shared an agent with another corporation did not have such an establishment within the meaning of the statute. But these are not the facts here. Recent cases have upheld jurisdiction in a patent infringement suit against defendants maintaining a permanent office coupled with substantial business activity.[3]

[2] The second ground on which the order dismissing the action is based is that no act of infringe-

[1] *Stonite Products Co.* v. *Melvin Lloyd Co.*, 538 O. G. 3, 315 U. S. 561, 563 (1942).

[2] 236 U. S. 723 (1915).

[3] *Shelton* v. *Schwartz*, 181 F.(2d) 805, 808 (C. C. A. 7th, 1942):
"Nor should the term 'a regular and established place of business' be narrowed or limited in its construction. . . . A foreign corporation may have a regular and established place of business, although the business therein is merely securing orders and forwarding them to the home office of the non-resident corporation. To hold otherwise would be contrary to the factual information which is possessed by all and which must be attributed to Congress." See also *James P. Marsh Corp.* v. *United States Gauge Co.*, 129 F.(2d) 161 (C. C. A. 7th, 1942); *Remington Rand Business Service, Inc.*, v. *Acme Card System Co.*, 71 F.(2d) 628 (C. C. A. 4th, 1934). Cf. *Phillips* v. *Baker*, 121 F.(2d) 752 (C. C. A. 9th, 1941), cert. den. 314 U. S. 688 (1941). But see *Elevator Supplies Co.* v. *Wagner Mfg. Co.*, 54 F.(2d) 937 (S. D. N. Y. 1931), aff'd 54 F.(2d) 939 (C. C. A. 2d, 1931).

ment occurred in the District. This finding is based on affidavits. The court refused plaintiffs permission to take depositions for the purpose of disproving the allegations of defendant's affidavits on the theory that rule 26(*a*) of the Federal Rules of Civil Procedure permits discovery only after jurisdiction has been obtained. Therefore, depositions may not be taken in order to support a jurisdictional allegation.

We believe that such an interpretation of rule 26(*a*) is error. In many cases it would in effect make it impossible for a plaintiff to obtain counter-evidence against the defendants' affidavits. The correct interpretation as we see it is found in Moore's Federal Practice as follows:[4]

"Where the defendant serves in advance of answer a motion to dismiss under rule 12(*b*), such as a foreign corporation moving to dismiss on the ground of the insufficiency of service of process, it would seem that the court should ordinarily grant leave to the plaintiff to take depositions on the issues of fact, if any, raised by the motion, such as matters relating to the question whether the foreign corporation is doing business in the state, and whether the person served is an agent of the corporation who is authorized to receive service of process under rule 4(*d*) (3), (7)."

The above quotation has been approved in the case of *Jiffy Lubricator Co.* v. *Alemite Co.*[5]

[3] We recognize that the court has discretion under rule 43(*e*) to decide on affidavits alone such a motion to dismiss as the one we are considering here. However, the court did not exercise its discretion in this case and in view of the terms of the affidavits it is likely that permission would have been granted to take depositions had the court thought it had power to do so.

[4] The record discloses, however, a preliminary question on which there should be a hearing and a finding before the court exercises its discretion on the request for depositions. It appears that plaintiffs are residents of Pennsylvania, maintaining no place of business in the District. The principal place of business of the defendant is in New York. No reason is disclosed by the plaintiffs why the suit should be brought in the District of Columbia, an apparently inconvenient forum for both parties. It is settled that district courts having jurisdiction by virtue of a federal statute have discretion to withhold the exercise of the jurisdiction conferred upon them where the parties are non-residents and where there is no want of another suitable forum.[6]

The reason for that discretion is to protect the courts against the abuse of the opportunity of non-residents to resort to their jurisdiction in the enforcement of claims against citizens of other states. As one writer has said:[7]

"Upon what has come to be known as the doctrine of forum non conveniens, some courts have, without resort to statute, refused to entertain jurisdiction in cases involving certain causes of actions when suit is between non-residents or aliens. The reasons for refusal vary considerably. They include unwillingness to extend local judicial facilities to non-residents or aliens when the docket may already be overcrowded; the belief that the non-resident plaintiff sought the forum to secure procedural advantages or to annoy the defendant, and the belief that the matter can be better tried elsewhere."

In determining whether the court should withhold exercise of jurisdiction in this case considerations such as the convenience of the parties, the existence of an adequate remedy at the residence of the defendant, the availability of witnesses and testimony, should govern.

The order will be reversed and the cause remanded (1) for the court to determine whether it should retain jurisdiction over this case applying the principle of forum non conveniens, and (2) for the court to determine, in the exercise of its discretion, whether to take depositions, in the event the first issue is resolved in plaintiffs' favor.

Reversed and remanded.

[4] Moore's Federal Practice (1938) 2467–68.

[5] 28 F. Supp. 385 (D. N. Dak. 1939). See also *Watters* v. *Ralston Coal Co.*, 25 F. Supp. 387 (M. D. Pa. 1938). Contra: *Fox* v. *House*, 29 F. Supp. 673 (E. D. Okla. 1939).

[6] *Massachusetts* v. *Missouri*, 308 U. S. 1, 19 (1939); *Rogers* v. *Guaranty Trust Co.*, 288 U. S. 123, 130, 131 (1933); *Canada Malting Co.* v. *Paterson Steamships, Ltd.*, 285 U. S. 413, 418 and 423 (1932). *Cf. Curley* v. *Curley*, 74 App. D. C. 163, 120 F.(2d) 730 (1941); *Melvin* v. *Melvin*, 76 U. S. App. D. C. 56, 129 F.(2d) 39 (1942).

[7] Stumberg, Conflict of Laws (1937) 150. The confusion which has resulted from the increased interstate activity of corporations and the efforts of the courts to find some definite criteria for guidance has led one writer to conclude: "For certain purposes, hard and fast mechanical rules eventually become unsuitable and inadequate. Insofar as our present problem is concerned, it is obvious that the complexity of new situations must progressively increase. There is only one sufficiently elastic method of assuring adjustment and that is by reposing the determination of the border-line situations in the discretion of the court." Dainow, The Inappropriate Forum (1935) 29 Ill. L. Rev. 867, 870. For collection of authorities see Blair, The Doctrine of Forum Non Conveniens in Anglo-American Law (1929) 29 Col. L. Rev. 1; Foster, Place of Trial in Civil Actions (1930) 43 Harv. L. Rev. 1217, and Place of Trial—Interstate Application of Intrastate Methods of Adjustment (1930) 44 id. 41.

U. S. Court of Customs and Patent Appeals

IN RE HODNETTE

No. 4,915. Decided June 26, 1944. Petition for rehearing denied October 2, 1944

[— F.(2d) —]

PATENTABILITY—INDUCTION APPARATUS.

Certain claims in appellant's application relating to an induction apparatus, comprising a conducting coil and an interfitting magnetic coil, and a process for making the same *Held* unpatentable.

APPEAL from the Patent Office. Affirmed.

Mr. Otto H. Eschholz (*Mr. Ezra W. Savage, Mr. Franklin E. Hardy* and *Mr. Jo. Baily Brown* of counsel) for Hodnette.

Mr. W. W. Cochran (*Mr. R. F. Whitehead* of counsel) for the Commissioner of Patents.

HATFIELD, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting claims 21 to 25, inclusive, in appellant's application for a patent for an alleged invention relating to an induction apparatus, comprising a conducting coil and an interfitting magnetic coil, and a process for making the same.

Claims 21 and 22 define a magnetic core. Claim 23 defines, in combination, the core defined in claims 21 and 22 and a conducting coil. Claims 24 and 25 are method claims. Claim 25 defines the method of making the magnetic core defined in claim 21, while claim 24 adds to claim 25 the step of assembling the core about the coil.

Claims 21 and 24 are sufficiently illustrative of the appealed claims. They read:

21. A core for induction apparatus having a conducting coil and a cooperating interlinked core, said core comprising a continuous ribbon of magnetic sheet material having preferred grain orientation in the direction of the length of the ribbon, wound continuously flatwise upon itself in substantially rectangular loop form in a plurality of overlying successive layers to provide a coil-receiving window therein, and an adherent bonding material filling the spaces between the successive layers and holding the layers against relative movement, said core being severed transversely at two places, the sections having smooth-worked ends, whereby to permit the sections to be assembled around and to enclose a coil within said window with the smooth-worked ends of the core sections in abutting relative positions substantially as before severing.

24. The method of manufacturing an induction device comprising a looped magnetic core and an enclosed coil of conducting material, comprising winding upon itself in successive layers a ribbon of thin flat magnetic material having preferred orientation of the grains in the direction of the length of the strip and consequent highest permeability in that direction, to form a closed loop having a window adapted to receive and closely surround the cooperating coil of conducting material, annealing the core, bonding the adjacent layers of said annealed core together throughout with an intermediate insulating adherent material adapted to hold them in relative position, severing the bonded core transversely at two or more places, mechanically smooth-working the cut ends, reassembling the core sections in original relative end-abutting positions to enclose the coil of conducting material in the core window, and clamping them in that position about the coil.

The references are: Johnson et al. (British), 7,856, of 1889; Loring et al., 639,590, December 19, 1899; Fessenden, 654,390. July 24, 1900; Bliss, 1,174,225, March 7, 1916; Ames, 1,497,469, June 10, 1924; Elmen, 1,586,889, June 1, 1926; Zamboni, 1,750,149, March 11, 1930; British patent, 314,084, May 8, 1930; British patent, 365,160, January 14, 1932; Granfield, 1,992,822, February 26, 1935; Franz, 2,252,461, August 12, 1941.

The record contains another Granfield patent (No. 2,160,588, issued May 30, 1939) and a Ledwinka patent (No. 1,512,032, issued October 21, 1924) which are not cited as references.

Appellant's alleged invention is sufficiently defined by the quoted claims, so that it is not necessary to further explain his structures or the method of making them.

In his decision, the Primary Examiner described somewhat in detail all of the references, and stated that each of the appealed claims was rejected as "unpatentable over any of Johnson, Granfield, Franz, Fessenden, or Elmen," and that the citation of several of the references seemed unnecessary.

The Examiner held that claim 23 was additionally rejected as defining an old combination of core and coil, as disclosed in the patents to Johnson, Fessenden, and other references; that the combination was conventional; that no novelty of cooperation was either alleged or shown; and that if any improvement over the prior art was involved it was because of the magnetic core which, as hereinbefore noted, he held to be unpatentable over the references of record.

With reference to the Johnson, Granfield (No. 1,992,822), and Franz patents, the Examiner said:

All of these three references show cores similar to what applicant claims. Johnson's Fig. 4, Granfield's Fig. 1 structure when cut, and Franz's core all comprise "a continuous ribbon of magnetic sheet material having highest permeability in the direction of its length, wound flatwise upon itself in successive layers," the core "being severed transversely at two or more places having the ends of the resulting sections smooth worked," whereby to permit assembling the core sections around a coil.

While only Granfield discusses the high permeability in the direction of the length of the core ribbon or strip, it is a characteristic known for many years to be present in rolled magnetic strip, discussed in numerous other patents in this art, as well on the first pages of applicant's specification. Johnson specifies the faces of his cores as "if necessary planed or machined true." Granfield cuts "by a metal saw if desired," but it is "better to use a thin abrasive wheel" to cut thru the ring. The faces of the Franz units after cutting are "machined as by grinding, to provide accurate engaging surfaces to minimize the air gap therebetween when disposed in intimate engagement with each other in assembly."

The Examiner called attention to the fact that in the Johnson and Franz patents the laminae of the core were held together by means of bushings and rivets.

With reference to the Fessenden and Elmen patents, the Examiner said:

Both of these references also show wound strip cores of the same general type. Both are even closer to applicant's structure than the first three references however, in that the iron laminae here are also secured together in the identical way claimed, namely by adherent bonding. Fessenden names "paraffin or other suitable cementing material," whereby the elements of the core sections may be "cemented into a solid mass." Elmen specifies "phenol condensation product" as the material, identical with the "Bakelite" which applicant names.

Other references were discussed by the Examiner, but we deem it unnecessary to discuss them here.

The Examiner also held that claims 24 and 25 were unpatentable over claim 21, because the process defined in those claims was "merely the obvious method of making the article" defined in claim 21.

The Examiner called attention to a somewhat lengthy affidavit of appellant from which we quote the following:

When it was discovered in this art about 1916 that the arrangement of grain structure in magnetic material involved less resistance to the flow of magnetic flux in one direction than in other directions, according to the arrangement of the grains, and many years later that material having desired grain orientation for giving high permeability in a selected direction could be produced commercially by a special process of rolling suitable metal into thin strips, and such highly directional material was produced commercially, there resulted an additional incentive to form cores by winding upon itself a continuous strip of material, the strip being so rolled and cut that the path of greatest permeability, that is to say the path of least resistance to the flow of magnetic flux therethrough, would be in the direction of length of the strip.

It appears from the affidavit that before the "preferential directional material was known,"

it had been proposed to wind up cores from a continuous strip of magnetic material; that in order to secure the desirable interlinking of a wound-up core with a suitable coil, the wound-up core was cut in one or more places so that the coil could be inserted in the severed core; and that, so far as he was aware, none of such cores had been

"produced in commercial quantities nor have they been produced with any magnetic material having any substantial preferred orientation or maximum permeability in a definite direction."

The affiant further stated that to make a preformed core of material having desired grain orientation for giving high permeability in a selected direction presented great difficulty to those skilled in the art; that the better the magnetic properties of the new material are, the more sensitive the ma-

terial is under stress; that it was desirable to have the core free from distortion of the material and to avoid air gaps therein; that after the preferred directional magnetic material became available in commercial quantities, appellant's assignee (The Westinghouse Electric & Manufacturing Company) had several of its skilled workers, familiar with transformer engineering, redesign the company's transformer coils; that

"Several years of intensive study and experimentation followed, *during which the transformer cores of the Westinghouse Company were completely redesigned at least three times*" [italics ours];

that those designs were not adopted because of objections found to exist therein; that

"Applicant considered many different ways for providing a commercially satisfactory transformer core from a continuous strip of highly directional metal. He tried many different ways of cutting a coiled-up core to permit its pre-forming and subsequent assembly around a coil, before he found the solution by bonding the *finished annealed core so as to produce in effect a unitary mass that could be accurately machined without changing the relative relations of the layers of the core*" [italics ours];

that if the laminated layers were not bonded they would be short-circuited at the cut ends

"by burrs formed by the cutting tools";

that when cut, they were spread apart by the cutting action and other defects were found to be present; that after the applicant had worked on the problem for a long period of time and the Westinghouse Company had spent about a half-million dollars in developing a satisfactory transformer core, appellant

"conceived the idea of bonding the wound-up coil of core material with an adherent material that would make the core substantially into a unitary mass throughout";

that such treatment produced a core that could be machined as though it were one solid piece of metal; that appellant's device has been commercially successful; and that his alleged invention

"has revolutionized the method of manufacture *as used by the Westinghouse Company.*" [Italics ours.]

Appellant also referred in his affidavit to many advantages obtained by his new core over the prior art, such as economy of manufacture, and other advantages which need not be set forth here. He then stated:

The advantages above noted *are largely due to the use of a coiled core of preferred directional material, rather than to my particular way of making such a core. But it is fair, from a practical view point, to attribute these advantages to my particular core and the method of making it.* [Italics ours.]

Appellant further stated that, although he had been familiar with the art for many years and with the products of several companies in the United States and abroad, he knew of

"no use of bonding of laminated cores to permit cutting and reassembling in end-abutting relation to reduce air gap losses, as described in this application. That step was arrived at by me only after much study and many unsuccessful experiments."

In its decision, affirming the decision of the Primary Examiner, the Board of Appeals, among other things, said:

Of the primary references one of the best examples is the patent to Franz. Appellant concedes on page 16 of his brief that the core of Franz was made of a strip of special permalloy steel which has preferred orientation and consequently highest magnetic permeability in the direction of the length of the strip. Applying this reference to claim 22, it appears to be made of a sheet of material wound flatwise upon itself and the layers connected together by bushings 14 to hold them against relative movement. After the coils have been drilled to insert the bushings 14, they are annealed in the Franz process by subjecting them to a suitable temperature and then cooling them. The patentee discloses that subsequent to the casting of the bushings 14, the coil is severed longitudinally at two points indicated at 20 in Fig. 1 by sawing and that the edges of the units are machined in any suitable manner, such as by grinding, to provide accurate engaging surfaces to minimize the air gap therebetween when disposed in intimate engagement with each other in the assembly. The difference of claim 22 over this disclosure appears to reside in the different means used by applicant to bond together the layers of the core.

The secondary art, as for example, in the patents to Elmen and Fessenden, discloses making coils for the purpose in which the coils are cemented together in Elmen by means of phenol condensation product and in Fessenden by means of paraffin or other suitable cementing material much in the manner of applicant's bonding. The Elmen patent, for example, states that the phenol condensation product is transformed into a hard, infusible and rigid material in which the magnetic material is embedded and is held so securely in place that the permeability will not be changed materially.

The Board then held that claim 22 was not patentable over the Franz reference in view of Elmen or Fessenden, and that it would not involve invention to substitute binding material for the bushings in the Franz structure; that claims 21 and 23 were not patentable over the same combination of references; and that claims 24 and 25 were unpatentable over the references of record and were also unpatentable as they defined the obvious method of making the article set out in claim 21.

It is contended here most vigorously by counsel for appellant that, although it may be that all of the elements disclosed in claims 21, 22, and 23 are old in the art, nevertheless, after the discovery of magnetic sheet material having preferred grain orientation in the direction of its length, there was a real problem confronting the art, as stated in appellant's affidavit. Counsel further contend that the affidavit was ignored by both the Primary Examiner and the Board of Appeals, although they admit later in their brief that the Board did consider it.

As a matter of fact, it appears from the record that both the Primary Examiner and the Board of Appeals gave consideration to appellant's affidavit.

The Ames reference, referred to by the Examiner but not by the Board, discloses a magnetic core and a method of making the same. The Ames core is not made of the material used by appellant. However, the patentee discloses the use of pieces of iron or wire or the like, packed into a longitudinal or tubular casing containing insulating or other suitable material. The patentee states that

"After the casing has been filled with the magnetic material shellac or other insulating and binding material is forced into the interstices between the pieces of magnetic material"

by means of which air bubbles are carried away and the crevices between the magnetic material are filled with the insulating material. The patentee further states:

If the core is to be inserted into a magnetic circuit with its ends abutting against opposing faces of the circuit the ends of the core are preferably ground or machined to make them perfectly flat and parallel and to afford good magnetic contacting surfaces.

In the patent to Elmen (issued June 1, 1926) it is stated:

There has recently been discovered a magnetic alloy comprising nickel and iron, which when properly heat treated has remarkably high permeability at low magnetizing forces of the order employed in electric signaling.

The patentee, Elmen, discloses a circular core made up of strips of highly permeable magnetic material coiled upon itself. The core is wound with paper between its laminae which is burned during the annealing process, and the spaces between the laminae are filled with a bonding material which later solidifies to form a hard rigid mass. The patentee states that the preferred impregnating substance is a phenol condensation product. He described in detail the reason for the use of the insulating material.

It is conceded by counsel for appellant that the magnetic core disclosed in the patent to Granfield (No. 1,992,822) was made by winding a strip of directional magnetic material, and that the core when wound was severed into two semi-circular pieces.

It is true, as stated by counsel for appellant, that the patentee Granfield did not bind the laminae of his core into an integral unit before cutting, as does appellant. However, the patentee shows, without describing, securing the outer free end of the laminated ring by welding or riveting. In the patentee's process, the laminated ring is severed at both sides by means of a thin abrasive wheel to form two sections. The severed ring is then connected to a laminated center leg and a thin layer of insulating material, such as fiber, is placed between each end of each ring section and the center leg to prevent short-circuits between the laminations.

The patent to Franz discloses a method of making electro-magnetic cores. The patentee discloses material similar to that used by appellant. The cores in the patentee's process are made substantially the same as are appellant's, except that, instead of an insulating or binding material being placed between the laminae, the patentee uses bushings to hold the layers of magnetic material against relative movement.

The patent to Fessenden discloses an induction coil and a magnetic core formed by wrapping iron wire "around a suitable former." The patentee states that the "former" around which the wire is wound is boiled in paraffin or other suitable cementing material, and the strands of wire are cemented into a solid mass.

It thus appears that the magnetic material used by appellant was old in the art, and that it was also old in the art to use insulating material between the laminations of a magnetic core, although the references do not disclose the use of an insulating or binding material to bind the laminations of the new magnetic material in the exact manner shown by appellant.

Counsel for appellant rely to a considerable extent on appellant's affidavit, hereinbefore referred to, to sustain their contention that the claims involve patentable subject matter.

Appellant apparently was not as confident of the patentability of the appealed claims at the time of the filing of his affidavit as are his counsel, because, as hereinbefore noted, he stated therein that

"The advantages above noted are largely due to the use of a coiled core of preferred directional material [which he stated was old in the art], rather than to my particular way of making such a core."

He further stated, however, that

"it is fair, from a practical view point, to attribute these advantages to my particular core and the method of making it."

It would seem to be clear from appellant's affidavit that his knowledge of the prior art was limited to cores which were produced in commercial quantities, and that he was not familiar with all of the prior art patents cited by the tribunals of the Patent Office at the time he was endeavoring to produce the involved core. Had appellant examined those patents, we think he would have had no difficulty in observing that they disclosed, or at least plainly suggested, that by filling the spaces between the successive layers of magnetic sheet material with an adherent bonding material, the layers of magnetic sheet material would be secured against relative movement.

It may be that, from a practical standpoint, appellant's core is better than any of the cores disclosed in the references. However, we are unable to hold, in view of the references of record, that appellant's core, as defined in appealed claims 21 and 22, involves patentable subject matter.

Furthermore, we are of opinion that claim 23, which defines the combination of a magnetic core and a conducting coil, is unpatentable over the references of record and for the reasons stated by the Primary Examiner.

Process claim 24 defines a method of making the core defined in claim 21 and reassembling the severed core sections in end-abutting positions to enclose the coil in the core window and clamping them in that position about the coil. If article claims 21, 22, and 23 are not patentable, and, for reasons hereinbefore stated, we think they are not, it is obvious that claim 24 is not patentable.

Claim 25 defines the obvious method of making the magnetic core defined in claim 21, and as the magnetic core is not patentable over the references of record, we are of opinion that claim 25 is likewise unpatentable.

We have given careful consideration to the arguments presented here by counsel for appellant and to appellant's affidavit of record, but are unable to hold that the tribunals of the Patent Office erred in rejecting the appealed claims.

For the reasons stated, the decision of the Board of Appeals is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,378,307, W. H. Young, Apparatus for cracking and refining petroleum products; 1,484,445, 1,534,927, 1,686,654, C. P. Dubbs, Method for treating hydrocarbons; 1,537,593, G. Egloff, Process for cracking oil; 1,602,990, R. I. Pollock, Process and apparatus for converting hydrocarbons. D. C. Del., Doc. E 785, *Universal Oil Products*

Co. v. *Winkler-Koch Engineering Co. et al.* Stipulation and order dismissing action without prejudice Sept 21, 1944.

1,451,269, Patch & Rommey, Resilient wheels, filed Oct. 26, 1944, D. C., S. D. Calif. (Los Angeles), Doc. 3966, *Calrew, Inc.*, v. *Pacific Electric Rwy. Co.*

1,484,445. (See 1,378,307.) 1,534,927. (See 1,378,307.)

1,537,593. (See 1,378,307.)

1,589,729, H. A. Weiler, Pipe fitting; 1,692,582, W. D. Shaffer, Oil well packing head; 1,925,406, same, Casing head for oil wells; 1,927,190, O. K. Stephens, Casing landing, packing and blowout prevention assembly, D. C., N. D. Tex. (Fort Worth), Doc. 576 *W. D. Shaffer et al.* v. *Rector Well Equipment Co., Inc.* Dismissed Oct. 12, 1944.

1,602, 990. (See 1,537,593.) 1,686,654. (See 1,378,307.)

1,692,582. (See 1,589,729.)

1,800,107, J. J. Schmitt, Folding chair, D. C. Wis. (Milwaukee), Doc. 706, *J. J. Schmitt* v. *Norcor Mfg. Co.* Dismissed for want of equity (notice Oct. 23, 1944).

1,875,077, A. R. Maulsby, Method of applying backing fabrics to linings, filed Oct. 25, 1944, D. C., S. D. Calif., C. Div., Doc. 3964, *A. R. Maulsby* v. *Golden State Casket Co.*

1,910,413, E. G. Staude, Paper box machine, D. C., S. D. Ohio, W. Div., Doc. 198, *E. G. Staude Mfg. Co.* v. *The Interstate Folding Box Co.* Order dismissing cause without prejudice Oct. 18, 1944.

1,917,634, M. R. Carpenter, Ice rink structure, D. C., N. D. Tex. (Fort Worth), Doc. 356, *M. R. Carpenter* v. *Texas Ice Events, Inc., et al.* Order of dismissal Oct. 6, 1944.

1,925,406. (See 1,589,729.) 1,927,190. (See 1,589,729.)

1,933,099, H. Derman, Built-up container, D. C., S. D. N. Y., Doc. 24/157, *H. Derman* v. *Gimbel Bros., Inc.* Notice to dismiss filed by plaintiff Sept. 14, 1944.

1,961,242, J. J. Osplack, Angle tangent to radius dresser, filed Oct. 23, 1944, D. C., S. D. Ind. (New Albany), Doc. 161, *Vinco Corp.* v. *W. F. Myers Co., Inc.*

2,041,675, Frank & Harper, Electrical distribution system, appeal filed Oct. 14, 1944, C. C. A., 2d Cir., Doc. —, *Bulldog Electric Products Co.* v. *Cole Electric Products Co., Inc.*

2,127,310. (See 2,191,063.)

2,177,240, H. C. Brumbaugh, Wax and like composition and method for preparing same, D. C., N. D. Ohio, E. Div., Doc. 20412, *Universal Chemical Corp.* v. *Carbide & Carbon Chemicals Corp. et al.* Patent held invalid, complaint dismissed Sept. 5, 1944.

2,190,853. (See 2,191,063.) 2,191,060. (See 2,191,063.)

2,191,063, P. Smit, Manufacture of absorbent and iron exchanging materials; 2,205,635, same, Method of changing the character of solutions by base-exchange; 2,206,007, A. Liebknecht, Process for the production of conversion products from carbonaceous materials; 2,191,060, same, Carbonaceous zeolite and preparation thereof; 2,190,853, W. Vaughan, Conditioning water; 2,127,310, R. Riley, Hydrogen zeolite water treatment, C. C. A., 8th Cir., Doc. 12827, *National Aluminate Corp.* v. *The Permutit Co.* Judgment of lower court affirmed Oct. 18, 1944.

2,203,482, F. Alexander, Gaseous conduction lamp, filed Oct. 19, 1944, D. C., S. D. N. Y., Doc. 28/21, *F. Alexander* v. *Fluorescent Co. of America.*

2,205,635. (See 2,191,063.) 2,206,007. (See 2,191,063.)

2,215,695, J. Ginsberg, Merchandise shipping container, filed Sept. 6, 1944, D. C., S. D. N. Y., Doc. 27/253, *J. Ginsberg* v. *Railway Express Agency, Inc., et al.*

2,297,156, F. Magidson, Machine for making Gem paper clips, filed Oct. 30, 1944, D. C., W. D. Pa. (Pittsburgh), Doc. 3390, *Pittsburgh Cut Wire Co.* v. *Sufrin's, Inc., et al.*

2,351,492, E. Cowles, Method and apparatus for treating paper stock, D. C., S. D. N. Y., Doc. 26/284, *The Cowles Co. et al.* v. *San-Nap-Pak Mfg. Co., Inc.* Consent judgment holding patent valid and infringed (notice Oct. 11, 1944).

Des. 104,138, D. A. Grandinetti, Combined fruit and vegetable expresser and strainer, D. C., N. D. N. Y., Doc. E 3089, *V. C. Bourgin et al.* v. *D. A. Grandinetti et al.* Patent held valid Jan. 2, 1942; bill dismissed Oct. 10, 1944.

Des. 137,627, S. Beck, Coat, filed Sept. 7, 1944, D. C., S. D. N. Y., Doc. 27/265, *Matlin Cloak & Suit Co., Inc.*, v. *Hoffman-Boylin et al.*

T. M. 409,136, E. A. Brass, Fire alarm apparatus railway signal controls, safety gates, etc., filed Sept. 15, 1944, D. C., W. D. Ky. (Louisville), Doc. 748, *Butler Engineering Co.* v. *Electric Chemical Engineering Co.*

TRADE-MARKS

OFFICIAL GAZETTE, DECEMBER 5, 1944

[VOL. 569. No. 1]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 454,547. WHITE OAK COAL COMPANY, Mount Hope, W. Va., assignor to The New River Company, Mount Hope, W. Va., a corporation of West Virginia. Filed July 27, 1942.



Applicant is the owner of Reg. No. 55,108 (renewed). No claim is made to the words "New River," "Smokeless," "Coal" and "Coke" apart from the mark. The drawing is lined for red.

FOR COAL AND COKE.

Claims use since 1912; and since June 8, 1899, for "White Oak."

Ser. No. 467,401. KIMBERLY-CLARK CORPORATION, Neenah, Wis. Filed Feb. 14, 1944.

Kacelite

FOR PAPER AND CREPED CELLULOSE WADDING, BOTH IMPREGNATED WITH PHENOLIC RESIN PLASTIC USED FOR GENERAL MOLDING AND LAMINATING.

Claims use since Aug. 17, 1943.

Ser. No. 467,402. KIMBERLY-CLARK CORPORATION, Neenah, Wis. Filed Feb. 14, 1944.

Kacetex

FOR PAPER AND CREPED CELLULOSE WADDING BOTH IMPREGNATED WITH PHENOLIC RESIN PLASTIC AND USED FOR REPLACING FABRICS IN THE LINING OF CONTAINERS, BALLOONS, AND BAGS, AND, IN TAPE FORM, AS A CAMOUFLAGE MATERIAL.

Claims use since Aug. 19, 1943.

Ser. No. 467,403. KIMBERLY-CLARK CORPORATION, Neenah, Wis. Filed Feb. 14, 1944.

Kimpreg

Applicant is the owner of Reg. Nos. 229,755 and 304,895.

FOR PAPER AND CREPED CELLULOSE WADDING BOTH IMPREGNATED WITH PHENOLIC RESIN PLASTIC, AND USED FOR APPLYING TO SURFACES OF ARTICLES OF MANUFACTURE.

Claims use since May 27, 1943.

Ser. No. 472,937. CIBA COMPANY, INC., New York, N. Y. Filed Aug. 4, 1944.

RESIFIN

FOR SYNTHETIC RESINS OF THE UREA RESIN TYPE IN THE FORM OF WATER SOLUTIONS AND WATER PASTES.

Claims use since June 19, 1942.

CLASS 2

RECEPTACLES

Ser. No. 469,420. M. C. WENTZ, Los Angeles, Calif. Filed Apr. 17, 1944.



FOR WOODEN TRAYS, WOODEN SALT AND PEPPER SHAKERS, WOODEN COOKIE AND SNACK JARS, WOODEN HORS D'OEUVRE HOLDERS, WOODEN SPICE SETS, AND WOODEN SALAD BOWLS.

Claims use since May 9, 1944.

Ser. No. 472,478. ROBERT L. TAYLOR, Pittsburgh, Pa. Filed July 21, 1944.

PLYCRETE

FOR ROUGH-BOXES CONSTRUCTED OF AIR-SPACED ASPHALTIC BOARD COATED WITH ASPHALT PAINT FOR BURIAL CASKETS.

Claims use since Apr. 4, 1942.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 472,783. MINNESOTA MINING & MANUFACTURING COMPANY, St. Paul, Minn. Filed July 31, 1944.

WIRE LOK

The word "Wire" is disclaimed apart from the mark.
FOR COATED ABRASIVES.
Claims use since January 1944.

Ser. No. 473,001. THE C. S. WELCH COMPANY, New York, N. Y. Filed Aug. 5, 1944.

Bathasweet

FOR DETERGENT PREPARATIONS IN POWDER AND IN LIQUID FORM WHICH ARE ADDED TO THE BATH TO PERFUME THE WATER AND CREATE BUBBLES OR FOAM THEREIN, BATH MITTS CONSISTING OF A SOAP FILLED CLOTH PAD WITH A HAND STRAP, AND TOILET SOAP.
Claims use since June 8, 1938.

Ser. No. 474,200. LYNETTE PERFUMES, INC., New York, N. Y. Filed Sept. 14, 1944.

Lynmark

FOR SHAVING CREAM AND SHAVING SOAP.
Claims use since Aug. 21, 1944.

CLASS 5

ADHESIVES

Ser. No. 471,358. THE PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa. Filed June 17, 1944.

PENNSALT MS-1

FOR MOLDING AND CORE BINDER SOLUTIONS.
Claims use since Jan. 24, 1944.

Ser. No. 474,179. UNION-BAYSTATE CO. INC., Cambridge, Mass. Filed Sept. 13, 1944.

UBAPOL

FOR ADHESIVE CEMENT.
Claims use since Aug. 9, 1944.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 464,542. ORVILLE E. MCKIM, doing business as McKim Dental Service, Port Chester, N. Y. Filed Oct. 30, 1943.

NODOR

FOR DEODORIZING SOLUTION FOR USE IN MASKING HOUSEHOLD ODORS SUCH AS ODORS OF FOOD.
Claims use since Feb. 1, 1943.

Ser. No. 467,843. DUREX PRODUCTS, INC., New York, N. Y. Filed Feb. 29, 1944.

METAKOL

FOR VAGINAL JELLY.
Claims use since January 1939.

Ser. No. 471,611. THE LANNETT COMPANY, INCORPORATED, Philadelphia, Pa. Filed June 24, 1944.

ANECAL

FOR DERMATOLOGICAL PREPARATION FOR THE RELIEF OF ITCHING DUE TO EXTERNAL CAUSES SUCH AS PRURITUS ANI AND VULVAE, INDUSTRIAL DERMATOSIS, POISON IVY DERMATOSIS AND POISON OAK DERMATOSIS AND OTHER SKIN IRRITATIONS OF EXTERNAL CHARACTER.
Claims use since Apr. 26, 1943.

Ser. No. 471,796. GASTON DE PARIS, INC., New York, N. Y. Filed June 29, 1944.

NO REGRETS

FOR PERFUMES AND TOILET WATER.
Claims use since June 24, 1944.

Ser. No. 472,933. CIBA COMPANY, INC., New York, N. Y. Filed Aug. 4, 1944.

PROTEX

FOR DISPERSANT AND DYEING ASSISTANT.
Claims use since Nov. 13, 1940.

Ser. No. 472,991. OXFORD LABORATORIES, San Francisco, Calif. Filed Aug. 5, 1944.

Lovo-dent

No claim is made to the word "Dent" apart from the mark.
FOR DENTIFRICE.
Claims use since January 1944.

Ser. No. 473,235. STANDARD BRANDS INCORPORATED, New York, N. Y. Filed Aug. 12, 1944.

STANOFILL

FOR DRY AND LIQUID MIXTURES CONSISTING OF MALT SUGARS AND SOLUBLE DEXTRINS ADAPTED FOR USE IN PHARMACEUTICAL MANUFACTURING, COMPOUNDING OR THE LIKE, AS AN EXCIPIENT, DILUENT OR CARRIER, FOR, OR IN THE PREPARATION OF, VITAMINIC, PROTEINIC, OR OTHER NUTRITIVE OR THERAPEUTIC COMPOSITIONS PREPARED IN BULK, IN TABLETS OR OTHER FORM.
Claims use since May 19, 1944.

Ser. No. 473,240. ALLAIRE, WOODWARD & Co., Peoria, Ill. Filed Aug. 14, 1944.

Liquid Ellampio

No claim is made to the word "Liquid" apart from the mark.
FOR LIQUID SPRAY TO BE USED AGAINST FLIES, MOSQUITOES, MOTHS, FLEAS, BEDBUGS, LICE, COCKROACHES, AND ANTS.
Claims use since Nov. 1, 1923.

Ser. No. 473,336. QUAKER CHEMICAL PRODUCTS CORPORATION, Conshohocken, Pa. Filed Aug. 16, 1944.

THERMOL

FOR FULLING AGENT FOR USE IN THE TEXTILE INDUSTRIES.
Claims use since Oct. 1, 1935.

Ser. No. 473,468. CURTS-FOLSE LABORATORIES, Kansas City, Kans. Filed Aug. 21, 1944.

Akrodin

FOR ASTRINGENT FOR VETERINARY USE.
Claims use since 1929.

Ser. No. 473,676. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio. Filed Aug. 28, 1944.

Stran

FOR SHAMPOO.
Claims use since July 24, 1944.

Ser. No. 473,742. LEN-MARSH CORPORATION, Paterson, N. J. Filed Aug. 30, 1944.

KIN-STED

FOR SKIN CREAMS.
Claims use since January 1943.

Ser. No. 473,768. BRISTOL-MYERS COMPANY, New York, N. Y. Filed Aug. 31, 1944.

BIOGELS

FOR MULTIPLE VITAMIN GELATIN TABLET.
Claims use since Aug. 14, 1944.

Ser. No. 473,822. HOFFMANN-LA ROCHE, INC., Nutley, N. J. Filed Sept. 1, 1944.

SYNTROBARB

FOR MEDICAL PREPARATION FOR USE IN THE TREATMENT OF HYPERTENSION, SPASM, DYSMENORRHEA, ALLERGIES, AND VARIOUS ALLIED CONDITIONS.
Claims use since Aug. 14, 1944.

Ser. No. 473,823. HOFFMANN-LA ROCHE, INC., Nutley, N. J. Filed Sept. 1, 1944.

SYNTRONAL

FOR MEDICAL PREPARATION FOR USE IN THE TREATMENT OF HYPERTENSION, SPASM, DYSMENORRHEA, ALLERGIES, AND VARIOUS ALLIED CONDITIONS.
Claims use since Aug. 12, 1944.

Ser. No. 473,827. MONSANTO CHEMICAL COMPANY, St. Louis, Mo. Filed Sept. 1, 1944.

CYCLOCURE

FOR COMPOUNDS USED AS VULCANIZATION ACCELERATORS IN THE CURING OF RUBBER ARTICLES.
Claims use since Nov. 19, 1943.

Ser. No. 473,954. CHARLES H. PATRICK, Salisbury, N. C. Filed Sept. 7, 1944.

UNIDYE

FOR LEVELING AGENT AND A STRIPPING AGENT TO BE USED IN DYEING VAT AND SULPHUR COLORS.
Claims use since June 1, 1944.

Ser. No. 474,025. ENDO PRODUCTS INC., New York, N. Y. Filed Sept. 9, 1944.

CASIDE

FOR PREPARATION FOR LIQUEFACTION OF BRONCHIAL MUCOUS SECRETIONS.
Claims use since August 1940.

Ser. No. 474,414. HOWARD L. JOHNSON, doing business as the Glades Company, Homestead, Fla. Filed Sept. 20, 1944.

Glades

FOR MEDICINAL PREPARATION FOR TREATING PRICKLY HEAT, CHAFE, ATHLETE'S FOOT, DIAPER RASH, AND MINOR SKIN IRRITATIONS.
Claims use since Jan. 1, 1944.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 465,728. AMERICAN BRAKE SHOE COMPANY, New York, N. Y. Filed Dec. 13, 1943.

A-B-K

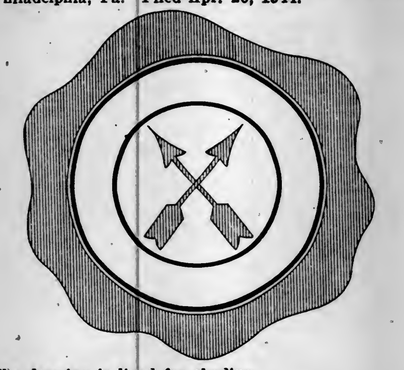
FOR PLASTIC TILES, AND PLASTIC SLABS FOR USE AS FLOOR COVERINGS, WALL COVERINGS, STAIR TREADS, ETC.
Claims use since Sept. 12, 1942.

Ser. No. 469,488. THE ATLANTIC REFINING COMPANY, Philadelphia, Pa. Filed Apr. 20, 1944.



The drawing is lined for shading. Applicant disclaims the words "Refining Company" except as shown.
FOR BITUMINOUS OILS FOR CONSTRUCTION PURPOSES.
Claims use since Sept. 1, 1931.

Ser. No. 469,489. THE ATLANTIC REFINING COMPANY, Philadelphia, Pa. Filed Apr. 20, 1944.



The drawing is lined for shading.
FOR BITUMINOUS OILS FOR CONSTRUCTION PURPOSES.
Claims use since Sept. 1, 1931.

Ser. No. 472,370. SUNVENT METAL AWNING COMPANY, New York, N. Y. Filed July 18, 1944.

Sunvent

FOR METAL AWNINGS.
Claims use since July 26, 1937.

Ser. No. 472,990. NATIONAL GYPSUM COMPANY, Buffalo, N. Y. Filed Aug. 5, 1944.

FLEXBESTOS

FOR ASBESTOS CEMENT BOARDS.
Claims use since March 1944.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 466,957. UNION AIRCRAFT PRODUCTS CORPORATION, New York, N. Y. Filed Jan. 28, 1944.

UNIONAIR

FOR METAL PIPE FITTINGS THROUGH WHICH FLUID IS CONDUCTED—NAMELY, PLUGS, UNIONS, COUPLINGS, BUSHINGS, REDUCING FITTINGS, THREADED FITTINGS FOR APPLICATION AS CONNECTIONS BETWEEN HYDRAULIC CONDUITS, PLUG AND BLEEDER, FLARED TUBE UNIONS, SLEEVE COUPLING NUTS, COUPLING SLEEVES, FLARED TUBE FITTING CAPS, BULKHEAD UNIONS, UNIVERSAL FLARED UNIONS, ADAPTERS-HOSE TO FLARED TUBE, SCREW THREAD REDUCER BUSHINGS, FLARED TUBE BULKHEAD AND UNIVERSAL FITTINGS.
Claims use since May 1, 1941.

Ser. No. 472,841. CROWN FASTENER CORPORATION, Warren, R. I. Filed Aug. 2, 1944.

JUMBO

FOR SEPARABLE SLIDE FASTENERS KNOWN AS ZIPPERS.
Claims use since May 18, 1944.

Ser. No. 473,194. PILLING CHAIN COMPANY, Providence, R. I. Filed Aug. 11, 1944.



FOR SLIDERS, TOP STOPS, BOTTOM STOPS, PULL CHAINS, AND PULL TABS COMPRISING ACCESSORIES OF SLIDE FASTENER STRINGERS.
Claims use since June 1944.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 473,907. CRUCIBLE STEEL COMPANY OF AMERICA, New York, N. Y. Filed Sept. 6, 1944.

Rex M-2

FOR HIGH SPEED STEEL.
Claims use since Aug. 12, 1944.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 473,709. ROXALIN FLEXIBLE FINISHES, INC., Elizabeth, N. J. Filed Aug. 29, 1944.



FOR WRINKLE FINISH COMPOSITIONS, IN THE NATURE OF VARNISHES AND PHTHALIC ANHYDRIDE OIL MODIFIED RESIN COATING MATERIALS; PUTTIES; FILLERS IN THE NATURE OF PIGMENTED COMPOSITIONS FOR FILLING THE PORES OR IRREGULARITIES IN A SURFACE PREPARATORY TO APPLICATION OF OTHER FINISHES; PAINTERS' SIZES, IN THE NATURE OF LIQUID COATING COMPOSITIONS, USUALLY TRANSPARENT, FOR SEALING POROUS SURFACES PREPARATORY TO APPLICATION OF FINISHING COATS; PRIMERS, IN THE NATURE OF PIGMENTED AND CLEAR COATING COMPOSITIONS USUALLY APPLIED TO SURFACES TO PRODUCE A BOND BETWEEN SUCH SURFACES AND SUBSEQUENT COATS; SURFACERS, IN THE NATURE OF CLEAR AND PIGMENTED COMPOSITIONS FOR FILLING MINOR IRREGULARITIES TO OBTAIN SMOOTH UNIFORM SURFACES PREPARATORY TO APPLYING FINISH COATS; VARNISHES; DOPES IN THE NATURE OF COATINGS FOR AVIATION FABRICS AND FOR NATURAL AND ARTIFICIAL LEATHER; DRIERS FOR PAINTS, VARNISHES, VARNISH ENAMELS, AND SYNTHETIC ENAMELS; PASTE AND READY-MIXED PAINTS; STAINS; AND COATING COMPOSITIONS GENERALLY IN THE NATURE OF PAINTS, VARNISHES AND LACQUERS, COMPRISING NATURAL AND SYNTHETIC RESINS SUCH AS EAST INDIA GUM, CONGO GUM, KAURI GUM, CHLORINATED RUBBER, CELLULOSIC COMPOUNDS, PHENOLIC RESINS, VINYL RESINS, UREA FORMALDEHYDE RESINS, ALKYD RESINS, GLYPTAL RESINS, METHACRYLATES, AND THE LIKE.
Claims use since 1936.

Ser. No. 474,631. BENJAMIN F. HIRSCH, doing business as Plastone Company, Chicago, Ill. Filed Sept. 26, 1944.

PLASTONE

FOR FURNITURE AND AUTOMOBILE POLISHES IN LIQUID AND WAX FORMS.
Claims use since May 1, 1943.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 455,227. CHARLES & CO., INC., New York, N. Y. Filed Sept. 1, 1942.

C AND C

FOR SMOKING TOBACCO.
Claims use since December 1923.

Ser. No. 473,266. BOMBER CIGAR COMPANY, Los Angeles, Calif. Filed Aug. 15, 1944.

AIR QUEEN

The word "Queen" is disclaimed apart from the mark.
FOR CIGARS.
Claims use since Apr. 18, 1944.

CLASS 19

VEHICLES

Ser. No. 472,833. ATLAS SUPPLY COMPANY, Newark, N. J. Filed Aug. 2, 1944.

ASCO

FOR BRAKE SHOES, LINED, FOR USE ON VEHICLES.
Claims use since Apr. 7, 1944.

Ser. No. 472,912. THE TRAILER COMPANY OF AMERICA, Cincinnati, Ohio. Filed Aug. 3, 1944.



The portrait is not that of any living individual.
FOR TRAILERS AND PARTS THEREOF, SPECIFICALLY BODIES AND CABS SOLD AS SEPARATE UNITS.
Claims use since Dec. 5, 1912.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 467,906. THE TRUMBULL ELECTRIC MANUFACTURING COMPANY, Plainville, Conn. Filed Mar. 1, 1944.

BROODERATOR

FOR UNITARY ELECTRIC HEATING AND AIR CIRCULATING UNITS AND PARTS THEREOF FOR USE IN POULTRY HOVERS.
Claims use since November 1939.

Ser. No. 472,260. ROSE ROBBINS, doing business as Baronette Radio Tube Co., New York, N. Y. Filed July 14, 1944.

BARONETTE

FOR RADIO RECEIVING SETS AND PARTS THEREOF, TELEVISION RECEIVING SETS AND PARTS THEREOF, ELECTRICAL PHONOGRAPHS AND PARTS THEREOF, COMBINATION ELECTRICALLY AND MANUALLY OPERATED PHONOGRAPHS AND PARTS THEREOF, OFFICE INTERCOMMUNICATION TELEPHONE ARRANGEMENTS AND PARTS THEREOF, ELECTRICAL APPARATUS FOR RECORDING SOUND ON DISK, CYLINDER AND FILM-SHAPED SOUND RECORD CARRIERS AND PARTS THEREOF, LOUD SPEAKERS AND RADIO TUBES.
Claims use since May 3, 1940.

Ser. No. 473,442. E. PAUL BELL, doing business as Multronics Associates, Oshkosh, Wis. Filed Aug. 19, 1944.

MULTRONICS

FOR RADIO TRANSMITTERS AND RECEIVERS AND PARTS THEREOF.
Claims use since Aug. 8, 1944.

Ser. No. 473,911. IRENE KAPLAN, doing business as Nalpak, New York, N. Y. Filed Sept. 6, 1944.

NALPAK

FOR ELECTRIC RANGES AND COOKERS, ELECTRIC HEATERS, ELECTRIC DESK, WALL, AND FLOOR CIRCULATING FANS, ELECTRIC TOASTERS, ELECTRIC HOT PLATES, ELECTRIC DISH AND BOTTLE WASHERS, ELECTRIC BROILERS, ELECTRIC GRIDDLES, ELECTRIC FOOD WARMERS, RADIO RECEIVING SETS, ELECTRIC FLAT IRONS, AND ELECTRIC VACUUM CLEANERS.
Claims use since 1914.

Ser. No. 474,770. SMALL MOTORS, INC., Chicago, Ill. Filed Sept. 30, 1944.

BANTAM

FOR ELECTRICALLY OPERATED MOTORS HAVING ATTACHMENTS FOR GRINDING, POLISHING, CARVING, OR DRILLING.
Claims use since May 10, 1941.

Ser. No. 474,841. MALCOLM R. WHITE, Nyack, N. Y. Filed Oct. 2, 1944.

PLASTICEL

FOR ELECTRICAL WIRES AND CABLES.
Claims use since February 1943.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 469,812. WALTER A. HARTWIG, doing business as Tots Toys, Milwaukee, Wis. Filed Apr. 29, 1944.

BINGO

FOR TOY HORSES.
Claims use since December 1941.

Ser. No. 474,630. HELEN K. HARTMAN, New York, N. Y. Filed Sept. 26, 1944.

"Hugables"

FOR DOLLS.
Claims use since Mar. 29, 1944.

Ser. No. 475,108. ACHILLES N. GEORGE, doing business as A. G. Products Co., Detroit, Mich. Filed Oct. 9, 1944.

"V-DAY"

FOR TOY GLIDERS AND AIRPLANES.
Claims use since Oct. 6, 1944.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 470,496. THE HEYWOOD COMPRESSOR COMPANY LIMITED, Redditch, Worcestershire, England. Filed May 22, 1944.

HYMATIC

FOR AIR COMPRESSORS AND AIR PUMPS.
Claims use since Apr. 19, 1943.

Ser. No. 472,668. THE FIJELEN RESEARCH AND DEVELOPMENT COMPANY, Washington, D. C. Filed July 27, 1944. Under the act of February 20, 1905, as amended June 10, 1938.

SIZZ-WEEDER

No claim is made to the word "Weeder" apart from the mark.
FOR NON-ELECTRIC MACHINES FOR SUPPRESSING OBNOXIOUS VEGETATION BY FLAME.
Claims use since Apr. 17, 1944.

Ser. No. 473,608. MANNING, MAXWELL & MOORE, INC., Muskegon, Mich. Filed Aug. 25, 1944.

'TUGIT'

FOR PULL CHAIN HOISTS.
Claims use since Mar. 27, 1943.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 473,554. FORREST P. ARMSTRONG, Atlanta, Ga. Filed Aug. 24, 1944.

GLIDER

FOR CLOTHES PRESSING MACHINES.
Claims use since October 1941.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 472,336. PHILLIP M. PAPPAS, doing business as Hydraulmatic Device Co., Houston, Tex. Filed July 17, 1944.

SANI-TIMER

No claim is made to the word "Timer" apart from the mark.
FOR BUILT-IN, OR ACCESSORY, AUTOMATIC FLOAT-BALL-AND-PISTON TIMERS FOR THE REGULATION OF DISH-WASHING MACHINE OPERATION.
Claims use since May 1944.

Ser. No. 474,849. FLANNERY BOLT COMPANY, Bridgeville, Pa. Filed Oct. 3, 1944.

ELECTELL

FOR APPARATUS FOR REVEALING DEFECTS IN METAL MEMBERS BY MEASURING THEIR ELECTRICAL RESISTANCE.
Claims use since Oct. 4, 1935.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 471,859. CARTIER, INC., New York, N. Y. Filed July 1, 1944. Under 10-year proviso.

Cartier

Applicant is the owner of Reg. No. 151,443 (renewed).
FOR WATCHES AND CLOCKS AND WRIST WATCHES WITH WRIST STRAPS AND BRACELETS ATTACHED FOR SECURING THE SAME ON THE WRIST OF THE WEARER, AND TRAVELING CLOCKS AND WATCHES WITH COVERS OF LEATHER, FABRIC AND THE LIKE FOR PROTECTING THEM WHILE TRAVELING.
Claims use since 1859.

CLASS 30

CROCKERY, EARTHENWARE, AND PORCELAIN

Ser. No. 471,874. JOSEPH BURGESS LENHART, Marietta, Ohio. Filed July 1, 1944.

TURNABOUT "THE FOUR-IN-ONE"

FOR FOOD CONTAINERS—NAMELY, CERAMIC COOKIE AND CANDY JARS.
Claims use since Aug. 3, 1943.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 469,068. LEE WEIL, doing business as Nu-Fil Products Co., Newark, N. J. Filed Apr. 5, 1944.

NU-FIL

FOR OIL FILTER CARTRIDGES.
Claims use since Mar. 1, 1944.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 471,275. NATIONAL MATTRESS COMPANY, Huntington, W. Va. Filed June 15, 1944.

Little Precious

FOR MATTRESSES AND PAD MATTRESSES.
Claims use since Apr. 20, 1944.

Ser. No. 471,276. NATIONAL MATTRESS COMPANY, Huntington, W. Va. Filed June 15, 1944.

Little Shaver

FOR MATTRESSES AND PAD MATTRESSES.
Claims use since Apr. 20, 1944.

Ser. No. 474,369. SALVATORE F. APICELLA, New York, N. Y. Filed Sept. 19, 1944.

Kurvelastic

FOR BED SPRINGS; BOX SPRINGS FOR BEDS; SPRING ASSEMBLED BOTTOMS FOR UPHOLSTERED FURNITURE; CHAIRS; AND SOFAS.
Claims use since October 1942.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 464,586. RAYBESTOS-MANHATTAN, INC., Passaic, N. J. Filed Nov. 1, 1943.

DYNA-MOLD

Applicant disclaims the word "Mold" apart from the mark.
FOR AIR HOSE.
Claims use since Sept. 9, 1943.

CLASS 37

PAPER AND STATIONERY

Ser. No. 463,958. SOUTHERN ADVANCE BAG & PAPER CO. INC., Bangor, Maine, and Boston, Mass. Filed Oct. 6, 1943.

STEER-BRAND



No claim is made to the word "Brand."
FOR BUTCHERS KRAFT WRAPPING PAPER.
Claims use since 1927.

Ser. No. 468,705. BRYANT PAPER COMPANY, Kalamazoo, Mich. Filed Mar. 27, 1944.

ROCKET

FOR PRINTING PAPER.
Claims use since Feb. 2, 1940.

Ser. No. 472,821. ROCKMONT ENVELOPE COMPANY, Denver, Colo. Filed Aug. 1, 1944.

Note-A-Day

The word "Note" is disclaimed apart from the mark as shown.
FOR PACKETS OF WRITING PAPER AND ENVELOPES.
Claims use since Aug. 30, 1942.

Ser. No. 472,824. ROCKMONT ENVELOPE COMPANY, Denver, Colo. Filed Aug. 1, 1944.

TRAV-L-NOTES

The word "Notes" is disclaimed apart from the mark.
FOR PACKETS OF WRITING PAPER AND ENVELOPES.
Claims use since Mar. 15, 1943.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 466,256. THE GENERAL COUNCIL OF COOPERATING BAPTIST MISSIONS OF NORTH AMERICA, Cleveland, Ohio. Filed Jan. 1, 1944.

MID-MISSIONS

No claim is made to the word "Missions" apart from the mark.
FOR PRINTED PUBLICATIONS DEVOTED GENERALLY TO RELIGIOUS SUBJECT MATTER AND NEWS ITEMS RELATED THERETO PUBLISHED AND DISTRIBUTED BY IT FROM TIME TO TIME.
Claims use since July 1926.

Ser. No. 467,287. EDITH M. BARTOW, New Canaan, Conn. Filed Feb. 9, 1944.

FUN! Swap-O! EXCHANGE PROFIT!

FOR NEWSPAPER COLUMN.
Claims use since Jan. 3, 1944.

Ser. No. 469,767. THE HEARST CORPORATION, New York, N. Y. Filed Apr. 28, 1944.

MUGGS AND SKEETER

FOR CARTOONS OR COMIC STRIPS.
Claims use since Apr. 27, 1936.

Ser. No. 471,608. IDEAL WALL HANGINGS CORPORATION, Chicago, Ill. Filed June 24, 1944.

Muros

FOR WALL DECORATIONS FORMED OF PAPER AND PROVIDED ON THE FRONT THEREOF WITH PICTORIAL ILLUSTRATIONS AND ON THE BACK WITH ADHESIVE.
Claims use since June 16, 1944.

Ser. No. 472,159. STREET & SMITH PUBLICATIONS, INC., New York, N. Y. Filed July 12, 1944.

C. A. C.

Communiqué

The word "Communique" is disclaimed apart from the mark.
FOR COLUMN IN A PERIODICAL PUBLISHED AT INTERVALS.
Claims use since Sept. 1, 1943.

Ser. No. 472,835. BILFRED ENTERPRISES, Los Angeles, Calif. Filed Aug. 2, 1944.

Goodmark

FOR BOOKS, CUT-OUT ILLUSTRATIONS IN THE NATURE OF SHEETS UPON WHICH ARE REPRODUCED FIGURES OR DESIGNS FOR THE PURPOSE OF PERMITTING SAME TO BE CUT OUT FOR MOUNTING IN SUITABLE FASHION, DECALCOMANIA REPRODUCTIONS IN THE NATURE OF LITHOGRAPHED, PRINTED, OR DECALCOMANIA FIGURES OR DESIGNS FOR DECORATIVE PURPOSES, POST-CARDS.
Claims use since June 26, 1944.

Ser. No. 473,883. THE ELECTRIC CONTROLLER & MANUFACTURING COMPANY, Cleveland, Ohio. Filed Sept. 4, 1944.

Accelerator

FOR PUBLICATION IN THE NATURE OF A HOUSE ORGAN ISSUED PERIODICALLY.
Claims use since Aug. 23, 1944.

Ser. No. 474,669. JOHNSTONE AND CUSHING, New York, N. Y. Filed Sept. 27, 1944.

The Doings of the Dumptys

FOR SERIES OF CARTOONS OR COMIC STRIPS.
Claims use since July 27, 1944.

Ser. No. 474,987. EVERETT M. ARNOLD, Old Greenwich, Conn. Filed Oct. 6, 1944.

CANDY

FOR COMIC STRIP, PUBLISHED PERIODICALLY, IN VARIOUS NEWSPAPERS.
Claims use since Oct. 2, 1944.

Ser. No. 475,181. AMERICAN INTERNATIONAL PUBLICATIONS, INC., New York, N. Y. Filed Oct. 11, 1944.

PAN

FOR PERIODICAL.
Claims use since Sept. 29, 1944.

Ser. No. 475,195. THE F-R PUBLISHING CORPORATION, New York, N. Y. Filed Oct. 11, 1944.

NON-SEQUITUR DEPARTMENT

The word "Department" is disclaimed apart from the mark.
FOR MAGAZINE COLUMN.
Claims use since Mar. 10, 1934.

Ser. No. 475,201. THE F-R PUBLISHING CORPORATION, New York, N. Y. Filed Oct. 11, 1944.

THIS IS WAR

FOR MAGAZINE COLUMN.
Claims use since Mar. 21, 1942.

CLASS 39

CLOTHING

Ser. No. 460,222. AL STEIN, Baltimore, Md. Filed Apr. 27, 1943.



Applicant disclaims the wording "Styled by Al Stein" except as shown.

FOR MEN'S AND WOMEN'S SLACKS, LEISURE COATS, SPORT COATS, OUTDOOR JACKETS, SUITS, TOP COATS, OVERCOATS, TUXEDO SUITS, FULL DRESS SUITS, HATS, OUTER SHIRTS, PAJAMAS, AND UNDERWEAR.

Claims use since Apr. 5, 1938.

Ser. No. 464,130. ELEANOR DRESS CO. INC., Baltimore, Md. Filed Oct. 14, 1943.

DEFENSERETTE

FOR WOMEN'S AND GIRLS' SUITS, SLACKS, BLOUSES, HATS, CAPS, AND BANDEAUX IN THE NATURE OF BRASSIÈRES.

Claims use since Dec. 10, 1942.

Ser. No. 466,914. IMPERIAL HOSIERY CO., Pittsburgh, Pa. Filed Jan. 27, 1944.

TEXTRA

FOR MEN'S, WOMEN'S, AND CHILDREN'S HOSIERY, BATHING SUITS, LADIES', MISSES', AND CHILDREN'S COATS, SUITS, AND RAINCOATS.

Claims use since Nov. 22, 1943.

Ser. No. 467,044. NANTEX MANUFACTURING CO., New York, N. Y. Filed Jan. 31, 1944.



STRONGBILT

The representation of a man is fanciful. The word "Strongbilt" is disclaimed apart from the mark.

FOR MEN'S UNDERWEAR.

Claims use since 1919.

Ser. No. 468,312. VALENTINA GOWNS, INC., New York, N. Y. Filed Mar. 14, 1944.

Valentina

FOR WOMEN'S NIGHTGOWNS, GOWNS IN THE NATURE OF DRESSES, SUITS, COATS, DRESSES, BLOUSES, BATHING SUITS, GARMENT BELTS, GLOVES OF LEATHER, FABRIC AND COMBINATIONS THEREOF, AND HATS.

Claims use since February 1928.

Ser. No. 468,958. A. B. FRANK CO., doing business as Carl Pool Mfg. Co., San Antonio, Tex. Filed Apr. 3, 1944.

SAFTI-FLIGHT

The word "Safti" is disclaimed apart from the mark.

FOR MEN'S AND BOYS' DRESS AND WORK SHIRTS, SLACK SUITS, PANTS, COATS, JACKETS, SWEATERS AND UNDERWEAR.

Claims use since Jan. 31, 1944.

Ser. No. 470,681. OLIVER F. SCHMIDT, doing business as Great Lakes Shoe Co., Oconto, Wis. Filed May 26, 1944.

MADE BETTER
Smit-Ezl
WEAR BETTER

No claim is made to the words "Smit" and "Made Better Wear Better" apart from the mark.

FOR INFANTS' AND CHILDREN'S SHOES MADE OF LEATHER AND FABRIC.

Claims use since October 1942.

Ser. No. 471,179. BEAU BRUMMELL TIES, INC., Cincinnati, Ohio. Filed June 13, 1944.



The figure of the man is fanciful.

FOR NECKTIES.

Claims use since June 8, 1933.

Ser. No. 471,509. A. J. BEFORD SHOE, INC., Lititz, Pa. Filed June 22, 1944.



FOR CHILDREN'S AND INFANTS' SHOES, MADE OF LEATHER, FABRIC AND/OR COMBINATIONS THEREOF.

Claims use since January 1944.

Ser. No. 471,552. EBY SHOE CORPORATION, Ephrata, Pa. Filed June 23, 1944.

Dutch Walkers

No claim is made to the word "Dutch" apart from the mark.

FOR BOOTS AND SHOES OF LEATHER, RUBBER, FABRIC, AND COMBINATIONS THEREOF.

Claims use since Apr. 19, 1944.

Ser. No. 473,889. I. A. HESSEL, St. Louis, Mo. Filed Sept. 4, 1944.

Fanees

FOR WOMEN'S, CHILDREN'S, AND MISSES' UNDERWEAR.

Claims use since Aug. 23, 1944.

Ser. No. 474,034. KATZ AND BOTHMAN, Los Angeles, Calif. Filed Sept. 9, 1944.

California Traveler

The word "California" is disclaimed apart from the mark.

FOR WOMEN'S, MISSES', AND JUNIORS' COATS AND SUITS.

Claims use since April 1939.

Ser. No. 474,490. THE MARLAN COMPANY, Philadelphia, Pa. Filed Sept. 22, 1944.



FOR CHILDREN'S PLAYSUITS, DRESS SUITS, DRESS SHIRTS, SPORT SHIRTS, JACKETS, PANTS, OVERALLS, JODHPURS, RAINCOATS, AND RAINCAPES AND HOODS.

Claims use since March 1944.

Ser. No. 474,580. JOSEPH H. COHEN & SONS, VANITY CLOTHES, INC., New York, N. Y. Filed Sept. 25, 1944.

SLACKAJACK

FOR MEN'S CLOTHING—NAMELY, SUITS AND TROUSERS.

Claims use since Aug. 31, 1944.

Ser. No. 474,612. S. WEITZ & CO., INC., Cleveland, Ohio. Filed Sept. 25, 1944.

DUNROCK

FOR OVERCOATS AND TOPCOATS FOR MEN AND WOMEN.

Claims use since Sept. 1, 1939.

Ser. No. 474,692. CREST FROCKS, INC., New York, N. Y. Filed Sept. 28, 1944.

BARRIET

FOR WOMEN'S, MISSES', JUNIORS', AND CHILDREN'S HOUSECOATS, DRESSES, AND BLOUSES.

Claims use since Apr. 10, 1944.

Ser. No. 474,703. MELERY FROCKS, New York, N. Y. Filed Sept. 28, 1944.

Melery

FOR WOMEN'S, MISSES', JUNIORS', AND CHILDREN'S HOUSECOATS, DRESSES, AND BLOUSES.
Claims use since Apr. 10, 1944.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 468,759. METROPOLITAN NEEDLECRAFT COMPANY, New York, N. Y. Filed Mar. 28, 1944.



The word "Tone" is disclaimed except as shown.
FOR BROCADED MEDALLIONS IN THE NATURE OF APPLIQUE TRIMMINGS FOR GARMENTS AND DRAPERY.
Claims use since Mar. 1, 1944.

Ser. No. 474,379. HERO MFG. CO., INC., Middleboro, Mass. Filed Sept. 19, 1944.



The word "Standard" and the representation of the two knitting needles are disclaimed apart from the mark.
FOR KNITTING NEEDLES, KNITTING PINS, AND CROCHET HOOKS FOR HAND USE.
Claims use since December 1942.

Ser. No. 474,583. COWEN BROS., New York, N. Y. Filed Sept. 25, 1944.

RANCHERO

FOR WRIST WATCH STRAPS MADE OF LEATHER OR FABRIC.
Claims use since Mar. 11, 1944.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 455,879. AMOSKEAG-LAWRENCE MILLS, INC., Manchester, N. H. Filed Oct. 1, 1942.

CORALAN

FOR PIECE GOODS MADE OF COTTON, RAYON, SYNTHETIC FIBERS AND MIXTURES THEREOF.
Claims use since Feb. 20, 1942.

Ser. No. 472,194. FITZPATRICK WOOLEN CO. INC., New York, N. Y. Filed July 13, 1944.



The wording on the drawing is "Four Province Woolens." No claim is made to the word "Woolens" apart from the mark.
FOR WOOLEN PIECE GOODS.
Claims use since June 1943.

Ser. No. 473,009. AMERICAN WOOLEN COMPANY, New York, N. Y. Filed Aug. 7, 1944.

Fairydown

FOR BLANKETS COMPOSED WHOLLY OR IN PART OF WOOL.
Claims use since July 24, 1944.

Ser. No. 474,622. CREST FABRICS CORP., New York, N. Y. Filed Sept. 26, 1944.

HI-CREST

FOR TEXTILE FABRICS IN THE PIECE OF COTTON, SPUN RAYON, PROTEIN FIBRES, AND COMBINATIONS THEREOF.
Claims use since Jan. 3, 1944.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 468,511. THE WILLIAM GETZ COMPANY, Chicago, Ill. Filed Mar. 22, 1944.

GETZ-400

No claim is made to the name "Getz" except in conjunction with the number "400."
FOR ACRYLIC DENTURE POWDER, ACRYLIC DENTURE LIQUID, AND DENTURE LINER COMPOSITIONS.
Claims use since October 1942.

Ser. No. 470,612. THE KENDALL COMPANY, Walpole, Mass. Filed May 25, 1944.

PAR

FOR ATHLETIC SUPPORTERS.
Claims use since December 1916.

Ser. No. 472,767. THE L. D. CAULK COMPANY, Milford, Del. Filed July 31, 1944.

THYMOZIN

FOR PREPARATION FOR INSERTION IN DENTAL CAVITIES TO FORM A CAP OVER DENTAL PULP AND NERVES AND PROTECT THE SAME AGAINST BACTERIAL OR CHEMICAL IRRITATION, THERMAL SHOCK, AND PRESSURE.
Claims use since July 13, 1923.

Ser. No. 473,366. JOHN B. FLAHERTY COMPANY, INC., New York, N. Y. Filed Aug. 17, 1944.

"Bub"
Duribilknit

The word "Duribilknit" is disclaimed apart from the mark.
FOR ATHLETIC SUPPORTERS AND SUSPENSORIES.
Claims use since March 1939.

Ser. No. 473,929. GORDON ARMSTRONG, doing business as The Gordon Armstrong Company, Cleveland, Ohio. Filed Sept. 7, 1944.

X-4

FOR PORTABLE BABY INCUBATORS AND APPARATUS DESIGNED TO SUPPLY CONSTANT, AUTOMATICALLY CONTROLLED HEAT AND INCREASED HUMIDITY FOR BOTH PREMATURE AND FULL TERM BABIES, FOR THE ADMINISTRATION OF OXYGEN TO EITHER PREMATURE OR FULL TERM BABIES, AS AN AMBULANCE FOR THE TRANSPORTATION OF BABIES, FOR THE ADMINISTRATION OF OXYGEN AT A HIGH HUMIDITY, AS A PORTABLE INCUBATOR FOR USE IN REMOTE AREAS WHERE HOSPITALIZATION IS IMPRACTICAL, AND FOR THE INCUBATION OF A FULL TERM BABY IN SHOCK.
Claims use since Aug. 18, 1944.

Ser. No. 475,000. ELISCU & COMPANY, New York, N. Y. Filed Oct. 6, 1944.



FOR TEETHERS, TEETHING RINGS, AND TEETHING NECKLACES.
Claims use since Feb. 11, 1944.

Ser. No. 475,247. CORALITE DENTAL PRODUCTS COMPANY, Chicago, Ill. Filed Oct. 12, 1944.

CORALENE

FOR DENTAL MATERIALS USED TO REBASE, LINE, RELINE, OR CORRECT FULL AND PARTIAL ARTIFICIAL DENTURES.
Claims use since Mar. 10, 1938.

Ser. No. 475,471. VERITAS PRODUCTS COMPANY, INC., New York, N. Y. Filed Oct. 18, 1944.

VEP

FOR VAGINAL DIAPHRAGMS.
Claims use since Sept. 15, 1944.

CLASS 45

BEVERAGES, NONALCOHOLIC

Ser. No. 470,208. NEIL'S FRUIT PRODUCTS CO., Los Angeles, Calif. Filed May 12, 1944.

TASTEASE

FOR NON-ALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND FOUNTAIN EXTRACTS AND EXTRACTS AND CONCENTRATES FOR MAKING THE SAME.
Claims use since Apr. 27, 1944.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 469,470. HOMIX PRODUCTS, INC., New York, N. Y. Filed Apr. 19, 1944.



The drawing is lined for red.
FOR ICE CREAM MIX SOLD IN DEHYDRATED FORM.
Claims use since Apr. 14, 1944.

Ser. No. 469,580. HERBERT M. TRAFTON, Lindsay, Calif. Filed Apr. 22, 1944.

FREMONT TRAIL

No claim is made to the name "Fremont" apart from the mark.
FOR PREPARED OLIVE PRODUCTS — NAMELY, OLIVE OIL.
Claims use since Jan. 26, 1944.

Ser. No. 471,437. MILTON WELLENS, doing business as Milton Wellens Co., Los Angeles, Calif. Filed June 19, 1944.

RE-LI-ON

FOR FRESH VEGETABLES AND FRESH DECIDUOUS FRUITS.
Claims use since June 6, 1944.

Ser. No. 472,616. E. F. GIBERSON, Brentwood, Calif. Filed July 25, 1944.

Brentwood Gems

No claim is made to the name "Brentwood" apart from the mark.
FOR FRESH DECIDUOUS FRUITS—NAMELY, FRESH APRICOTS.
Claims use since June 9, 1944.

Ser. No. 473,431. F. H. SEARCY, doing business as Rose City Foods, Thomasville, Ga. Filed Aug. 18, 1944.



ROSE KIST

FOR PEANUT BUTTER.
Claims use since July 25, 1944.

Ser. No. 473,732. FLORASYNTH LABORATORIES, INCORPORATED, New York, N. Y. Filed Aug. 30, 1944.

PLANTAROME

FOR FLAVORINGS USED IN FOODS AND FOR FOOD PURPOSES.
Claims use since September 1943.

Ser. No. 474,269. THE CENTRAL DAIRY PRODUCTS COMPANY, Oklahoma City, Okla. Filed Sept. 16, 1944.

Certi-Chix

No claim is made to the word "Chix" apart from the mark.
FOR DRESSED, DRAWN, AND CUT-UP PORTIONS OF POULTRY AND BARBECUED CHICKENS.
Claims use since July 13, 1944.

Ser. No. 474,482. HENRY F. DAUM, Los Angeles, Calif. Filed Sept. 22, 1944.

STRAT FREEZ

The suffix "Freez" is not claimed except in association with the rest of the mark.
FOR PACKAGED FROZEN FOOD PRODUCTS—NAMELY, APPLE SAUCE, GREEN PEAS, SHRIMP, CHILI CON CARNE, CORNED BEEF HASH, AND PURE PORK SAUSAGE.
Claims use since Aug. 30, 1944.

Ser. No. 475,150. IRA E. HOWELL, Yuma, Ariz. Filed Oct. 10, 1944.

YUMAZONA

FOR FRESH CITRUS FRUIT, FRESH VEGETABLES AND FRESH CANTALOUPES.
Claims use since Sept. 29, 1944.

Ser. No. 475,175. VALLEY GROWERS & PACKERS, Guadalupe, Calif. Filed Oct. 10, 1944. Under the act of February 20, 1905, as amended June 10, 1938.

BULLDOZER

FOR FRESH VEGETABLES.
Claims use since Sept. 6, 1944.

Ser. No. 475,176. VALLEY GROWERS & PACKERS, Guadalupe, Calif. Filed Oct. 10, 1944. Under the act of February 20, 1905, as amended June 10, 1938.

STAUNCH

FOR FRESH VEGETABLES.
Claims use since Sept. 20, 1944.

Ser. No. 475,177. VALLEY GROWERS & PACKERS, Guadalupe, Calif. Filed Oct. 10, 1944. Under the act of February 20, 1905, as amended June 10, 1938.

TORNADO

FOR FRESH VEGETABLES.
Claims use since Sept. 9, 1944.

CLASS 47

WINES

Ser. No. 470,090. VINTAGE WINES, INC., New York. N. Y. Filed May 9, 1944.

Bistro

FOR VERMOUTH AND OTHER WINES.
Claims use since May 31, 1941.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 458,187. DESTILERIA ALZOLA, S. A., Cardenas, Cuba. Filed Jan. 27, 1943.



FOR RUM, WHISKEY, AND BRANDY.
Claims use since Sept. 3, 1942.

Ser. No. 464,386. ADRIANO RAMOS PINTO & IRMAO, LIMITADA, Oporto, Portugal. Filed Oct. 25, 1943.



The name "Adriano Ramos Pinto" is a facsimile signature.
FOR BRANDY.
Claims use since 1940.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

DECEMBER 5, 1944

410,550. PLASTIC COMPOSITION KNOBS, HANDLES, PULLS, AND PUSH PLATES FOR LIDS, DOORS, DRAWERS, AND GENERAL USE. CARL E. GUNKLACH, doing business as The Dayton Insulating Molding Company, Dayton, Ohio.
Filed July 24, 1942. Serial No. 454,476. PUBLISHED SEPTEMBER 26, 1944. Class 13.

410,551. AGRICULTURAL LIME, AGRICULTURAL GYPSUM AND AGRICULTURAL LIMESTONE. UNITED STATES GYPSUM COMPANY, Chicago, Ill.
Filed November 23, 1942. Serial No. 456,995. PUBLISHED SEPTEMBER 26, 1944. Class 10.

410,552. TOOTHACHE MEDICINE. RED CROSS CHEMICAL WORKS, Chicago, Ill.
Filed December 9, 1942. Serial No. 457,301. PUBLISHED FEBRUARY 29, 1944. Class 6.

410,553. OIL COMPOSITION FOR THE PRESERVATION AND LUBRICATION OF FIREARMS, FIREARM PARTS AND FIREARM ACCESSORIES. ALOX CORPORATION, Niagara Falls, N. Y.
Filed April 24, 1943. Serial No. 460,132. PUBLISHED SEPTEMBER 26, 1944. Class 15.

410,554. LIQUID COMPOSITION IN THE NATURE OF AN OIL FOR THE LUBRICATION OF, AND RUST PREVENTION ON, FIREARMS, FIREARM PARTS AND FIREARM ACCESSORIES. ALOX CORPORATION, Niagara Falls, N. Y.
Filed April 24, 1943. Serial No. 460,133. PUBLISHED SEPTEMBER 26, 1944. Class 15.

410,555. CARBON PAPER, TYPEWRITER RIBBONS AND TRANSFER TAPES AND INKING MATERIALS FOR COATING THE SAME. CONTINENTAL LITHOGRAPH CORPORATION, Cleveland, Ohio.
Filed May 8, 1943. Serial No. 460,495. PUBLISHED SEPTEMBER 26, 1944. Class 11.

410,556. CAR WHEELS. AMERICAN BRAKE SHOE COMPANY, New York, N. Y.
Filed June 7, 1943. Serial No. 461,185. PUBLISHED SEPTEMBER 19, 1944. Class 19.

410,557. PEN POINTS OF PRECIOUS METAL. THE PARKER PEN COMPANY, Janesville, Wis.
Filed July 5, 1943. Serial No. 461,875. PUBLISHED SEPTEMBER 26, 1944. Class 28.

410,558. NICKEL AND NICKEL-COPPER ALLOY STAYBOLTS. THE INTERNATIONAL NICKEL COMPANY, INC., New York, N. Y.
Filed July 10, 1943. Serial No. 461,981. PUBLISHED SEPTEMBER 19, 1944. Class 13.

410,559. BATH SALTS. ROBERT H. CLARK, doing business as Bath-A-Shay Distributors, Los Angeles, Calif.
Filed July 23, 1943. Serial No. 462,247. PUBLISHED SEPTEMBER 19, 1944. Class 6.

410,560. LIVING ROOM FURNITURE—NAMELY, BENCHES, CHAIRS AND SETTEES, TABLES, BOOKCASES, AND DINETTE TABLES AND CHAIRS. THE JOHN A. DUNN CORPORATION, Gardner, Mass.
Filed August 21, 1943. Serial No. 462,912. PUBLISHED SEPTEMBER 26, 1944. Class 32.

410,561. CERAMIC TABLE, COOKING AND BAR WARE, VASES, JARDINIERES, CANDY BOXES, JARS, JUGS, FLOWER POTS, CUSPIDORS, COMBINETTES, CHAMBERS, AND CHURNS. JABESON CHINA CO., INC., New York, N. Y.
Filed September 29, 1943. Serial No. 463,755. PUBLISHED SEPTEMBER 26, 1944. Class 30.

410,562. SHAMPOO FOR USE ON PETS. H. KENT SEANEY, doing business as Kent Laboratories. Highland Park, Ill.
Filed October 4, 1943. Serial No. 463,872. PUBLISHED SEPTEMBER 19, 1944. Class 6.

410,563. REFRIGERATOR STORAGE LOCKERS. REFRIGERATION CORPORATION OF AMERICA, New York, N. Y.
Filed November 1, 1943. Serial No. 464,588. PUBLISHED SEPTEMBER 26, 1944. Class 31.

410,564. PULSATION DAMPENING VALVES. JULIAN A. CAMPBELL, doing business as J. A. Campbell Company, Long Beach, Calif.
Filed November 15, 1943. Serial No. 464,989. PUBLISHED SEPTEMBER 26, 1944. Class 13.

410,565. COMBS. UNITED CIGAR-WHALEN STORES CORPORATION, New York, N. Y.
Filed November 17, 1943. Serial No. 465,090. PUBLISHED SEPTEMBER 19, 1944. Class 40.

410,566. PREPARATION IN POWDER FORM WITHIN CAPSULES FOR THE TREATMENT OF PAINS DUE TO HEADACHE, NEURALGIA, TOOTHACHE, EARACHE, RHEUMATISM, ETC. MICHAEL G. STROZZI, doing business as Usoform Laboratories, Buffalo, N. Y.
Filed November 19, 1943. Serial No. 465,156. PUBLISHED SEPTEMBER 19, 1944. Class 6.

410,567. LAUNDRY WASHING MACHINES. BIRTMAN ELECTRIC COMPANY, Chicago, Ill.
Filed December 18, 1943. Serial No. 465,862. PUBLISHED SEPTEMBER 26, 1944. Class 24.

410,568. SHAVING CREAM. SAMUEL ALBERT, New York, N. Y.
Filed December 20, 1943. Serial No. 465,885. PUBLISHED JUNE 13, 1944. Class 4.

410,569. LABORATORY EQUIPMENT AND SUPPLIES—NAMELY, ACID CARBOYS, AIR METERS, AIR PUMPS, ALKALI METERS, ANNEALING CUPS, ETC. E. H. SARGENT & CO., Chicago, Ill.
Filed December 23, 1943. Serial No. 466,024. PUBLISHED SEPTEMBER 26, 1944. Class 26.

410,570. CANDIES. MELVIN S. ACKLES, doing business as Vitamin Candies, Ltd., Clinton, Iowa.
Filed December 28, 1943. Serial No. 466,115. PUBLISHED SEPTEMBER 26, 1944. Class 46.

410,571. BOTTOM WELDING FLUX BINDER. WILLIS E. STONE, doing business as Stone's Process Laboratories, Van Nuys, Calif.
Filed January 3, 1944. Serial No. 466,296. PUBLISHED SEPTEMBER 19, 1944. Class 6.

410,572. LEATHER GOODS AND IMITATION LEATHER GOODS—NAMELY, WALLETS, BRIEF CASES, TRAVELING BAGS, TRAVELING CASES, TRAVELING TRUNKS, AND AIRPLANE SUITCASES, HANDBAGS, HAT BOXES, AND POCKETBOOKS. RELIABLE PRODUCTS CO., New York, N. Y.
Filed January 11, 1944. Serial No. 466,489. PUBLISHED SEPTEMBER 26, 1944. Class 3.

410,573. FUEL STOKERS. THE STANDARD STOKER COMPANY, INC., New York, N. Y.
Filed January 24, 1944. Serial No. 466,851. PUBLISHED MAY 2, 1944. Class 34.

410,574. OILS, PROCESSED OILS, SYNTHETIC OILS, RESINS, SYNTHETIC RESINS, PROCESSED NATURAL RESINS, AND RESIN SOLUTIONS FOR USE IN PAINTS, VARNISHES, LACQUERS AND COATINGS GENERALLY. REICHHOLD CHEMICALS, INC., Detroit, Mich.
Filed February 3, 1944. Serial No. 467,137. PUBLISHED SEPTEMBER 26, 1944. Class 16.

410,575. PICK-UP AND TOWING AIRCRAFT AND PICK-UP UNITS INTENDED FOR PICKING UP MAIL POUCHES AND OTHER ARTICLES INCLUDING GLIDERS BY MEANS OF AIRCRAFT IN FLIGHT, ETC. ALL AMERICAN AVIATION, INC., Wilmington, Del.
Filed February 7, 1944. Serial No. 467,224. PUBLISHED SEPTEMBER 19, 1944. Class 19.

410,576. GLASS ASH TRAYS, HUMIDORS AND CIGARETTE BOXES, TRAYS AND JARS. NEW MARTINSVILLE GLASS COMPANY, New Martinsville, W. Va., now by change of name Viking Glass Company.
Filed February 11, 1944. Serial No. 467,352. PUBLISHED SEPTEMBER 12, 1944. Class 8.

410,577. BABY FURNITURE—NAMELY, CHAIRS, TABLES AND HIGH CHAIRS. MELVIN EARL MELVYN, Los Angeles, Calif.
Filed February 16, 1944. Serial No. 467,459. PUBLISHED SEPTEMBER 26, 1944. Class 32.

410,578. CONCRETE FORM TIES, SOFFIT HANGERS AND SCREED SUPPORTS. C. P. CONCRETE EQUIPMENT CO., Los Angeles, Calif.
Filed March 14, 1944. Serial No. 468,279. PUBLISHED SEPTEMBER 26, 1944. Class 12.

410,579. LADIES' HAND BAGS AND TRAVELING BAGS, PURSES, BRIEF CASES, AND SUIT CASES. ALLIED MANUFACTURING AND TRADING COMPANY, Pittsburgh, Pa.
Filed March 6, 1944. Serial No. 467,993. PUBLISHED SEPTEMBER 26, 1944. Class 3.

410,580. CLOSURES COMPRISING SHEETS OF FLEXIBLE MATERIAL SECURED BY MEANS OF A COLLAR ELEMENT ENCIRCLING THE CONTAINER FOR BOTTLES, GLASSES, JARS, AND OPEN CONTAINERS. GEORGE I. BUTLER, New York, N. Y.
Filed March 16, 1944. Serial No. 468,337. PUBLISHED SEPTEMBER 26, 1944. Class 50.

410,581. SWINE FOR BREEDING PURPOSES. GOLDEN BULL FARMS, McHenry, Ill.
Filed March 22, 1944. Serial No. 468,512. PUBLISHED SEPTEMBER 26, 1944. Class 1.

410,582. DESKS. PLAYCRAFT PRODUCTS CO., Portland, Oreg.
Filed April 3, 1944. Serial No. 468,968. PUBLISHED SEPTEMBER 26, 1944. Class 32.

410,583. FEEDS FOR LIVESTOCK AND POULTRY—NAMELY, HOG CONCENTRATE, STEER CONCENTRATE, EGG MASH, SCRATCH FEED, COMBINED STARTING-GROWING MASH, AND POULTRY CONCENTRATE. HENRY VAN HERZEELE, doing business as Atkinson Feed Mill, Atkinson, Ill.
Filed April 5, 1944. Serial No. 469,067. PUBLISHED SEPTEMBER 26, 1944. Class 46.

410,584. FERROUS AND NON-FERROUS WELDING RODS, COILS OF AUTOMATIC WELDING ELECTRODES, AND FERROUS AND NON-FERROUS GAS WELDING WIRE. REID-AVERY COMPANY, Baltimore, Md.
Filed April 20, 1944. Serial No. 469,512. PUBLISHED SEPTEMBER 26, 1944. Class 14.

410,585. INDUSTRIAL SAFETY GOGGLES. WATCHEMOKET OPTICAL CO. INC., Providence, R. I.
Filed April 20, 1944. Serial No. 469,525. PUBLISHED SEPTEMBER 26, 1944. Class 26.

410,586. PROPELLERS, PROPELLER HUBS, AND PROPELLER ASSEMBLIES. KOPPERS COMPANY, doing business as Bartlett Hayward Division, Baltimore, Md.
Filed April 22, 1944. Serial No. 469,569. PUBLISHED SEPTEMBER 19, 1944. Class 19.

410,587. CANDY AND A MACERATED FRUIT CONFECTION IN THE NATURE OF CANDY. HELEN LAWSON, doing business as Servis Pak Co., Los Angeles, Calif.
Filed May 3, 1944. Serial No. 469,902. PUBLISHED SEPTEMBER 26, 1944. Class 46.

410,588. ALKALINE WASHING POWDERS, METAL CLEANERS, TILE CLEANERS, AND FLUID SOAPS FOR DRY CLEANING AND WET CLEANING. THE PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa.
Filed May 4, 1944. Serial No. 469,939. PUBLISHED SEPTEMBER 26, 1944. Class 4.

410,589. GYPSUM PLASTER. UNITED STATES GYPSUM COMPANY, Chicago, Ill.
Filed May 8, 1944. Serial No. 470,050. PUBLISHED SEPTEMBER 26, 1944. Class 12.

410,590. TOILET WATERS AND PERFUMES. NISSY, New York, N. Y.
Filed May 9, 1944. Serial No. 470,085. PUBLISHED SEPTEMBER 19, 1944. Class 6.

410,591. TOY BLOCKS. B. C. TIMMERMAN, doing business as Timmerman Manufacturing Co., Hibbing, Minn.
Filed May 18, 1944. Serial No. 470,396. PUBLISHED SEPTEMBER 26, 1944. Class 22.

410,592. AUTOMOBILES AND STRUCTURAL PARTS THEREOF. WILLYS-OVERLAND MOTORS, INC., Toledo, Ohio.
Filed May 18, 1944. Serial No. 470,399. PUBLISHED SEPTEMBER 26, 1944. Class 19.

410,593. SULFATHIAZOLE SUSPENSION FOR TOPICAL USE. SPECIFIC PHARMACEUTICALS, INC., New York, N. Y.
Filed May 19, 1944. Serial No. 470,427. PUBLISHED SEPTEMBER 19, 1944. Class 6.

410,594. LIQUID MAKE-UP. CARL A. FUTTER, doing business as Carlene's, Chicago, Ill.
Filed May 20, 1944. Serial No. 470,444. PUBLISHED SEPTEMBER 19, 1944. Class 6.

410,595. MERCHANDISE ENVELOPES FORMED OF METAL FOIL WITH OR WITHOUT A COATING OF "CELLOPHANE," "PLIOFILM," OR THE LIKE, AND WITH OR WITHOUT PAPER COVERS. IVERS-LEE COMPANY, Newark, N. J.
Filed May 20, 1944. Serial No. 470,454. PUBLISHED JULY 11, 1944. Class 2.

410,596. PHARMACEUTICAL PREPARATIONS AND PARTICULARLY ALKALOIDS—NAMELY, ATROPINE, DIGITALIN EMETINE COCAINE, CAFFEINE, SPARTEIN, ETC. MANN FINE CHEMICALS INCORPORATED, Woodside, Long Island, N. Y.
Filed May 24, 1944. Serial No. 470,577. PUBLISHED SEPTEMBER 19, 1944. Class 6.

410,597. HIGH DENSITY RESIN-IMPREGNATED PLYWOOD. PLUSWOOD INCORPORATED, Oshkosh, Wis.
Filed May 24, 1944. Serial No. 470,582. PUBLISHED SEPTEMBER 26, 1944. Class 12.

410,598. LAWN, GRASS, VEGETABLE, AND FLOWER SEEDS. D. LANDRETH SEED COMPANY, Bristol, Pa.
Filed May 25, 1944. Serial No. 470,614. PUBLISHED SEPTEMBER 26, 1944. Class 1.

410,599. MATERIAL IN LOOSE, DRY FORM WHICH, WITH THE ADDITION OF WATER, MAKES A CEMENTITIOUS GROUT APPLICABLE TO CONCRETE AND MASONRY SURFACES FOR PROTECTION AND WATERPROOFING THEREOF AGAINST ACIDS, SALTS AND VARIOUS DETRIMENTAL ATMOSPHERIC CONDITIONS. KEDMONT MANUFACTURING & WATERPROOFING CO., Chicago, Ill.
Filed May 29, 1944. Serial No. 470,770. PUBLISHED SEPTEMBER 26, 1944. Class 12.

410,600. CHEMICAL TONING SOLUTIONS USED IN THE DEVELOPMENT OF PHOTOGRAPHS. GRANT PHOTO PRODUCTS, INC., New York, N. Y.
Filed June 7, 1944. Serial No. 470,971. PUBLISHED SEPTEMBER 19, 1944. Class 6.

410,601. FRESH DECIDUOUS FRUITS—NAMELY, FRESH APRICOTS. RICHEY & GILBERT COMPANY, Yakima, Wash.
Filed June 7, 1944. Serial No. 470,999. PUBLISHED SEPTEMBER 26, 1944. Class 46.

410,602. CHEMICAL PREPARATION USED TO PREVENT THE GROWTH OF FUNGI AND BACTERIA IN THE TREATMENT OF OILS, GREASES, WAXES, ETC. THE BALTIMORE ENGINEERING & CHEMICAL CO., Baltimore, Md.
Filed June 9, 1944. Serial No. 471,064. PUBLISHED SEPTEMBER 19, 1944. Class 6.

410,603. PREPARATION COMPRISING AN ABSORBENT POWDERED MATERIAL RESEMBLING FULLER'S EARTH ADAPTED TO REMOVE OIL AND GREASE FROM FLOORS BY ABSORPTION AND TO PREVENT SLIPPING. GRAY COMPANY, INC., Minneapolis, Minn.
Filed June 9, 1944. Serial No. 471,081. PUBLISHED SEPTEMBER 26, 1944. Class 4.

410,604. COSMETIC OIL PREPARATION USED AS A SKIN OINTMENT. EVELYN M. HOUGE, Beverly Hills, Calif.
Filed June 9, 1944. Serial No. 471,084. PUBLISHED SEPTEMBER 19, 1944. Class 6.

410,605. PREPARATION IN DRIED, LIQUID, OR SOLID FORM, FOR THE TREATMENT OF WORMS IN POULTRY AND ANIMALS. C. J. MARTIN & SONS, Austin, Tex.
Filed June 9, 1944. Serial No. 471,092. PUBLISHED SEPTEMBER 19, 1944. Class 6.

410,606. MEDICATED SALVE. MORTON MANUFACTURING CORPORATION, doing business as Blair of Virginia, Lynchburg, Va.
Filed June 9, 1944. Serial No. 471,096. PUBLISHED SEPTEMBER 19, 1944. Class 6.

410,607. WALLETS AND BILLFOLDS. PIONEER SUSPENDER COMPANY, Philadelphia, Pa.
Filed June 10, 1944. Serial No. 471,132. PUBLISHED SEPTEMBER 26, 1944. Class 3.

410,608. DETERGENTS CONTAINING ANTIBACTERIAL SUBSTANCES SUCH DETERGENTS POSSESSING BOTH CLEANSING AND ANTISEPTIC PROPERTIES. E. R. SQUIBB & SONS, New York, N. Y.
Filed June 10, 1944. Serial No. 471,139. PUBLISHED SEPTEMBER 26, 1944. Class 4.

410,609. CHEMICAL PREPARATION USED FOR OPENING DRAIN PIPES. BRAY CHEMICAL CO., Chicago, Ill.
Filed June 12, 1944. Serial No. 471,143. PUBLISHED SEPTEMBER 19, 1944. Class 6.

410,610. ASPIRIN TABLETS. EUGENE POWERS, Chicago, Ill.
Filed June 12, 1944. Serial No. 471,167. PUBLISHED SEPTEMBER 19, 1944. Class 6.

410,611. TOBACCO PIPES OF WOOD. ROPP PIPES, LIMITED, London, England.
Filed June 15, 1944. Serial No. 471,284. PUBLISHED SEPTEMBER 26, 1944. Class 8.

410,612. FINGER RINGS. RICA E. KAPLAN, Chicago, Ill.
Filed June 16, 1944. Serial No. 471,310. PUBLISHED SEPTEMBER 26, 1944. Class 28.

410,613. PERFUMES. MAISON JEURELLE-SEVENTEEN, INC., New York, N. Y.
Filed June 16, 1944. Serial No. 471,317. PUBLISHED SEPTEMBER 19, 1944. Class 6.

410,614. MEDICINAL POWDER FOR RELIEVING HAY-FEVER. JOHN K. BARANSKI, Chicago, Ill.
Filed June 19, 1944. Serial No. 471,384. PUBLISHED SEPTEMBER 19, 1944. Class 6.

410,615. KITCHEN FURNITURE—NAMELY, TABLES, CHAIRS, CABINETS, STOOLS, COMBINATION STOOLS AND LADDERS, AND FILING CASES. THE ALUMINUM COOKING UTENSIL COMPANY, New Kensington, Pa.
Filed June 21, 1944. Serial No. 471,466. PUBLISHED SEPTEMBER 26, 1944. Class 32.

410,616. CYANIDE COMPOUND FOR NITRIDING TOOL STEELS. ECCO CHEMICAL CORPORATION, Weehawken, N. J.
Filed June 20, 1944. Serial No. 471,447. PUBLISHED SEPTEMBER 19, 1944. Class 6.

410,617. MANGANESE AND STEEL AND ROUGH AND PARTLY FINISHED MANGANESE, AND STEEL CASTINGS. KENSINGTON STEEL COMPANY, Chicago, Ill.
Filed June 21, 1944. Serial No. 471,479. PUBLISHED SEPTEMBER 26, 1944. Class 14.

410,618. MEDICINAL PREPARATIONS FOR RELIEF OF PAIN FROM NEURALGIA AND COMMON COLDS. EUGENE SCHAEFFER, New York, N. Y.
Filed June 22, 1944. Serial No. 471,537. PUBLISHED SEPTEMBER 19, 1944. Class 6.

410,619. GOLD JEWELRY FOR PERSONAL ADORNMENT, NOT INCLUDING WATCHES. MARLIN JEWELERS, INC., New York, N. Y.
Filed June 23, 1944. Serial No. 471,562. PUBLISHED SEPTEMBER 26, 1944. Class 28.

410,620. OINTMENT FOR THE TREATMENT OF PYOGENIC INFECTIONS. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio.
Filed June 23, 1944. Serial No. 471,563. PUBLISHED SEPTEMBER 19, 1944. Class 6.

410,621. PREPARATION IN TABLET FORM FOR USE IN THE TREATMENT OF CARDIOVASCULAR CONDITIONS. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio.
Filed June 23, 1944. Serial No. 471,564. PUBLISHED SEPTEMBER 19, 1944. Class 6.

410,622. PREPARATION IN OINTMENT FORM FOR USE IN THE TREATMENT OF ANAEROBIC INFECTIONS. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio.
Filed June 23, 1944. Serial No. 471,565. PUBLISHED SEPTEMBER 19, 1944. Class 6.

410,623. PREPARATION IN TABLET FORM FOR USE IN THE TREATMENT OF ALLERGIC AND CARDIOVASCULAR CONDITIONS. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio.
Filed June 23, 1944. Serial No. 471,566. PUBLISHED SEPTEMBER 19, 1944. Class 6.

410,624. GERMICIDAL SOLUTION. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio.
Filed June 23, 1944. Serial No. 471,567. PUBLISHED SEPTEMBER 19, 1944. Class 6.

410,625. PREPARATION FOR THE EXTERMINATION OF NITS AND LICE. ROBERT SALAZAR, doing business as Los Angeles Pharmacal Co., Los Angeles, Calif.
Filed June 24, 1944. Serial No. 471,634. PUBLISHED SEPTEMBER 19, 1944. Class 6.

410,626. SUDSING CLEANER, CLEANSER, AND DETERGENT. COLGATE-PALMOLIVE-PEET COMPANY, Jersey City, N. J.
Filed June 27, 1944. Serial No. 471,698. PUBLISHED SEPTEMBER 26, 1944. Class 4.

410,627. NECKLACES AND BRACELETS, NOT INCLUDING WATCHES, FINGER RINGS, EARRINGS, JEWELRY CLIPS, BROOCHES, LOCKETS, ETC. CORO, INC., New York, N. Y.
Filed June 27, 1944. Serial No. 471,700. PUBLISHED SEPTEMBER 26, 1944. Class 28.

410,628. POWDER WHICH IS TO BE MIXED WITH MILK TO MAKE PUDDINGS AND PIES. THE SWEETS COMPANY OF AMERICA, INCORPORATED, also doing business as The Sweets Company of America, Inc., Hoboken, N. J.
Filed July 1, 1944. Serial No. 471,887. PUBLISHED SEPTEMBER 26, 1944. Class 46.

410,629. SOLVENT RESISTANT LUBRICATING GREASE. CHEMOTEK MANUFACTURING COMPANY, Houston, Tex.
Filed July 6, 1944. Serial No. 471,943. PUBLISHED SEPTEMBER 26, 1944. Class 15.

410,630. CLEANER COMPOUNDS FOR REMOVING SCORCH AND STAINS FROM PORCELAIN ENAMELED STOVES, REFRIGERATORS, SINKS, AND BATHTUBS. HERBERT S. HEAVENRICH, doing business as Myro Manufacturing Co., Milwaukee, Wis.
Filed July 8, 1944. Serial No. 472,003. PUBLISHED SEPTEMBER 26, 1944. Class 4.

410,631. PRUNE FILLING FOR CAKES, PIES, AND PASTRIES. MAX AMS, INC., New York, N. Y.
Filed July 10, 1944. Serial No. 472,028. PUBLISHED SEPTEMBER 26, 1944. Class 46.

410,632. READY MIXED PAINTS, LACQUERS, AND PAINT ENAMELS. THE ARCO COMPANY, Cleveland, Ohio.
Filed July 17, 1944. Serial No. 472,313. PUBLISHED SEPTEMBER 26, 1944. Class 16.

410,633. WRAPPING PAPER. MOSINEE PAPER MILLS COMPANY, Mosinee, Wis.
Filed July 19, 1944. Serial No. 472,394. PUBLISHED SEPTEMBER 26, 1944. Class 37.

410,634. WATCHES. THE UNITED STATES TIME CORPORATION, Waterbury, Conn.
Filed July 20, 1944. Serial No. 472,441. PUBLISHED SEPTEMBER 26, 1944. Class 27.

410,635. RICE. LOUISIANA STATE RICE MILLING COMPANY, INC., Abbeville, La.
Filed July 22, 1944. Serial No. 472,526. PUBLISHED SEPTEMBER 26, 1944. Class 46.

410,636. JEWELRY FOR PERSONAL ADORNMENT, NOT INCLUDING WATCHES. RHODE ISLAND PEARL COMPANY, Edgewood, R. I.
Filed July 22, 1944. Serial No. 472,536. PUBLISHED SEPTEMBER 26, 1944. Class 28.

410,637. ROASTED PEPPERS WITH CAPERS, OLIVE OIL, VINEGAR, AND SALT. MULLER PRODUCTS CO., INC., New York, N. Y.
Filed July 29, 1944. Serial No. 472,747. PUBLISHED OCTOBER 3, 1944. Class 46.

416,638. DISTILLERS' DRIED GRAINS USED FOR POULTRY FOOD. SCHENLEY DISTILLERIES, INC., New York, N. Y.
Filed July 31, 1944. Serial No. 472,790. PUBLISHED SEPTEMBER 26, 1944. Class 46.

410,639. BALL-PLAYERS' GLOVES AND MITTS. RAWLINGS MANUFACTURING COMPANY, St. Louis, Mo.
Filed July 31, 1944. Serial No. 472,786. PUBLISHED SEPTEMBER 26, 1944. Class 22.

410,640. DISTILLERS' DRIED GRAINS USED FOR POULTRY FOOD. SCHENLEY DISTILLERIES, INC., New York, N. Y.
Filed July 31, 1944. Serial No. 472,791. PUBLISHED SEPTEMBER 26, 1944. Class 46.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

410,641. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MEAT RATION CO., INC., St. Paul, Minn.
Filed Feb. 16, 1942. Serial No. 451,013.



FOR PREPARED DOG FOOD.
Claims use since Mar. 1, 1940.

410,642. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MEYENBERG MILK PRODUCTS CO., Salinas, Calif. Filed May 19, 1942. Serial No. 453,115.

Meyenberg's
VICTORY
The New Richer
MILK

The applicant is the owner of registrations No. 369,897, dated Aug. 8, 1939; No. 372,920, dated Nov. 21, 1939; and No. 408,566, dated Aug. 15, 1944.
FOR CANNED EVAPORATED MILK.
Claims use since April 1942.

410,643. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PUREX PRODUCTS, INCORPORATED, Baltimore, Md. Filed Oct. 23, 1942. Serial No. 456,369.

Ridgely

FOR MEDICINAL MINERAL OIL, COD LIVER OIL, RUBBING ALCOHOL, RUBBING ALCOHOL COMPOUND, BAY RUM, QUININE HAIR TONIC, MOUTH WASH, WITCH HAZEL, CASTOR OIL, PETROLEUM JELLY, ASPIRIN, BEEF WINE AND IRON, BODY RUB LINIMENT, MILK OF MAGNESIA, PEROXIDE OF HYDROGEN, SACCHARIN, SODA MINT, SODIUM PHOSPHATE, BORIC ACID, SUN TAN OIL, SODIUM PERBORATE, SODIUM BICARBONATE, EPSOM SALTS, SPIRITS OF AMMONIA, HEALING OINTMENT, TINCTURE OF IODINE, PREPARATION FOR DRESSING THE HAIR, BRILLIANTINE, GLYCERINE AND ROSEWATER, GLYCERINE, TALCUM POWDER, CITRATE OF MAGNESIA, PETROLATUM, COLD CREAM, POMADES, HEALING SALVES. FACE AND BODY LOTIONS.
Claims use since October 1940.

410,644. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HENRIETTA NEUSTADTL, doing business as Victor Neustadtl, New York, N. Y. Filed July 28, 1943. Serial No. 462,376.

"Good Health!"

Applicant is the owner of registration No. 219,767.
FOR CHOCOLATE FLAVORED MALT SYRUP WITH VITAMINS.
Claims use since June 14, 1943.

410,645. (CLASS 37. PAPER AND STATIONERY.) INTERSTATE PAPER PRODUCTS CO., New York, N. Y. Filed Aug. 28, 1943. Serial No. 463,074.

NEATAPE

FOR ADHESIVE PAPER STRIPS AND ROLLS USED AS ADDRESSING STICKERS AND FOR SEALING PACKAGES.
Claims use since June 26, 1943.

410,646. (CLASS 37. PAPER AND STATIONERY.) SOUTHERN ADVANCE BAG & PAPER CO. INC., Bangor, Maine, and Boston, Mass. Filed Oct. 6, 1943. Serial No. 463,954.

RITEWRAP

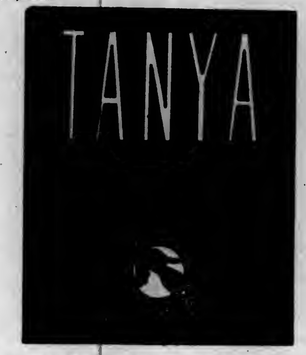
FOR KRAFT WRAPPING PAPER.
Claims use since 1931.

410,647. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GLASER, CRANDELL CO., Chicago, Ill. Filed Oct. 22, 1943. Serial No. 464,338.

GLASER

FOR PICKLES.
Claims use since Dec. 18, 1930.

410,648. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EDWARD I. GREEN, Atlantic City, N. J. Filed July 14, 1944. Serial No. 472,244.



FOR PREPARATION FOR SUN TANNING.
Claims use since June 1943.

410,649. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARTHA BAKER, Burlingame, Calif. Filed July 24, 1944. Serial No. 472,546.

MARTHA BAKER

FOR PERFUMES, TOILET WATERS, AND SACHETS.
Claims use since Oct. 1, 1938.

410,650. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MAJESTIC GROVES INC., also doing business as Grunow Groves, Phoenix, Ariz. Filed Aug. 2, 1944. Serial No. 472,877.

GRUNOW

The drawing is lined for shading.
FOR FRESH CITRUS FRUITS.
Claims use since December 1941.

410,651. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DR. J. F. TRUE & COMPANY, INC., Auburn, Maine. Filed Sept. 7, 1944. Serial No. 473,967.

The True Family Laxative

FOR LAXATIVE.
Claims use since Oct. 1, 1934.

410,652. (CLASS 39. CLOTHING.) BETTERMADE GARMENT CO., Los Angeles, Calif. Filed Sept. 9, 1944. Serial No. 474,018.

Ann Gray

FOR WOMEN'S, MISSES', AND JUNIORS' READY-TO-WEAR DRESSES, SUITS, COATS, SWEATERS, JUMPERS, AND SLACKS.
Claims use since Dec. 8, 1936.

410,653. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) NORCO MOLDED PRODUCTS, INC., Chicago, Ill. Filed Sept. 18, 1944. Serial No. 474,346.

SONG FLUTE

FOR OCARINA TYPE MUSICAL INSTRUMENTS.
Claims use since July 1939.

410,654. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) MICHIGAN SEAMLESS TUBE COMPANY, South Lyon, Mich. Filed Nov. 4, 1943. Serial No. 464,708.



FOR METAL TUBING.
Claims use since Oct. 19, 1943.

410,655. (CLASS 37. PAPER AND STATIONERY.) JOSEPH M. KATZ, Pittsburgh, Pa. Filed Nov. 17, 1943. Serial No. 465,074.

SUEDETONE
Pastel

FOR STATIONERY—NAMELY, WRITING PAPER AND ENVELOPES.
Claims use since Sept. 25, 1943.

410,656. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) FRED ARBOGAST, Akron, Ohio. Filed Feb. 28, 1944. Serial No. 467,799.

Hawaiian

FOR ARTIFICIAL BAIT.
Claims use since January 1936.

410,657. (CLASS 32. FURNITURE AND UPHOLSTERY.) JOSSEM BROTHERS, Rochester, N. Y. Filed Mar. 1, 1944. Serial No. 467,891.

A Shane Frame

FOR PICTURE FRAMES.
Claims use since May 1943.

410,658. (CLASS 39. CLOTHING.) JOSEPH LIVERANT, Montreal, Quebec, Canada. Filed Mar. 10, 1944. Serial No. 468,147.

LINDOR

FOR LADIES' SLIPS, BRASSIÈRES, GIRDLES, PANTIES, BLOUSES, HOSIERY, AND LADIES' GLOVES OF FABRIC, SUEDE AND KIDSKIN.
Claims use since Jan. 1, 1928.

410,659. (CLASS 37. PAPER AND STATIONERY.) BRYANT PAPER COMPANY, Kalamazoo, Mich. Filed Mar. 27, 1944. Serial No. 468,704.

pliable

FOR COATED PRINTING PAPER.
Claims use since Apr. 1, 1933.

410,660. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EDMOND QUEEN MARIE'S BEAUTICIAN, INC., New York, N. Y. Filed May 4, 1944. Serial No. 469,928.

Anti Soap

FOR NON-LATHERING CREAM FOR REMOVING MAKE UP AND CLEANSING THE SKIN.
Claims use since Feb. 1, 1943.

TRADE-MARK REGISTRATIONS RENEWED

25,598. **"SWIFT'S ORIOLE" AND DRAWING.** HAMS, BACON AND LARD. Registered December 4, 1894. SWIFT PROVISION CO., Baltimore, Md. Re-renewed December 4, 1944, to Swift and Company, Chicago, Ill., a corporation of Illinois.

26,078. **BABESKIN.** TOILET AND MEDICINAL SOAP AND TOILET POWDER. Registered February 19, 1895. WINEBURGH BROS. Re-renewed February 19, 1945, to John T. Stanley Co., Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments.

190,321. **BLUE AMERYL.** FACE POWDER, TALCUM POWDER, AND TOILET WATER. Registered October 14, 1924. MARINELLO COMPANY, La Crosse, Wis. Renewed October 14, 1944, to Sales Affiliates, Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments.

190,456. **"LOUIS J. LARSEN" AND DRAWING.** YACHT SAILS, ICE-BOAT SAILS, SKATING SAILS, CANOE SAILS, AND WIRE RIGGING READY FOR USE. Registered October 14, 1924. LOUIS J. LARSEN, New York, N. Y. Renewed October 14, 1944.

190,468. **CHOCOLATE LOGS.** EATING CHOCOLATE. Registered October 14, 1924. AMBROSIA CHOCOLATE CO., Milwaukee, Wis., a corporation of Wisconsin. Renewed October 14, 1944.

190,475. **SURGEX.** ELECTRICAL DISHWASHING MACHINES. Registered October 14, 1924. WONDER PORTABLE DISHWASHER COMPANY, Oakland, Calif. Renewed October 14, 1944, to Surgex Manufacturing Company, San Francisco, Calif., a corporation of California, by change of name.

190,508. **"STEELCRAFT" AND DRAWING.** PHYSICIANS' AND SURGEONS' TABLES, PHYSICIANS' AND SURGEONS' CHAIRS, AND PHYSICIANS' AND SURGEONS' CABINETS. Registered October 14, 1924. THE MURRAY PRODUCTS COMPANY, Detroit, Mich. Renewed October 14, 1944, to The Murray-Ohio Manufacturing Company, Cleveland, Ohio, a corporation of Ohio, assignee.

190,589. **VIKING.** AUTOMATIC FIRE SPRINKLER SYSTEMS AND PARTS THEREOF. Registered October 14, 1924. THE VIKING CORPORATION, Hastings, Mich., a corporation of Michigan. Renewed October 14, 1944.

190,720. **SUPER X.** PETROLEUM PRODUCTS—NAMELY, LUBRICATING OILS, LUBRICATING GREASES, GASOLINE; ALSO LUBRICATING OILS AND GREASES OTHER THAN DERIVED FROM PETROLEUM—NAMELY, VEGETABLE GREASE LUBRICANTS AND LIQUID VEGETABLE LUBRICANTS. Registered October 21, 1924. METROPOLITAN FINANCE CORPORATION OF CALIFORNIA, Los Angeles, Calif. Renewed October 21, 1944, to Cities Service Oil Company, New York, N. Y., a corporation of Pennsylvania, assignee by mesne assignments.

190,743. **TROJAN.** KEROSENE, GASOLINE, LUBRICATING OILS, AND GREASES. Registered October 21, 1924. THE WESTERN RESERVE OIL COMPANY, Cleveland, Ohio. Renewed October 21, 1944, to Cities Service Oil Company, Bartlesville, Okla., a corporation of Delaware, assignee by mesne assignments.

190,872. **"USP" AND DESIGN.** DRIED AND CANNED FRUITS AND VEGETABLES. Registered October 28, 1924. UNITED STATES PRODUCTS CORPORATION, San Francisco, Calif. Renewed October 28, 1944, to United States Products Corporation, Ltd., San Jose, Calif., a corporation of Nevada, assignee.

190,932. **PICTUROL.** PICTURE-PROJECTION SETS OR OUTFITS, PICTURE-PROJECTION APPARATUS AND MACHINES, CARRYING CASES THEREFOR, PICTURES AND SETS OF PICTURES ADAPTED FOR PROJECTION, DESCRIPTIVE MATTER COORDINATED AND RELATED TO SAID PICTURES AND SETS OF PICTURES, AND CABINETS ADAPTED FOR RECEIVING SAID PROJECTION APPARATUS, PICTURES, AND PRINTED MATTER. Registered October 28, 1924. SOCIETY FOR VISUAL EDUCATION. Renewed October 28, 1944, to Society for Visual Education, Inc., Chicago, Ill., a corporation of Delaware, successor.

190,940. **CARBOVAR.** CARBON BLACK. Registered October 28, 1924. GODFREY L. CABOT, INC., Boston, Mass., a corporation of Massachusetts. Renewed October 28, 1944.

191,124. **"STEELCRAFT" AND DRAWING.** PORCH BOXES, WASH AND DRAIN TUBS, MILK-BOTTLE CRATES AND HOLDERS, AND WASTE CONTAINERS. Registered November 4, 1924. THE MURRAY PRODUCTS COMPANY, Detroit, Mich. Renewed November 4, 1944, to The Murray-Ohio Manufacturing Company, Cleveland, Ohio, a corporation of Ohio, assignee.

191,193. **"QUISENBERRY QUALITY" AND DRAWING.** POULTRY FEED. Registered November 4, 1924. QUISENBERRY FEED MF'G CO. Renewed November 4, 1944, to May-Way Mills, Inc., Kansas City, Mo., a corporation of Missouri, assignee.

191,480. **LAFOMA TONIQUE.** HAIR TONIC. Registered November 11, 1924. THE F. W. FITCH COMPANY, Des Moines, Iowa, a corporation of Iowa. Renewed November 11, 1944.

191,555. **"STEELCRAFT" AND DRAWING.** FURNITURE, HOUSEHOLD TABLES, OFFICE TABLES, KITCHEN TABLES, CARD TABLES, OFFICE CABINETS, RADIOCABINETS, STOOLS, CHAIRS, FLOWER FURNITURE—NAMELY, FERNERIES. Registered November 11, 1924. THE MURRAY PRODUCTS COMPANY, Detroit, Mich. Renewed November 11, 1944, to The Murray-Ohio Manufacturing Company, Cleveland, Ohio, a corporation of Ohio, assignee.

191,628. **"L. A." AND DESIGN.** ELECTRIC MOTORS, GENERATORS, ROTARY CONVERTERS, INVERTED ROTARIES, FREQUENCY CHANGERS, CONTROLLERS AND COMPENSATORS. Registered November 11, 1924. THE LOUIS ALLIS COMPANY, Milwaukee, Wis., a corporation of Wisconsin. Renewed November 11, 1944.

191,741. **LIK-E-NAMEL.** VARNISH STAIN (COLORED VARNISH). Registered November 18, 1924. W. W. LAWRENCE AND COMPANY, Pittsburgh, Pa., a corporation of Pennsylvania. Renewed November 18, 1944.

191,798. **SHELL BRIAR.** PIPES, CIGAR AND CIGARETTE HOLDERS, AND TOBACCO POUCHES. Registered November 18, 1924. ALFRED DUNHILL OF LONDON, INC., New York, N. Y. Renewed November 18, 1944, to Alfred Dunhill Limited, London, England, a corporation of Great Britain, assignee.

192,272. **LM.** GEARS. Registered December 2, 1924. LOUIS MEIER, Detroit, Mich. Renewed December 2, 1944, to L. M. Gear Company, East Detroit, Mich., a firm, successor.

192,432. **130.** PHOTOGRAPHIC FILMS. Registered December 2, 1924. EASTMAN KODAK COMPANY. Renewed December 2, 1944, to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey, assignee.

192,433. **40.** PHOTOGRAPHIC SENSITIZED MATERIALS, PARTICULARLY PLATES. Registered December 2, 1924. EASTMAN KODAK COMPANY. Renewed December 2, 1944, to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey, assignee.

192,435. **33.** PHOTOGRAPHIC SENSITIZED MATERIALS, PARTICULARLY PLATES. Registered December 2, 1924. EASTMAN KODAK COMPANY. Renewed December 2, 1944, to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey, assignee.

192,713. **IRONWEVE.** HOSIERY. Registered December 9, 1924. A. V. VICTORIUS & CO. Renewed December 9, 1944, to Elting Brothers, New York, N. Y., a firm, assignee.

192,921. **"AM FORGE" AND DESIGN.** UPSET FORGINGS. Registered December 16, 1924. AMERICAN FORGE COMPANY, Chicago, Ill. Renewed December 16, 1944, to American Brake Shoe Company, New York, N. Y., a corporation of Delaware, assignee.

192,979. **I SEE.** NEWSPAPER ARTICLES IN BOX FORM. Registered December 16, 1924. DAILY TRADE RECORD COMPANY OF NEW YORK, New York, N. Y., a corporation of New York. Renewed December 16, 1944.

193,192. **LAW-RE-LAC.** VARNISH STAIN. Registered December 23, 1924. W. W. LAWRENCE AND COMPANY, Pittsburgh, Pa., a corporation of Pennsylvania. Renewed December 23, 1944.

193,193. **KLEAN-ITT.** PAINT AND VARNISH REMOVERS. Registered December 23, 1924. W. W. LAWRENCE AND COMPANY, Pittsburgh, Pa., a corporation of Pennsylvania. Renewed December 23, 1944.

193,386. **CYANOGAS.** INSECTICIDE AND RODENT EXTERMINATOR FOR AGRICULTURAL AND HORTICULTURAL APPLICATION. Registered December 30, 1924. AMERICAN CYANAMID COMPANY, New York, N. Y., a corporation of Maine. Renewed December 30, 1944.

193,406. **REPRESENTATION OF A CEMENT FINISHER AT WORK.** CEMENT FLOORS, NAILING BASE FOR CONCRETE, METALLIC FINISHED FLOORS, VARIOUS-COLORED FLOORS, MAGNESITE FLOORS, MASTIC FLOORS, CEMENT FLOORS AND WALLS CONTAINING HYDROLITHIC OR OTHER WATERPROOFING COMPOUNDS. Registered December 30, 1924. CEMENT FINISH CO. INC., New York, N. Y., a corporation of New York. Renewed December 30, 1944.

193,474. **TEXACO.** INSECTICIDES. Registered December 30, 1924. THE TEXAS COMPANY, Houston, Tex., and New York, N. Y. Renewed December 30, 1944, to The Texas Company, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

193,487. **"RAY-Q-NOL" AND DESIGN.** OLEAGINOUS PREPARATION FOR USE AS A SCOURING AGENT FOR TEXTILE FIBERS INCLUDING ARTIFICIAL SILK. Registered December 30, 1924. QUAKER OIL PRODUCTS CORPORATION. Renewed December 30, 1944, to Quaker Chemical Products Corporation, Conshohocken, Pa., a corporation of Pennsylvania, assignee.

193,724. **ANGEL.** ABDOMINAL BANDS, APRONS, BABY BUNTINGS, BANDS, BIBS, BLOOMERS, BLOUSES, BOOTIES, CAPES, CAPS, COATS, CREEPERS, DRAWERS, DRESSES, EAR CONFORMERS (CAPS WITH EAR TABS), GARTERS, GOWNS, HATS, HOSE AND SOCKS, LEGGINGS (TEXTILE FABRIC), MIDDIES, MITTENS (FABRIC AND LEATHER), PLAY SUITS, PRINCESS SLIPS, ROBES, ROMPERS; AND OTHER CERTAIN NAMED ARTICLES OF CLOTHING. Registered January 6, 1925. E. J. FEISEL. Renewed January 6, 1945, to Grace W. Feisel, San Francisco, Calif., successor.

193,767. **YO-HO. MINCEMEAT.** Registered January 6, 1925. MERRELL-SOULE COMPANY, Syracuse, N. Y. Renewed January 6, 1945, to The Borden Company, New York, N. Y., a corporation of New Jersey, assignee by mesne assignments.

193,789. **"FREEZE-EM" AND DESIGN.** CLEANSING, WASHING, AND SCOURING PREPARATION USED FOR GENERAL CLEANING PURPOSES, ESPECIALLY IN THE CLEANSING, WASHING, AND SCOURING OF ICE BOXES, REFRIGERATORS, SHOW CASES, FLOORS OF PUBLIC AND SEMI-PUBLIC BUILDINGS AND IN OTHER COMMERCIAL OR BUSINESS BUILDINGS. Registered January 6, 1925. B. HELLER & COMPANY, Chicago, Ill., a corporation of Illinois. Renewed January 6, 1945.

194,019. **SUPERTWIST.** VEHICLE TIRES COMPOSED OF RUBBER AND FABRIC. Registered January 13, 1925. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio, a corporation of Ohio. Renewed January 13, 1945.

194,064. **THE PRINCIPIA.** PRINTED PERIODICAL PUBLICATIONS. Registered January 13, 1925. TRUSTEES OF THE PRINCIPIA. Renewed January 13, 1945, to The Principia Corporation, St. Louis, Mo., a corporation of Missouri, by change of name.

194,308. **"GOOD YEAR" AND DRAWING.** PAINTS FOR PNEUMATIC AND SOLID TIRES AND RUBBER GOODS. Registered January 20, 1925. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio, a corporation of Ohio. Renewed January 20, 1945.

195,212. **FILTROL.** CHEMICALLY-TREATED COLLOIDAL CLAY, ADAPTED FOR USE AS A DECOLORIZING, BLEACHING, FILTERING, PURIFYING, AND ABSORBING MEDIUM. Registered February 17, 1925. FILTROL COMPANY. Renewed February 17, 1945, to Filtrol Corporation, Los Angeles, Calif., a corporation of Delaware, assignee by mesne assignments.

195,251. **PARADOX.** SOAP. Registered February 17, 1925. JOHN T. STANLEY CO., INC., New York, N. Y., a corporation of New York. Renewed February 17, 1945.

195,491. **OPERADIO.** RADIO RECEIVING SETS. Registered February 24, 1925. THE OPERADIO CORPORATION, Chicago, Ill. Renewed February 24, 1945, to Operadio Manufacturing Co., St. Charles, Ill., a corporation of Illinois, assignee by mesne assignments.

195,566. **CREPE MEDICI.** WOVEN, KNITTED, NETTED, TEXTILE, AND PILE FABRICS IN THE PIECE, COMPRISED IN WHOLE OR IN PART OF SILK. Registered February 24, 1925. CHENEY BROTHERS. Renewed February 24, 1945, to Cheney Brothers, South Manchester, Conn., a corporation of Connecticut, assignee.

195,597. **CUSHION WIND.** COTTON THREAD. Registered February 24, 1925. THE AMERICAN THREAD COMPANY, New York, N. Y., a corporation of New Jersey. Renewed February 24, 1945.

195,892. **DUOSETTE.** COMBINATION CORSET AND BRASSIÈRE. Registered March 3, 1925. LILY OF FRANCE CORSET CO. Renewed March 3, 1945, to Lily of France Corset Company, Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments.

196,206. **SINGLE STROKE.** ARTISTS' BRUSHES. Registered March 10, 1925. MAX GRUMBACHER. Renewed March 10, 1945, to M. Grumbacher, New York, N. Y., a copartnership, assignee.

196,207. **MEISSONIER.** ARTISTS' BRUSHES. Registered March 10, 1925. MAX GRUMBACHER. Renewed March 10, 1945, to M. Grumbacher, New York, N. Y., a copartnership, assignee.

196,208. **KAZANOX.** ARTISTS' BRUSHES. Registered March 10, 1925. MAX GRUMBACHER. Renewed March 10, 1945, to M. Grumbacher, New York, N. Y., a copartnership, assignee.

196,209. **GILDMORE.** ARTISTS' BRUSHES. Registered March 10, 1925. MAX GRUMBACHER. Renewed March 10, 1945, to M. Grumbacher, New York, N. Y., a copartnership, assignee.

196,210. **ESPERANTO.** ARTISTS' BRUSHES. Registered March 10, 1925. MAX GRUMBACHER. Renewed March 10, 1945, to M. Grumbacher, New York, N. Y., a copartnership, assignee.

196,211. **DISPATCH.** ARTISTS' BRUSHES. Registered March 10, 1925. MAX GRUMBACHER. Renewed March 10, 1945, to M. Grumbacher, New York, N. Y., a copartnership, assignee.

196,212. **CAMOX.** ARTISTS' BRUSHES. Registered March 10, 1925. MAX GRUMBACHER. Renewed March 10, 1945, to M. Grumbacher, New York, N. Y., a copartnership, assignee.

196,213. **CUTTER.** ARTISTS' BRUSHES. Registered March 10, 1925. MAX GRUMBACHER. Renewed March 10, 1945, to M. Grumbacher, New York, N. Y., a copartnership, assignee.

196,214. **ARTCRAFT.** ARTISTS' BRUSHES. Registered March 10, 1925. MAX GRUMBACHER. Renewed March 10, 1945, to M. Grumbacher, New York, N. Y., a copartnership, assignee.

196,236. **EBCO.** SHEET CORK, SHEETED STRAW AND SHEET SILK, FOR CIGARETTE TIPS. Registered March 10, 1925. ENDLESS BELT CORPORATION, New York, N. Y. Renewed March 10, 1945, to Endless Belt Corporation, Pisgah Forest, N. C., a corporation of North Carolina, assignee.

196,392. **FLIT.** DEODORANTS AND DISINFECTANTS. Registered March 17, 1925. STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J. Renewed March 17, 1945, to Stanco Incorporated, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

196,505. **CHILL CHASER.** ELECTRIC AIR HEATER OF THE REFLECTOR TYPE. Registered March 17, 1925. THE RUTENBER ELECTRIC CO., Marion, Ind., a corporation of Indiana. Renewed March 17, 1945.

196,587. **SCRIPTO.** PENCIL LEADS. Registered March 24, 1925. SCRIPTO MANUFACTURING COMPANY, Atlanta, Ga., a corporation of Georgia. Renewed March 24, 1945.

196,675. **QUICK AS WINK.** HOSE COUPLERS. Registered March 24, 1925. C. B. HUNT & SON, Salem, Ohio, a firm. Renewed March 24, 1945.

196,740. **"HARVEST" AND DRAWING.** BOTTLED MUSTARD, PRESERVED FRUITS, JELLIES, CANNED LIMA BEANS, CANNED TOMATOES, CANNED PEAS, CANNED CORN, AND CANNED STRING BEANS. Registered March 24, 1925. MAX PINKUS, doing business as John Price and Company, Philadelphia, Pa. Renewed March 24, 1945.

196,784. **WHITEFACE BOND.** WRITING AND PRINTING PAPERS. Registered March 31, 1925. J. & J. ROGERS COMPANY, Au Sable Forks, N. Y., a corporation of New York. Renewed March 31, 1944.

196,787. **"FEAST" AND DRAWING.** CANNED FRUITS, CANNED VEGETABLES, CANNED BERRIES, CANNED SALMON, TEA, TABLE SIRUP, AND SPICES. Registered March 31, 1925. THE ULRY-TALBERT COMPANY, Grand Island, Nebr., a corporation of Nebraska. Renewed March 31, 1945.

196,801. **"SUCCESS" AND DRAWING.** SNAP FASTENERS ON CARDS. Registered March 31, 1925. WALDES & CO., INC. Renewed March 31, 1945, to Waldes Koh-I-Noor, Inc., Long Island City, N. Y., a corporation of New York, assignee.

196,894. **SUPER.** PNEUMATIC TOOLS—NAMELY, RIVETING HAMMERS, STAY-BOLT RIVETERS, JAMB RIVETERS, HOLDERS-ON, RIVET BUSTERS, RIVET CUTTERS, CLAY-DIGGING HAMMERS, CORE AND CONCRETE BREAKERS, CHIPPING HAMMERS, SCALING HAMMERS, BENCH HAMMERS, SAND RAMMERS, DRILLS, PISTON GRINDERS, SURFACE GRINDERS AND POLISHERS, AND CONCRETE FINISHERS; CHISEL RETAINERS, CHISELS, RIVET SETS, CHUCKS, HOSE-CLAMP TOOLS; AND REDUCING BUSHINGS FORMING PARTS OF SEVERAL OF THE ABOVE PNEUMATIC TOOLS. Registered March 31, 1925. WILLIAM H. KELLER, INC. Renewed March 31, 1945, to Keller Tool Company, Grand Haven, Mich., a corporation of Michigan, by change of name.

197,031. **SOLBASENE.** BASE OILS TO BE USED IN THE MAKING OF VARIOUS GRADES OF CUTTING OILS. Registered April 7, 1925. THE METALENE CHEMICAL COMPANY, Cleveland, Ohio. Renewed April 7, 1945, to The Metalene Chemical Co., Bedford, Ohio, a corporation of Ohio.

197,033. **TOOL COOL.** OIL FOR USE WITH LATHES AND CUTTING AND DRILLING TOOLS. Registered April 7, 1925. THE FRANKLIN OIL & GAS CO., Bedford, Ohio, a corporation of Ohio. Renewed April 7, 1945.

197,093. **"MEADOWBROOK" AND DRAWING.** MEN'S AND BOYS' SUITS. Registered April 7, 1925. AUERBACH & GUETTEL, doing business as The Palace Clothing Company, Kansas City, Mo., assignor to B. Altman & Co. Renewed April 7, 1945, to B. Altman & Co., New York, N. Y., a corporation of New York.

197,116. **"MEADOWBROOK" AND DRAWING.** ARTICLES OF CLOTHING FOR WOMEN, MISSES, AND CHILDREN AS FOLLOWS: SUITS, COATS, DRESSES, BLOUSES, SWEATERS, AND RIDING HABITS. Registered April 7, 1925. B. Altman & Co., New York, N. Y., a corporation of New York. Renewed April 7, 1945.

197,140. **UTRO-SEDAL.** MEDICINAL PREPARATION, A UTERINE SEDATIVE AND ANTISPASMODIC. Registered April 14, 1925. BREWER & COMPANY, INC., Worcester, Mass., a corporation of Massachusetts. Renewed April 14, 1945.

197,141. **TUSI.** MEDICINAL PREPARATION, A SEDATIVE DEMULCENT FOR COUGHS AND BRONCHITIS. Registered April 14, 1925. BREWER & COMPANY, INC., Worcester, Mass., a corporation of Massachusetts. Renewed April 14, 1945.

197,174. **TENLIME.** HYDRATED LIME. Registered April 14, 1925. THE WOODVILLE LIME PRODUCTS CO., Toledo, Ohio. Renewed April 14, 1945, to The Woodville Lime Products Co., Toledo and Woodville, Ohio, a corporation of Ohio.

197,233. **PENSAL.** GENERAL CLEANSING PREPARATION WITH WATER-SOFTENING PROPERTIES. Registered April 14, 1925. THE PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed April 14, 1945.

197,235. **"THE RING" AND DRAWING.** PERIODICAL ISSUED MONTHLY. Registered April 14, 1925. THE RING, INC., New York, N. Y., a corporation of New York. Renewed April 14, 1945.

197,239. **"BLUE SEA" AND DRAWING.** EXERCISE, COMPOSITION, MEMORANDUM, AND NOTE BOOKS. Registered April 14, 1925. S. E. & M. VERNON INC., New York, N. Y., a corporation of New York. Renewed April 14, 1945.

197,244. **"TENACITY" AND DRAWING.** LOOSE-LEAF BOOKS, BINDERS, FILING APPARATUS, AND PARTS THEREOF. Registered April 14, 1925. THE TENACITY MANUFACTURING COMPANY, Reading, Ohio. Renewed April 14, 1945, to The Tenacity Manufacturing Company, Lockland, Ohio, a corporation of Ohio.

197,251. **TEMLITE.** PORCH AND WINDOW SHADES. Registered April 14, 1925. THE AEROSHADE COMPANY, Waukesha, Wis., a corporation of Wisconsin. Renewed April 14, 1945.

197,265. **PLAYMORE.** PHONOGRAPH RECORDS AND PLAYER-PIANO ROLLS. Registered April 14, 1925. IOWEN MATTHEW LAWSON, New York, N. Y. Renewed April 14, 1945.

197,274. **CERTIFIED.** MATTRESSES. Registered April 12, 1925. ADAM WUEST. Renewed April 14, 1945, to Adam Wuest, Inc., Cincinnati, Ohio, a corporation of Ohio, assignee.

197,281. **BANNER.** SOAP. Registered April 14, 1925. JOHN T. STANLEY CO., INC., New York, N. Y., a corporation of New York. Renewed April 14, 1945.

197,301. **"COMERCIALITE" AND DRAWING.** ELECTRIC-LIGHTING UNITS. Registered April 14, 1925. LIGHTING FIXTURE & SUPPLY COMPANY INC. Renewed April 14, 1945, to Lighting Fixture & Electric Supply Co., Inc., New Orleans, La., a corporation of Louisiana, by change of name.

197,331. **VERNONA.** BLANK BOOKS, COMPRISING ACCOUNT BOOKS, MEMORANDUM BOOKS, COMPOSITION BOOKS, NOTEBOOKS, AND EXERCISE BOOKS. Registered April 14, 1925. S. E. & M. VERNON INC., New York, N. Y., a corporation of New York. Renewed April 14, 1945.

197,332. **ROYAL VERNONA.** PAPER FOR USE IN THE MANUFACTURE OF BLANK BOOKS. Registered April 14, 1925. S. E. & M. VERNON INC., New York, N. Y., a corporation of New York. Renewed April 14, 1945.

197,340. **"IVY" AND DRAWING.** TISSUE PAPER, TYPEWRITER PAPER, DUPLICATING PAPER, COPYING PAPERS, AND MAILING ENVELOPES. Registered April 14, 1925. ROBERT FLETCHER & SON LIMITED, Stoneclough, near Manchester, England, a corporation of the United Kingdom. Renewed April 14, 1945.

197,371. **HYDRIOL.** MEDICINAL PREPARATION—AN ALTERATIVE IN CERTAIN FORMS OF RHEUMATISM—AN ACID IODIDE, AND FOR BRONCHIAL AFFECTIONS. Registered April 14, 1925. BREWER & COMPANY, INC., Worcester, Mass., a corporation of Massachusetts. Renewed April 14, 1945.

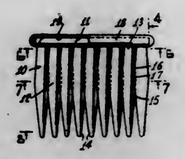
197,383. **REPRESENTATION OF CHECKER CIRCULAR DESIGN.** FIBER BOARD AND CORRUGATED SHIPPING CONTAINERS OR CARTONS. Registered April 14, 1925. THE MENGEL COMPANY, Louisville, Ky., a corporation of New Jersey. Renewed April 14, 1945.

197,420. **METEOR.** FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, GRAPEFRUIT. Registered April 14, 1925. SAN FERNANDO HEIGHTS LEMON CO. Renewed April 14, 1945, to San Fernando Heights Lemon Association, San Fernando, Calif., a corporation of California, assignee.

REISSUES

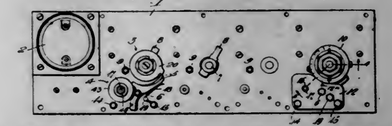
DECEMBER 5, 1944

22,573
COMB
William Huppert, New York, N. Y., assignor to Delamere Company Inc., a corporation of Delaware
Original No. 2,316,335, dated April 13, 1943, Serial No. 439,527, April 18, 1942. Application for reissue August 2, 1943, Serial No. 497,059
5 Claims. (Cl. 132—21)



1. A hair retaining comb comprising a plurality of teeth having lapped lateral edge portions, a forwardly projecting rib formed integral with and connecting the upper ends of the teeth, and a separate bar having a recess in its rear face in which the rib is received and permanently secured to hold the teeth in lapped position.

22,574
CONTROL SYSTEM AND APPARATUS
Arthur A. Collins, Cedar Rapids, Iowa
Original No. 2,285,414, dated June 9, 1942, Serial No. 303,491, November 8, 1939. Application for reissue June 2, 1943, Serial No. 489,413
25 Claims. (Cl. 192—142)



1. Shaft positioning apparatus comprising, in combination, a shaft to be positioned, a torque limiting drive for said shaft, a stop-ring drum assembly mounted on the shaft to be positioned and including a series of stop rings each having a stop device thereon, a cam drum assembly, a series of pawls disposed between said stop-ring drum assembly and said cam drum assembly, biasing means for each of said pawls, each pawl being individually actuated by said biasing means for engagement with the stop device of a corresponding individual stop ring, and means for driving said cam drum assembly and said stop-ring drum assembly in a predetermined sequence of operations for actuating a selected pawl and for moving the stop device of a corresponding stop ring into engagement therewith for setting said shaft in desired angular position.

PLANT PATENTS

GRANTED DECEMBER 5, 1944

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

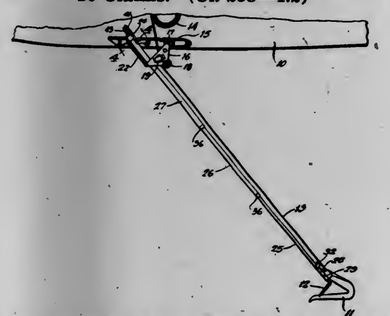
647
ROSE PLANT
Conrad Hartgerink, West Los Angeles, Calif., assignor to Armacost & Royston, Inc., West Los Angeles, Calif., a corporation of California
Application August 4, 1944, Serial No. 548,050
1 Claim. (Cl. 47—61)

A new and distinct variety of rose plant, characterized as to novelty by its extreme vigor and healthfulness compared with its parent "Better Times," greater production of flowers per plant on long, stronger stems, and greater degree of thornlessness and tendency to make but two or three leaves, per cluster, instead of five, on some of the canes, substantially as shown and described.

PATENTS

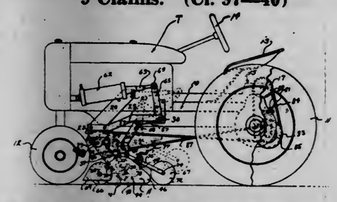
GRANTED DECEMBER 5, 1944

2,364,042
AERIAL PICKUP DEVICE
Rexford O. Anderson, Chicago, Ill., assignor to Foote Bros. Gear and Machine Corporation, Chicago, Ill., a corporation of Delaware
Application April 3, 1943, Serial No. 481,712
10 Claims. (Cl. 258—1.2)



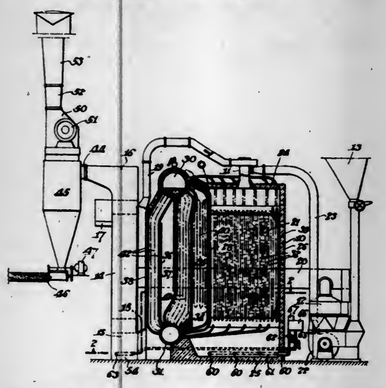
7. In an aerial pickup device, the combination of a base having a central opening therein, arm and link members pivotally interconnected at one end, means connecting the other ends of the members to the base adjacent the opposite ends of the opening, a guide roller carried by one of the members to guide a cable passing through the opening in the base, spaced mounting sleeves carried by the other member each having an opening in one side, a sectional support including an end section of a size to pass through the openings in the sleeves and other sections of a size slidably to fit in the sleeves, a hook connected to the cable, and means on said end section detachably to support the hook thereon.

2,364,043
ROTARY CULTIVATOR
Mando S. Ariens, Brillion, Wis.
Application September 19, 1942, Serial No. 458,959
9 Claims. (Cl. 97—40)



1. A power driven multiple row cultivator comprising a plurality of independent transversely spaced cultivator units each including a rotary tiller shaft, ground working tines, a forwardly and upwardly extending supporting arm rotatably carrying the tiller shaft and a lift arm rockably carried by the lower end of the supporting arm, a common drive shaft, means rockably mounting the upper ends of the supporting arms on the common drive shaft, means for driving the tiller shafts from the common drive shaft, and means connected with the lift arms for raising and lowering the cultivator units, and a protecting hood for each cultivator unit, said hoods being carried by the lift arms.

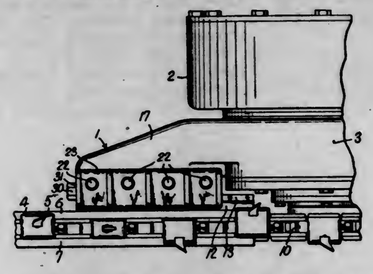
2,364,044
STEAM GENERATOR FURNACE
John Phillips Badenhausen, Philadelphia, Pa.
Application August 15, 1942, Serial No. 454,952
7 Claims. (Cl. 110—165)



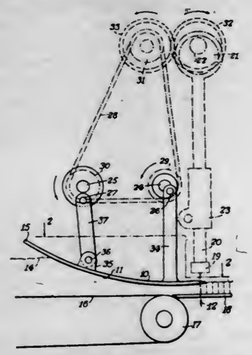
1. In combination with a steam generator having a combustion chamber with side walls and a flat bottom wall, means in the upper part of said combustion chamber for supplying pulverized coal for combustion in said chamber, said combustion chamber having a combustion gas discharge outlet at the lower part thereof, said bottom wall providing an ash collecting space for collecting the noncombustible ash released by the combustion of said coal, and means for removing from said steam generator the noncombustible ash released by the combustion of said coal and falling from the combustion gases, said ash removing means including nozzles spaced along said side walls for supplying air in a plurality of high velocity jets for agitating the falling ash particles whereby said ash particles are elevated from the bottom wall and entrained in the stream of gases generated in said combustion chamber for delivery from said steam generator with the combustion gases.

2,364,045
KERF CUTTING APPARATUS
Clyde P. Baldwin, Claremont, N. H., and Harry H. Vanderzee, Michigan City, Ind., assignors to Sullivan Machinery Company, a corporation of Massachusetts
Application September 30, 1941, Serial No. 413,010
3 Claims. (Cl. 262—30)

1. A kerf cutting apparatus comprising, in combination, a hanger frame providing a guideway, a cutter bar, a member carrying said cutter bar and guided on said guideway for adjustment relative to said frame in a direction lengthwise of said bar, means for rigidly securing said bar to said adjustable member for adjustment therewith, a sliding interlocking connection between said frame and said member for reducing the transmission of lateral stresses to said guideway while permitting adjustment of said member, said interlocking connection being effective irrespective of the adjusted position of said member on said guideway, and a rigid interlocking connection extending in parallelism with said sliding connection and disposed between said bar and said member for reducing the transmission of lateral stresses to said securing means.



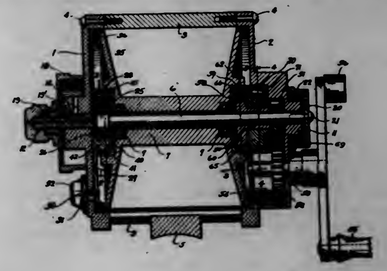
2,364,046
FEEDING DEVICE FOR SEWING MACHINES AND THE LIKE
Leslie Mark Ballamy, Caterham-on-Hill, and Richard Hasell Sheepshanks, Eyke, Woodbridge, England
Application May 11, 1942, Serial No. 442,574
In Great Britain July 11, 1941
7 Claims. (Cl. 112—215)



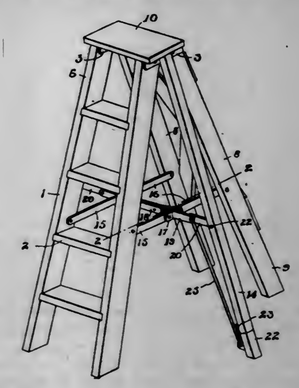
1. Means for feeding loose fibrous material to a sewing machine, including a plate extending in advance of the sewing machine needle and forming a pressure foot to overlie and cooperate throughout its length with the material, a crank and link device connected with that part of the plate remote from the needle for alternately raising and lowering said remote part of the plate, and a continuously rotating crank device driven in common with the crank and link device and connected rigidly with that part of the plate adjacent the needle so that said adjacent part of the plate executes an up and down movement and simultaneously moves towards and away from the needle.

2,364,047
LINE REELING DEVICE
Donis M. Bardon, Seattle, Wash.
Application October 30, 1942, Serial No. 463,863
5 Claims. (Cl. 242—84.5)

1. A line reeling device comprising a frame, a reel mounting shaft held against rotation in the frame, a reel revolúble on the shaft, for the winding in or paying out of a line therefrom, a brake disk revoluble on the shaft and frictionally engageable with the frame to produce a braking tension, means for adjusting the braking tension as provided by the disk, an automatic clutch interposed between the reel and brake disk and operable to cause the disk to rotate with the reel on turning of the reel in one direction by the drawing out of a line therefrom and permitting the reel to run free of braking tension when turning in the other direction for winding a line thereonto, and winding gearing for the reel including a sleeve revoluble on the shaft, and an automatic clutch between the sleeve and reel rendered effective by driving the sleeve in line winding direction and which is automatically releasable on removal of the turning force and rotation of the reel by the pull on the line extending therefrom.

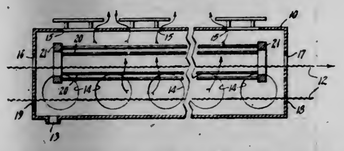


2,364,048
STEPLADDER
Isaac S. Barkey, Stouffville, Ontario, Canada
Application May 21, 1943, Serial No. 487,944
5 Claims. (Cl. 228—31)



1. A step ladder comprising, a top, front and back legs pivotally mounted on the underside of said top, paired links connected to said front and back legs intermediate of their height, a cross bar arranged between and pivotally connected to the inward ends of said paired links, jointed links connected to the ends of said cross bar and extending outwardly, braces pivotally secured to the underside of said ladder top and extending angularly downward and outwardly and having extensible lower ends, means pivotally connecting said jointed links to said braces intermediate of their length, and operable means connecting said jointed links and extensible ends.

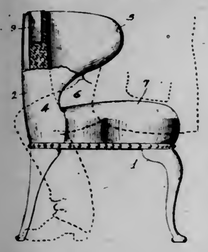
2,364,049
PROCESS FOR PRESERVING FOOD AND PRODUCT
Duryea Bensel, Los Angeles, Calif., assignor to Bensel-Brice Corporation, Los Angeles, Calif., a corporation of California
Application April 7, 1941, Serial No. 387,191
9 Claims. (Cl. 99—193)



1. The process of preserving vegetable food by freezing comprising the steps of drying the food until free surface moisture is removed, sealing the dried food in a vacuum within a sealed container, freezing the sealed package of food, and thereafter maintaining the frozen package of food at a temperature of less than 32° F. until it is to be prepared for consumption.

3. The process of preserving vegetable food comprising the steps of blanching the food, quickly cooling the blanched food, passing a current of dry air over the food until substantially all liquid surface moisture is removed therefrom, sterilizing the food with ultra-violet bactericidal radiations, placing the food in a flexible impervious container of heat-sealable sheet material, drawing a vacuum on said container, and hermetically heat-sealing said container on which the vacuum has been drawn, and then freezing said sealed package of food.

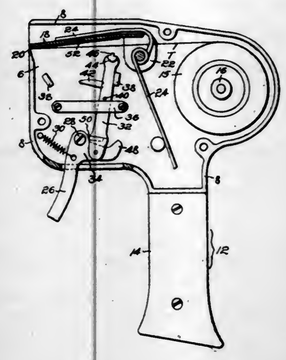
2,364,050
CHAIR
Herbert T. Benson, Berkeley, Calif.
Application August 9, 1943, Serial No. 498,137
2 Claims. (Cl. 155—1)



1. A new article of manufacture comprising a chair having an arcuate back having wings on the upper sides thereof with the lower edges of said wings arranged in spaced relation to a seat on said chair; and a substantially saddle-shaped seat arranged on said chair with the narrower portion of said saddle-shape at the rear thereof.

2,364,051
TAPE DISPENSER
Thomas W. Berridge, Woburn, Mass.
Application November 27, 1941, Serial No. 420,696
2 Claims. (Cl. 271—2.5)

1. A tape dispenser applicable for use with pressure-sensitive tape comprising a casing having means for supporting a roll of tape and remote therefrom adjacent the exterior of the casing an abutment to support a length of tape withdrawn from the roll and extended between the package and abutment and over which the end of the tape may be fed to the outside of the dispenser for severance and removal, the space between the roll and abutment being open and free of parts with which the lower face of the so extended tape may make contact, a support overlying said extending portion of the tape having an end portion yieldably pressed against said



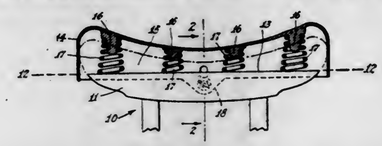
abutment to retain the tape end, a tape-engaging device normally spaced therefrom, and means for actuating the same through an orbital stroke in a portion of which it engages the lower portion of the tape to press it against the support remote from the abutment and lifts the former from the latter and then traverses along the raised support to the vicinity of the abutment to feed the tape therealong and retracts from the support to reposition the parts.

2,364,052
VULCANIZATION OF RUBBER
Frederick C. Bersworth, Verona, N. J., and Morris Omansky, Brookline, Mass., assignors, by direct and mesne assignments, to The Martin Dennis Company, Newark, N. J., a corporation of New Jersey
No Drawing. Application November 22, 1941, Serial No. 420,100
7 Claims. (Cl. 260—793)

1. The process which comprises mixing together, to form a vulcanizable rubber product, natural rubber, an organic accelerator containing no free amino groups, and an amount of an alkylene polyamine which is between about 50% and about 500% in excess of that required to activate said accelerator, said accelerator being present in an amount which is in the order of that normally used with said rubber for preparing conventional vulcanized rubber products, said amine being present in an amount not more than about 3 parts per hundred parts of rubber, by weight.

2,364,053
CRUTCH
James Bourne, Mount Vernon, N. Y.
Application November 23, 1943, Serial No. 511,407
5 Claims. (Cl. 135—52)

2. An attachment for the head member of a crutch, comprising a hollow saddle member having centrally disposed vertical slots at opposite sides thereof for pivotally and slidably attaching said saddle member to the sides of said head member in overlapping relation thereto, and spring means mounted within the saddle member

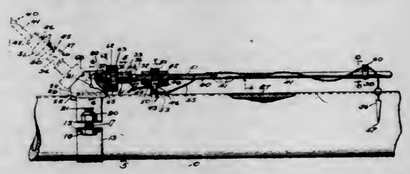


between said slots for yieldably supporting the saddle member on the head member for the purpose set forth.

2,364,054
REGULATION OF PLANT GROWTH
George S. Avery, Jr., New London, Conn., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application September 23, 1940, Serial No. 358,040
2 Claims. (Cl. 47—58)

1. In a method for extending the dormant period of trees, normally blossoming and foliating at such a time as to be injured by frost and killing temperatures, the step of applying to the dormant tree a spray comprising a relatively small amount of phenoxyacetic acid.

2,364,055
SIGHT
Pierre F. Berry, United States Army, New York, N. Y.
Application January 8, 1944, Serial No. 517,520
10 Claims. (Cl. 33—215)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

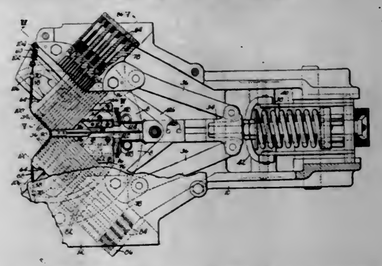


1. A mortar sight including a suspending element adapted to be supported by the mortar barrel, an indicating element suspended for free movement from a point along the suspending element and adapted to gravitate to a position of rest where the lower terminal of the indicating element is located at a point in positional relation with respect to the mortar barrel, and a scale calibrated to indicate by its relation to an element of the sight the angle of elevation of the mortar barrel when the lower terminal of the indicating element is in predetermined positional relation to the mortar barrel.

2,364,056
INDENYL ISOPHORONE
Herman A. Bruson, Philadelphia, Pa., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application August 21, 1943, Serial No. 499,518
3 Claims. (Cl. 260—590)

1. As a new compound, indenyl isophorone, said compound when pure consisting of colorless crystals melting at 90°–91° C.

2,364,057
LASTING MACHINE
Philip E. Burby, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application October 5, 1943, Serial No. 505,023
58 Claims. (Cl. 12—14)



1. In a lasting machine, end-lasting means for wiping an upper about an end of a last heightwise of the last and then inwardly over a sole on the last, said end-lasting means comprising two groups of lasting members with the members of each group arranged in a series lengthwise of the edge of the shoe bottom and relatively movable rectilinearly in the lasting operation to conform to the contour of the upper in wiping it heightwise of the last, and two holders supporting said groups of members respectively and movable relatively to each other with the members thereon to effect the wiping of the upper inwardly over the sole.

2,364,058
LIQUID DISTRIBUTION
Robert E. Burk, Cleveland Heights, and Martval J. Hartig, Cleveland, Ohio, assignors to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio
Application October 13, 1941, Serial No. 414,820
14 Claims. (Cl. 137—78)

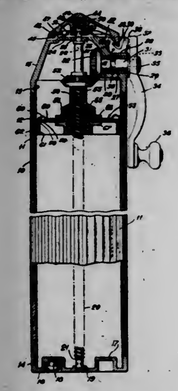


10. Liquid distributing means, which comprises a liquid receiving surface sufficiently rough to provide capillary thinning and spread and flow of the liquid, and extension strips to which said rough receiving surface leads for diverting respective streams to desired points of discharge.

2,364,059
SPRAY DEVICE
Edward F. Delfoe and John M. Williams, Brooklyn, N. Y.
Application May 27, 1942, Serial No. 444,757
6 Claims. (Cl. 299—93)

1. A spray device comprising an elongated cylinder, a cap closing one end of the cylinder, a screw shaft arranged longitudinally of the axis of said cylinder, a plunger in threaded engagement with said shaft and movable longitudinally of the cylinder in the rotation of said shaft, means comprising a crank mounted in said cap for rotating said shaft, said shaft being tubular in form and having a nozzle discharge opening through said cap, a cover pivoted to the cap and engaging the nozzle discharge for sealing said

discharge, a spring for automatically moving the cover into open position, a pawl device on the cap and operatively engaging said cover to support the cover in closed position against the action of said spring, means on said crank operatively engaging the pawl device to release said



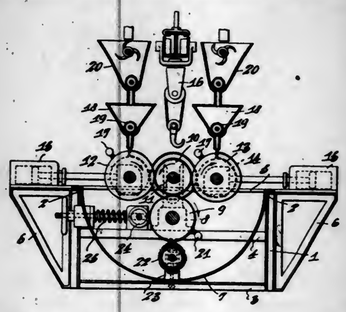
cover automatically upon rotation of the crank to discharge the contents of said cylinder, said cylinder comprising an inner straight wall tube and an outer tube having terminal ends projecting beyond the outer tube, said cap engaging one of said terminal ends, and another closure cap engaging the other terminal end.

2,364,060
METHOD OF VITAMINIZING FERMENTED BEVERAGES
Marvin W. Ditto and William P. Torrington, New York, N. Y., assignors to Emulsions Process Corporation, New York, N. Y., a corporation of Delaware
Application May 7, 1941, Serial No. 392,360
9 Claims. (Cl. 99—11)

1. In a method of producing a fermented malt beverage, separating green fermented beverage from residue yeast, removing from said residue yeast, hop seeds, leaves, and other impurities which would tend to create turbidity and off taste in the finished beverage, mixing the thus purified yeast with a portion of the green beverage, substantially completely saturating such mixture with CO_2, heating the carbonated mixture and subjecting it to high CO_2 pressure, then suddenly releasing the pressure and thereby causing the yeast cells to be ruptured, separating the CO_2 and water vapor from the liquid mass, separating a liquid fraction from the remainder of the liquid mass, and commingling said liquid fraction with a fermented malt beverage.

2,364,061
MACHINE FOR PRODUCING PIPES
John Ferla, Camden, N. J., assignor of one-fourth to Paul X. Blaettler, Oaklyn, N. J.
Application July 17, 1939, Serial No. 284,987
25 Claims. (Cl. 25—30)

1. In a pipe producing machine, the combination of a mandrel adapted to receive cementitious material thereon to form a pipe with a bell collar, of a calender roll coacting with said mandrel, said calender roll having a body portion adapted to bear against the mandrel, and having a peripheral portion movable relative to said body portion and adapted to shape the bell collar of the pipe, and a packing interposed between said movable peripheral portion and the body portion ad-



jacent the periphery thereof to prevent adhesion by the entry of cementitious material therebetween.

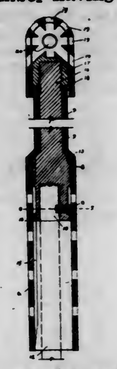
2,364,062
BUTTON AND BUTTONHOLE TAPE
Nathan I. Fleischer, Cincinnati, Ohio, assignor to The Fleischer Mills, Inc., Cincinnati, Ohio, a corporation of Ohio
Application August 15, 1942, Serial No. 454,913
4 Claims. (Cl. 2—265)



1. As a new article of manufacture, complementary button and buttohole tapes, said button tape comprising a long narrow length of fabric folded whereby to provide a three ply thickness and having a row of buttons secured thereto by stitching, said buttonhole tape comprising a length of fabric folded lengthwise to provide a three ply thickness and a length of thick, resilient material secured thereto, the thickness of said material being of such a dimension as to at least equal the thickness of a button carried by the complementary button tape, said material being provided with a row of button holes, one for and in alignment with each button of said button tape, said button adapted to become embedded within the body of said material flush with one surface thereof and without deformation of the other surface whereby the presence of such buttons is substantially concealed from view when the buttons engage their respective buttonholes for connecting the two tapes.

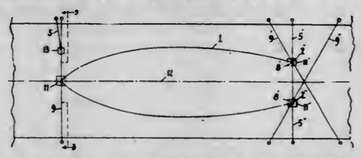
2,364,063
HOLDER FOR WELDING ELECTRODES
James Forman and Andrew D. Clyburn, New Orleans, La.
Application December 21, 1942, Serial No. 469,772
5 Claims. (Cl. 219—8)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

5. A holder for electric welding rods, said holder comprising a tubular member of insulating material, a member of conducting material mounted within said tubular member, a cap member of conducting material mounted on an end of said conducting member extending beyond said tubular member, each of said members engaging both of the other two of said members to provide a rigid assembly of the three members, said cap having a plurality of intersecting sockets, each socket being adapted to receive an end of a welding rod, and a member having threaded engage-



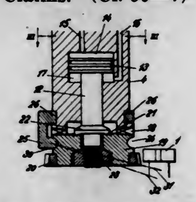
ment with said cap member and adapted to clamp a welding rod therein by engagement with the rod at the intersection of said sockets.

2,364,064
CENTERING DEVICE
John P. Francesco, Haverhill, Mass.
Application March 27, 1943, Serial No. 480,879
2 Claims. (Cl. 33—46)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



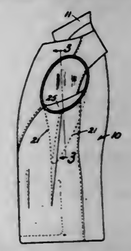
1. A ship centering device for drydocks comprising a line stretched across the drydock at either end of the ship having a plumb bob hung at a fixed point thereon adjacent the position of the ship to be sighted when the ship's keel is properly aligned over the keel line pier blocks, a sight line having one end thereof tied to the plumb bob, the other end of said sight line being passed under a pulley located directly under said plumb bob and then to the top of the drydock for fastening thereto.

2,364,065
GEAR SHAPING MACHINE
Georg Gert Frederichs, Kassel-Brasselsberg, Germany; vested in the Alien Property Custodian
Application May 8, 1941, Serial No. 392,532
In Germany December 12, 1939
2 Claims. (Cl. 90—7)



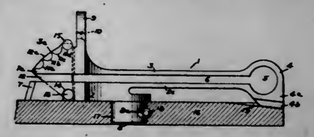
2. In a shaping machine, a spindle, a gear cutter actuated by said spindle, means for moving said spindle and cutter along the longitudinal axis of the spindle, means for rotating the spindle and cutter about the longitudinal axis of the spindle, and hydraulic means disposed within said spindle for displacing said cutter relative to said spindle, said hydraulic means comprising a piston mounted within said spindle, and means securing said cutter to said piston.

2,364,066
COAT
Jerome Giuseffi, Cincinnati, Ohio, assignor to The Goodall Worsted Company, Sanford, Maine, a corporation of Maine
Application July 17, 1943, Serial No. 495,108
5 Claims. (Cl. 2—93)



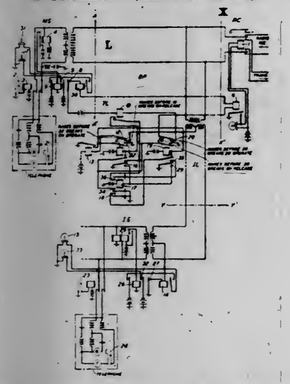
1. A coat comprising an armhole and provided with a sleeve formed with an under-arm extension at the top of the sleeve, the extension being folded downwardly from the upper end of the sleeve to form an outer ply and then upwardly upon itself below the armhole to form an inner ply disposed adjacent and secured along its lateral edges to the body of the coat and along its top edge to the lower portion of the armhole, said outer ply having its edges attached to the body of the coat, the top portion of the outer ply normally projecting above the lower part of the armhole and free relative thereto whereby upon raising of the arm said outer ply hinges outwardly relative to the body of the coat for obviating lifting and distortion of the latter.

2,364,067
REAR SIGHT FOR FIREARMS
Vail W. Grant, Springfield, Mass.
Application July 29, 1942, Serial No. 452,767
10 Claims. (Cl. 33—56)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



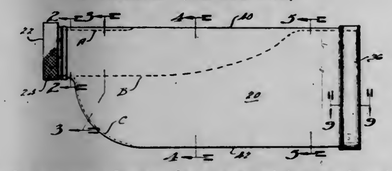
1. A firearm sight comprising a U-shaped unitary resilient member having a first arm adapted to be horizontally secured to a firearm and a second arm overlying said first arm, sight means supported on the free end of said second arm, a vertical lug on said second arm adjacent the free end thereof and having a plurality of notches at different distances from the first arm, and latch means pivotally secured to the first arm and engaging a selected one of said notches to hold said second arm against the spring tension of said resilient member whereby the sight means may be adjusted to a selected elevation with respect to the firearm.

2,364,068
REMOTE CONTROL SYSTEM
Frank C. Griese, Plainfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 25, 1942, Serial No. 456,002
4 Claims. (Cl. 175—320)



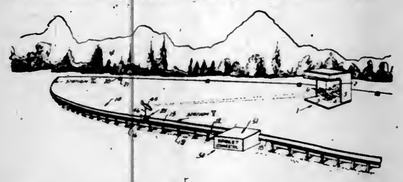
1. In a switching system, an originating station, a terminal station, a closed loop circuit therebetween, switching means at the originating station for opening said loop circuit thereat, a third station, a second closed loop circuit extending from said third station to a point in said first loop intermediate said originating and terminal stations, switching means at the third station for opening said second loop thereat, switching means responsive to opening and closing said first loop at the originating station to open and close said second loop and other switching means responsive to opening and closing said second loop at the third station to open and close the first loop.

2,364,069
VACUUM CLEANER BAG
Paul T. Hahn, Detroit, Mich., assignor to Eureka Vacuum Cleaner Company, Detroit, Mich., a corporation of Michigan
Application August 27, 1943, Serial No. 500,282
8 Claims. (Cl. 183—51)



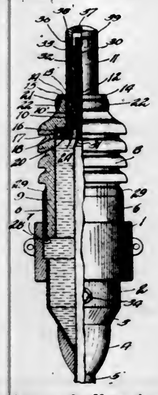
6. A vacuum cleaner bag comprising a plurality of dirt collecting pockets formed of a single piece of air filtering material, said piece being folded to provide a plurality of plies, said plies at the ends of said piece being joined so as to provide a chimney which at one end of the bag is adapted to be connected to the discharge outlet of a vacuum cleaner, said chimney being arranged between said pockets, the other end of said chimney having an outlet through which dirt laden air flows to said pockets, other plies of said material being folded and joined to form said pockets, each of said pockets having certain plies of said material facing each other and exposed so as to permit the escape of air therethrough to atmosphere, said pockets being provided with a common normally closed dirt discharge outlet.

2,364,070
AERIAL GUNNERY TRAINER
James E. Haile, Jr., Cedartown, Ga.
Application July 30, 1943, Serial No. 496,694
9 Claims. (Cl. 35—25)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In an aerial gunnery instructing device of the character wherein a grounded platform forming a fixed machine gun support is tiltable and rotatable through the actuation of power control means by a student seated on the platform to simulate the flight attitudes of an airplane, and the machine guns are adapted to be fired under control of the student at a moving target remote from the gun platform, the improvement which comprises a curved track positioned within the zone of fire of the gun on said platform, the curve of the track being such that the radial distance of each point on the track from the axis of rotation of said platform represents in a fixed scale the corresponding distance in the ground pattern of an assumed fighter airplane quarter and beam attach on a target airplane, a target supported for movement on said track, means for propelling said target at a variable velocity along the track corresponding in a predetermined scale to the relative velocity of the assumed attacking and target airplanes, and means for varying the orientation of the target with respect to the line of fire from said gun platform as the target moves in a given direction along the track to thereby represent the corresponding change in bearing of the assumed target airplane with respect to the assumed attacking airplane.

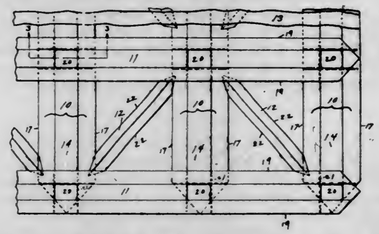
2,364,071
TERMINATOR
Weldon O. Hampton, Chicago, Ill., assignor to The Delta Star Electric Company, Chicago, Ill., a corporation of Illinois
Application February 28, 1941, Serial No. 381,010
7 Claims. (Cl. 174—75)



1. In combination, a hollow insulator having a stud receiving opening, a metal member overlying the insulator and surrounding the opening, a tubular stud extending through the member into the insulator and having a shoulder bearing against the outer side of the member, and a sealing joint between the member and the shoulder, the inner end of the stud being flared and held by the inner side of the insulator to secure the stud against retraction from the insulator.

4. Electrical apparatus comprising a hollow insulator open at both ends, a hollow terminal stud closing one end of the insulator, a metallic seal joining the stud to the insulator and fused to the insulator, a cable conductor extending into the insulator at the opposite end thereof and secured thereto and subject to alternate forces tending to move the cable conductor longitudinally in the insulator, electric connecting means between the conductor and interior of the terminal stud, said connecting means including an expansion joint for taking up expansion and contraction of the conductor and thus preventing the forces on the cable from producing alternate stresses in the fused metal joint, and means at that end of the stud which is on the outside of the insulator for obtaining access to the interior of the hollow stud to facilitate making of the electric connections between the stud and the cable conductor.

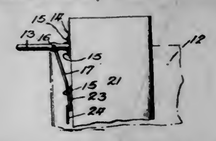
2,364,072
BUOYANT STRUCTURE
Amer L. Houghtaling, Portland, Oreg., assignor of fifteen per cent to Helen G. De Neffe and fifteen per cent to Frederick M. De Neffe, both of Portland, Oreg.
Application February 25, 1942, Serial No. 432,227
1 Claim. (Cl. 114—43.5)



A wave damping cribbing consisting of a plurality of tiers of vertically and horizontally spaced, longitudinal and transverse buoyant members, of which the members of one tier are normal to the members of the adjacent tiers, characterized by having the transverse sections of said members of streamline form for the purpose of parting the flow of water against the side of the structure and deflecting it upwardly and downwardly, streamline diagonal braces between said longitudinal and transverse members for stiffening the structure and deflecting the water current laterally and vertically and a deck over said cribbing.

2,364,073
FOLDING HANDLE FOR CONTAINERS
Styles T. Howard, Jeffersonville, Ind.
Application October 3, 1941, Serial No. 413,454
2 Claims. (Cl. 220—94)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

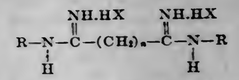
1. In combination, a container, a handle pivotally secured to the container, a member secured to the container in spaced relation to the handle and having an elongated eye which is disposed lengthwise in directions toward and away from the handle, a link pivotally secured to the handle and having an angularly-disposed portion extending transversely through the eye



and bodily slidable lengthwise of the eye towards and away from the handle and adapted to engage the inner terminal of the eye to limit the pivotal movement of the handle to a position in which it extends laterally from the container.

2,364,074
CARBONAMIDINE DERIVATIVES
Madison Hunt, Claymont, and James E. Kirby, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 13, 1942, Serial No. 461,890
3 Claims. (Cl. 260—564)

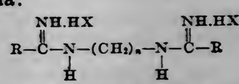
1. Compounds having the following general formula:



wherein R is a member selected from the group consisting of monovalent straight chain, saturated aliphatic hydrocarbon radicals of ten to eighteen carbon atoms; n is an integer from six to ten; and X is an anion of a strong inorganic acid having a dissociation constant greater than 1×10^{-3}.

2,364,075
DISINFECTANT COMPOUNDS
Madison Hunt, Claymont, and James E. Kirby, Wilmington, Del., and John F. Lontz, Gadsden, Ala., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 15, 1942, Serial No. 462,090
4 Claims. (Cl. 260—564)

4. A new compound having the following general formula:

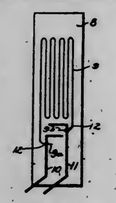


wherein R is a member selected from the class consisting of monovalent, straight chain, saturated, aliphatic hydrocarbon radicals of ten to eighteen carbon atoms; n is an integer from six to ten; and X is an anion of an acid having a dissociation constant greater than 1×10^{-11}.

2,364,076
STRAIN GAUGE CONNECTION
Stanley R. Jordan, Dayton, Ohio
Application August 14, 1943, Serial No. 498,644
2 Claims. (Cl. 201—63)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In the art of making electrical strain gauges comprising a continuous solid filament of exten-

sible and contractible electrical conducting material whose resistance varies proportionately to said extension and contraction, and a support for said filament adhesively bonded to said filament throughout its effective length, whereby deformations of a stressed body to which the support is attached are transmitted through the support to the filament, that improvement which consists



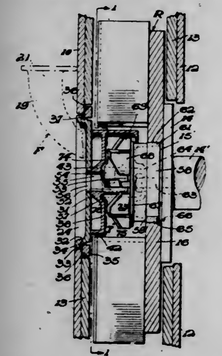
in bending the two ends of the filament either inwardly or outwardly substantially at right angles to the longitudinal axis of the strain gauge and cementing said bent ends to the support, and electrically bonding two leads to the bent ends and also cementing those portions of the leads which are adjacent the bonds to the support.

2,364,077

ABRADING APPARATUS

Walter L. Keefer, Hagerstown, Md., assignor to Pangborn Corporation, Hagerstown, Md., a corporation of Maryland

Application October 25, 1941, Serial No. 416,577
18 Claims. (Cl. 51—9)



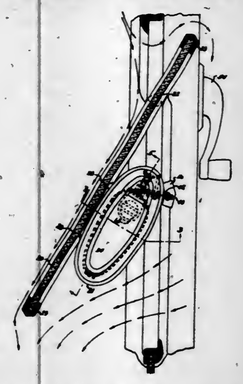
15. In abrading apparatus, a rotor including a plurality of propeller blades terminating inwardly short of the axis of the rotor, an impeller rotatable with said rotor arranged between the inner ends of said propeller blades including a plurality of radially arranged vanes having free lateral edges, a stationary arcuate shaped guard having a circumferential length of less than one-half the circumference of the impeller mounted between the path described by the inner ends of said propeller blades and the path described by the outer ends of said impeller vanes, and a feed spout terminating adjacent the free lateral edges of said impeller vanes having a discharge opening in the terminal end located within a sector defined by the circumferential ends of said guard and at a position radially displaced from the axis of the impeller for supplying abrasive axially over the free lateral edges of the impeller vanes and onto outer end portions of the impeller vanes whereby the abrasive is discharged from the impeller vanes adjacent an end of said guard.

2,364,078

CIGARETTE TRAY

John M. Kisselle, Detroit, and Charles E. McCormick, Dearborn, Mich.

Application September 18, 1941, Serial No. 411,437
9 Claims. (Cl. 206—19.5)



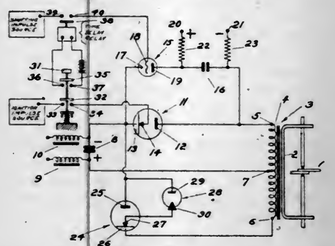
1. In a vehicle, a "no-draft" ventilator window of the type pivoted between its ends, having a portion which moves out from the body of the car when the window is open, and an ash receiving and dumping mechanism comprising an elongated housing mounted along the outwardly moving portion of said window, and means movably mounted on said housing adapted to retain ashes within said housing in one position and movable to dump ashes from said housing, and cooperating means operatively associated with said movably mounted means and a member fixed to said vehicle adjacent the opening of said window, and adapted to operate in response to the opening of said window to shift the movably mounted means to dump position.

2,364,079

CONDENSER WELDING SYSTEM

Hans Klemperer, Belmont, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware

Application April 15, 1943, Serial No. 483,149
9 Claims. (Cl. 320—1)



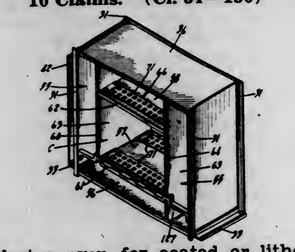
1. An electrical system comprising a condenser, means for charging said condenser, a load circuit, means for discharging said condenser through said load circuit, means to terminate the flow of current from said condenser through said load circuit prior to the complete discharge of said condenser, and means to return the remaining energy of said load circuit back to said condenser in the same polarity as said charging means.

2,364,080

DRYING OVEN

Orlin O. Kruse, Oak Park, Ill., assignor to American Can Company, New York, N. Y., a corporation of New Jersey

Application July 6, 1942, Serial No. 449,940
10 Claims. (Cl. 34—150)



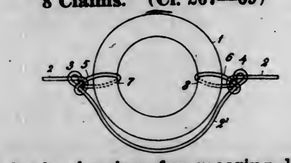
3. A drying oven for coated or lithographed metal sheets, comprising in combination a sectional casing enclosing a chamber, a conveyor for carrying lithographed sheets through said chamber, inner walls located within said casing in spaced relation to its outer walls and setting off side, bottom and ceiling passageways surrounding the chamber space through which said conveyor and its sheets travel, said bottom inner walls and said ceiling inner walls being perforated for the circulation of air therethrough, a heating duct connecting with said ceiling passageway and having side branches connecting with said side passageways, means in said duct for circulating heated air through said side and bottom passageways and thence upwardly between the sheets moving through the chamber and for returning the air to said duct by way of said ceiling passageway for re-circulation purposes, and means for blocking off opposite sides of alternate sections of said casing for staggering the flow of heated air therethrough to produce a more complete circulation of the air.

2,364,081

PROTECTIVE SPRING FOR BOATS AND SMALL CRAFT

Gustaf Paul Lambert, Stockholm, Sweden

Application June 6, 1939, Serial No. 277,585
In Sweden June 10, 1938
8 Claims. (Cl. 267—69)



1. A shock absorber for mooring lines comprising a substantially flat ring of rubber and pulling loops embracing the inner edge of the ring, the cross section of the ring being wider radially than transversely so as to cause the ring, upon being pulled, first to be bent from its inner edge outwardly at the points of engagement of the loops and then to be stretched.

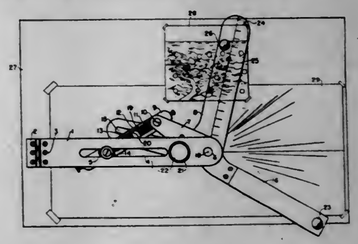
2,364,082

MAP MAKING FROM AERIAL PHOTOGRAPHS

James G. Lewis, Falls Church, Va.

Application March 1, 1944, Serial No. 524,567
5 Claims. (Cl. 33—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a photogrammetric instrument for the rectification of nadir radials from oblique aerial photographs, the combination of means for supporting an oblique aerial photograph and a mapping sheet in laterally-displaced plane-parallel relationship with a centering device whose axis is normal to the plane in which said photograph and mapping sheet are supported, means including a longitudinal guide-way for supporting said centering device relative to said photograph support while permitting it to be raised away therefrom; a sensing member supported by said centering device for pivotal movement coaxial therewith, said sensing member having a longitudinal guideway thereon radially displaced from said centering device; means including an index line



and gradations carried by said member for orienting said member over the photograph relative thereto, an indicating element supported by said centering device for pivotal movement coaxial therewith, said element being adapted for orientation over said mapping sheet and relative thereto, a longitudinally slotted link having pivotal engagement with said element and sliding pivotal engagement with said supporting guide-way, the length of said link being equal to the distance along said element between its link connection and the centering device, a guide pin in sliding engagement with said link slot and said member-guide-way, and means for at will varying the position of said guide pin relative to said link.

2,364,083

PREFABRICATED STRUCTURE FOR CONTAINERS AND THE LIKE

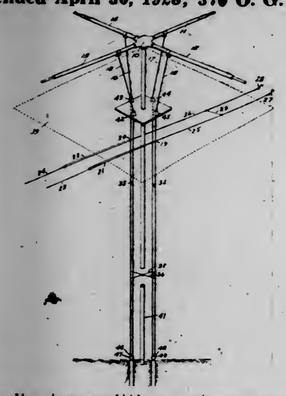
Harvey B. Lindsay, Evanston, Ill., assignor to Lindsay & Lindsay, Chicago, Ill., a partnership

Application June 7, 1943, Serial No. 489,888
11 Claims. (Cl. 189—34)



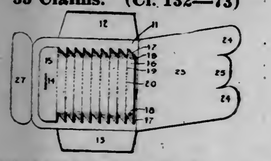
1. A composite structure comprising panel sheets and frame members, the frame members having longitudinal grooves formed therealong of generally acute angular cross-section, each of said grooves on the edge farthest from the intended position of the panel having an overhanging shoulder therealong and each of said panel sheets being provided with two acute-angled flanges formed along their margins, having wedge-fitting engagement in said groove, with the free outer edge of the outer flange abutting said shoulder.

2,364,084
DIRECTIVE ANTENNA SYSTEM
Albert D. Martin, Jr., Washington, D. C.
Application August 6, 1941, Serial No. 405,676
12 Claims. (Cl. 250—11)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



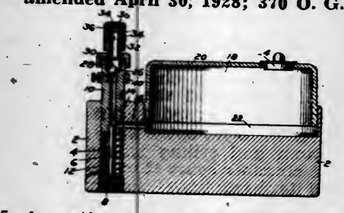
1. A radio transmitting antenna comprising two straight radiating elements disposed in angular relationship; means including matched impedance transmission lines for feeding said elements with radio frequency currents electrically different in phase to effect a rotation of the resultant radiated field; and reflecting means positioned to confine said field primarily along the normal to said radiating elements.

2,364,085
TOILET DEVICE AND METHOD OF PRODUCING SAID DEVICE
Anthony Martinek, Allentown, Pa.
Application August 14, 1941, Serial No. 406,860
33 Claims. (Cl. 132—73)



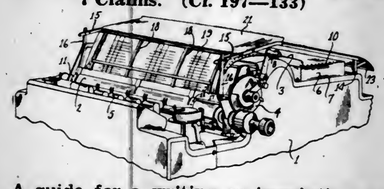
4. A toilet accessory made from rectangular sheet material, said material having three portions, a cleaner portion, a back portion and a cover portion, said cleaner portion being formed into a plurality of cleaners each much longer than wide, each of which includes two pointed ends extending outwardly from opposite sides of said material and is joined by parallel lines of cleavage extending from each end of each base of each of said points across said material to an oppositely disposed base of a corresponding point, said cleaner portion being disposed between said cover and back portions and parallel and adjacent to said back portion and being joined to said back portion adjacent an edge thereof which is parallel to said lines of cleavage, said cover portion being foldable against said back portion upon a hinge-line which likewise is parallel to said lines of cleavage and to said edge of said cleaner portion which is attached to said back portion and the distance between said hinge-line and the edge of said back to which said cleaner portion is attached being greater than the distance between said opposite sides of said cleaner portion other than those which are formed into points, whereby when said cover portion is folded against said cleaner portion and said back portion said cleaner portion including said points is protected and when said back portion is rotated upon said hinge-line in the opposite direction said points are rendered accessible for use, such construction supporting said cleaners by their long sides thus making possible the use of both of said points of each of said cleaners before such used cleaner is detached.

2,364,086
COATING APPARATUS
Leo Meister, Irvington, N. J.
Application August 31, 1942, Serial No. 456,756
5 Claims. (Cl. 91—39)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



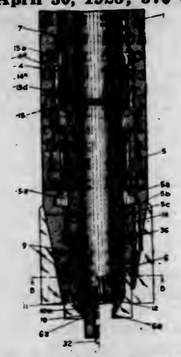
5. A coating machine comprising a reservoir for a coating substance, a support for the reservoir having a cavity therein adjacent the reservoir, and a coating supply conduit connecting said reservoir and cavity, a spring backed hollow cylinder reciprocable in said cavity and having a port normally in registry with said conduit, and a stationary piston in said cavity and working in the cylinder and adapted to eject coating substance from the cylinder upon the downward movement thereof.

2,364,087
PAPER GUIDE
Albert W. Metzner, Dayton, Ohio, assignor to The Standard Register Company, Dayton, Ohio, a corporation of Ohio
Application May 28, 1941, Serial No. 395,631
7 Claims. (Cl. 197—133)



1. A guide for a writing or imprinting apparatus wherein a continuous strip of record material is advanced about a platen roll and past a record receiving position, comprising an upwardly and rearwardly inclined portion disposed in substantially tangential relation with the platen roll and a pivotally connected rearwardly extending continuation thereof disposed in elevated bridging relation with the supply of incoming record material, said guide including a pair of oppositely extending retainer members pivotally connected to the initial upwardly and rearwardly inclined portion of the guide and disposed in overlying spaced relation therewith beneath which the inscribed portion of the record material is advanced, and support means for said structure, the construction and arrangement being such that a portion of the underlying record material is exposed to view through one of said retainer members.

2,364,088
CORE DRILLING
Harold C. Miller, Oakland, Calif., and William B. Berwald, Tulsa, and David Ben Taliaferro, Jr., Bartlesville, Okla., assignors to The Government of the United States of America, as represented by the Secretary of the Interior
Application July 31, 1940, Serial No. 348,736
25 Claims. (Cl. 255—72)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A drill hole sampler, comprising a core-cutter adapted to cut a cylindrical core of a predetermined diameter, an inner core-receiving chamber associated therewith of a diameter to just freely receive the cut core and adapted to be substantially filled thereby to the exclusion of any substantial volume of drilling mud, means carried by said inner core receiving chamber and operable to hermetically seal its upper end before withdrawal of the sampler from the drill-hole, and means carried by said inner core-receiving chamber and operable to hermetically seal its lower end before withdrawal of the sampler from the drill-hole.

2,364,089
CYCLIZED RUBBER-UNSATURATED CARBONYL COMPOUND REACTION PRODUCTS
James A. Mitchell, Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 20, 1941, Serial No. 394,306
9 Claims. (Cl. 260—734)

1. A condensation product consisting of cyclized rubber reacted with maleic anhydride.

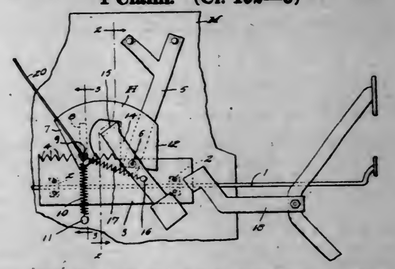
2,364,090
PURIFYING RESINS
Adriaan Nagelvoort, Salt Lake City, Utah
No Drawing. Application February 23, 1942, Serial No. 432,087
2 Claims. (Cl. 260—107)

1. In methods of purifying crude fossil resins of the type found in Utah coal, which resins are contaminated with asphalts and waxes, the improvement which comprises dissolving the crude resin in a solvent comprising a petroleum naphtha of boiling point range 35 to 60° C., admixing with said solution ethyl alcohol in amount such as to cause substantially complete precipitation of the asphalts, separating the asphalts, subjecting the solution to evaporation until resins of high melting point are precipitated, and separating the precipitated resins leaving the waxes in solution.

2,364,091
RECOVERING RESINS FROM COAL
Adriaan Nagelvoort, Salt Lake City, Utah
No Drawing. Application August 11, 1942, Serial No. 454,463
2 Claims. (Cl. 209—6)

1. In recovering resins from coal in which the resin exists as discrete inclusions, the method which comprises breaking down the coal to a lump size only small enough so that the resin inclusions are largely separated from the coal as granules of substantially smaller average size than the lumps of coal, tumbling the broken-down coal to cause the lumps to rub each other and dislodge the resin, mechanically separating a relatively small size fraction consisting mainly of resin granules and a relatively large size fraction consisting mainly of large coal lumps, and purifying the separated resin granules.

2,364,092
ACCELERATOR CONTROL
Jerome A. O'Connor, Council Bluffs, Iowa
Application May 13, 1943, Serial No. 486,865
1 Claim. (Cl. 192—3)



In combination with an accelerator rod and a brake pedal, a toothed plate fixed to the rod, a rock member supported adjacent to the plate and coacting with the teeth of the plate to hold the rod against movement in one direction, yieldable means for constantly urging such rock member toward the plate, a swinging arm supported adjacent to the plate for contact with the rock member to move the rock member free of the plate upon movement of the swinging arm in one direction, and a part carried by the brake pedal for contact with the swinging arm upon depression of the pedal to impart such movement to the swinging arm, said rock member being in the form of an inverted U, the swinging arm having contact with the inner edge of one of the legs of the rock member.

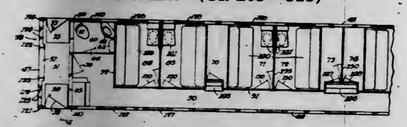
2,364,093
CHAIR CONSTRUCTION
John B. O'Connor, Aurora, Ill., assignor to Lyon Metal Products, Incorporated, Aurora, Ill., a corporation of Illinois
Application October 21, 1937, Serial No. 170,256
5 Claims. (Cl. 155—184)



3. A metal chair construction comprising a metal seat, said seat comprising a perforated sheet metal seat member, a facing pad assembly adapted to lie in superposed relation upon the sheet metal seat member to provide a seat sur-

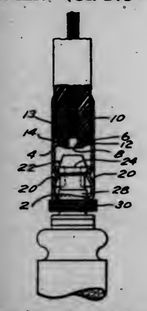
face therefor, said pad assembly comprising a sheet metal backing member of lighter gauge than the gauge of the sheet metal seat member, padding, and a covering of upholstery material enclosing the padding and secured along its marginal portions to the marginal portions of the backing member, the backing member of the facing pad assembly being cut away at its central portion whereby to provide a substantially marginal ring, and said ring being provided with perforations in alinement with the perforations of the sheet metal seat member, and removable attachment means adapted to be received by the perforations of the backing member and the sheet metal seat member whereby the facing pad assembly may be removably attached to the chair seat.

2,364,094
RAILWAY CAR
Peter Parke, Richard Cunningham, and Lewis A. Lutherman, Chicago, Ill., assignors to The Pullman Company, Chicago, Ill., a corporation of Illinois
Application May 16, 1941, Serial No. 393,790
17 Claims. (Cl. 105—315)



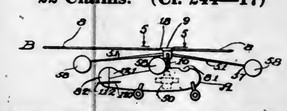
1. In a vehicle, a lower room, an upper room adjacent to the lower room and having its floor above the level of the lower room floor and entirely outside the vertical projection of the lower room, a convertible sofa-bed in the upper room placed within the vertical projection of the lower room and utilizing a portion only of the head room of the lower room, a convertible sofa-bed in the lower room under the sofa of the upper room and closely adjacent to the floor of the upper room, a closed storage space for the lower room underneath the floor of the upper room and behind the sofa-bed of the lower room, a storage space for the upper room directly above the lower room floor and adjacent to the upper room, and means providing access into the lower and upper room storage spaces from the lower and upper rooms respectively.

2,364,095
TERMINAL
Ernest G. J. Pederquist, Bloomfield, N. J.
Application September 30, 1943, Serial No. 504,344
7 Claims. (Cl. 173—269)



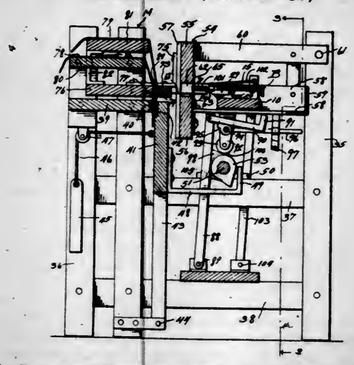
6. A spring snap terminal adapted to be sprung into engagement with the knobbed terminal post of a spark plug or similar part to which an electrical connection is to be made, said terminal having, in combination, a ferrule and a spring snap contact member connected to said ferrule and comprising a spring metal stamping designed and bent to form opposed resilient post-engaging side walls and an integral end wall connecting the side walls and provided with a post-receiving opening, the ends of said stamping being inturned and overlapped to form the other end of a resilient, substantially rectangular structure having the inner one of said overlaps rigidly connected to said ferrule in positively spaced relation thereto and having the other overlap provided with an opening through which said ferrule connection extends and which opening is sufficiently elongated in the direction of the springing movement of said side walls toward and away from each other to permit relative movement of said overlaps, together with said side walls, during the post-engaging and disengaging movements of the terminal.

2,364,096
HELICOPTER
Haviland H. Platt, New York, N. Y., assignor to Rotary Research Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application November 23, 1938, Serial No. 242,053
22 Claims. (Cl. 244—17)



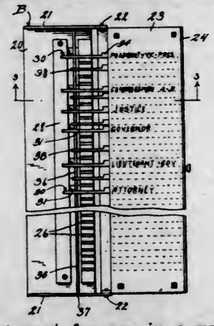
1. A lifting rotor including a hub, a hollow spindle extending generally radially from said hub, a variable-pitch blade pivotally attached to said hub and means for varying the pitch of said blade including, a plunger slidable in said hollow spindle, and mechanical means interconnecting said blade and said plunger for correlating the position of the plunger in the spindle with the pitch angle of the variable-pitch blade.

2,364,097
VOTING MACHINE
George D. Rathbun, Manhattan, Kans.
Application February 18, 1941, Serial No. 379,524
18 Claims. (Cl. 235—50)



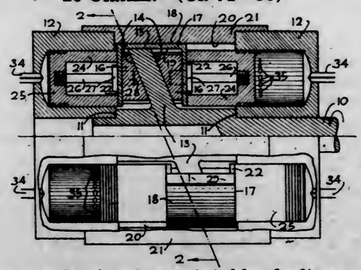
1. In a voting machine, means providing a support for a record strip of sufficient proportions to receive a record of all votes cast, a movable strip marker spaced from the strip and supported for movement into recording connection with the record strip, a ballot element having a candidate indicating finger movable into and out of candidate indicating position, said finger having a portion designed for cooperative connection with said marker, means for facilitating the movement of said element along a prescribed path relative to said marker to effect the connection of the finger with the marker to move the marker into marking and driving connection with the strip, means for moving the marker while in connection with the strip to advance the strip by said connection to a new position, and means for withdrawing the marker from connection with the record strip.

2,364,098
VOTING MACHINE BALLOT PART
George D. Rathbun, Manhattan, Kans.
Application November 24, 1942, Serial No. 466,766
15 Claims. (Cl. 235—50)



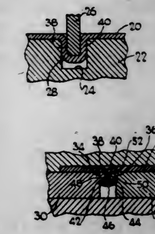
1. A ballot part for use in a voting machine employing a series of shiftable marking elements, comprising a body adapted to be shiftably supported in the machine for the advancement and retraction of one edge relative to said marking elements, a series of fixed office divider fingers secured to the body in spaced parallel relation and extending perpendicular to said edge, each finger having an end adjacent to the edge and said ends being in a line paralleling said edge for contact with marking elements, and a candidate indicator finger shiftably supported between each two adjacent office dividers to be moved between the dividers to a selected candidate designating position, said indicator finger when in a selected candidate indicating position having an end in the line of the ends of the divider fingers.

2,364,099
MECHANISM FOR THE INTERCONVERSION OF RECIPROCATING AND ROTARY MOTION
Zorro D. Ruben, Chicago, Ill.
Application December 30, 1942, Serial No. 470,679
16 Claims. (Cl. 74—56)



1. In combination, a rotatable shaft, an axial cam secured thereto, a piston parallel to the shaft, a fixed casing enclosing the axial cam; a movable yoke member attached to the piston and straddling the axial cam, said yoke comprising a cylindrical segment between the periphery of said axial cam and the casing, a pair of ears forming end faces on said yoke member; bearings between the ears and opposite faces of the axial cam, and cooperating guide surfaces on the yoke and on the casing for guiding the motion of the yoke, said guiding surface being located substantially on a plane which passes through the center of the bearings and is at right angles to a radius from the center of the shaft to the center of the bearings.

2,364,100
SLIDER FOR SLIDE FASTENERS AND METHOD FOR MAKING THE SAME
Abraham Savitzky, Bronx, N. Y., assignor to Marvel Slide Fastener Corporation, New York, N. Y., a corporation of New York
Application September 12, 1940, Serial No. 356,417
27 Claims. (Cl. 29—148)



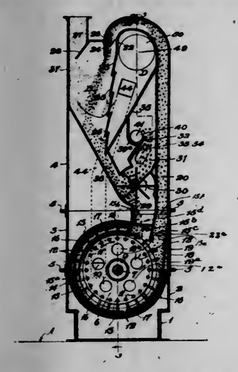
2. In a method of manufacturing a sheet metal slider for a slide fastener from a blank including a pair of wings interconnected by an integral neck, the steps comprising disposing said wings in relatively angular relationship, creasing said neck transversely of the planes of said wings and from one to the other of said angularly disposed wings to such an extent that the bottom of the formed crease near the front and back of said slider is below the adjacent edges of said wings, and then bending said wings into parallel superposed relationship.

11. A sheet metal slider for a slide fastener comprising a pair of parallel sheet metal wings interconnected by an integral sheet metal neck which has an elongated inwardly extending indentation therein whose longitudinal axis is transverse to the planes of said wings, said neck having an inwardly bowed arcuate cross-section in a plane parallel to the direction of travel of the slider and including the longitudinal axis of said indentation.

2,364,101
MILLING
Adolph G. Schurman, Baltimore, Md.
Original application November 4, 1937, Serial No. 172,815. Divided and this application August 12, 1941, Serial No. 406,539
9 Claims. (Cl. 83—94)

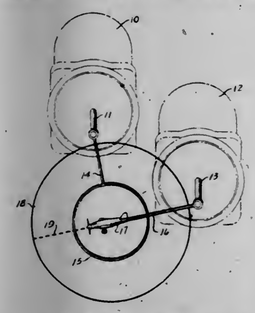
1. The method of pulverizing material comprising: continuously feeding material to be pulverized to a beating area defined by a path formed on one side by the locus of beating contacts with material being beaten and on the other side by a rebound wall, stripping the material being fed to said beating area of air, maintaining the material in an air stripped condition and simultaneously beating the material against said

wall, permitting the material to rebound from said wall and applying successive beater blows



with such rapidity as to keep the material in continuous motion to and from said wall and within the beating area, moving the material along said wall by beater action, continuously discharging the beaten material from said beating area.

2,364,102
AIRCRAFT FLIGHT INDICATOR
John W. Sessums, Jr., Washington, D. C.
Application November 16, 1943. Serial No. 510,525
2 Claims. (Cl. 73—178)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An aircraft flight indicator comprising an indicator dial, indicia on said dial representing a prescribed glide path for the aircraft, a substantially circular indicating element adapted for movement along said indicia in accordance with the air speed of the aircraft, said element being arranged to occupy a position midway along said indicia when the aircraft is traveling at a certain desired air speed, and an element in the form of a miniature aircraft adapted for movement in accordance with the rate of descent of the aircraft along a path lying substantially at right angles to said indicia and intersecting the latter at its midpoint, said last-named element being smaller in size than said circular indicating element and arranged to lie directly over said indicia when the rate of descent corresponds to a certain desired value, whereby the miniature aircraft element will lie on the indicia representing the prescribed glide path and in the center of the circular indicating element when the aircraft is traveling along the prescribed glide path at the proper speed.

2,364,103
RECOIL MECHANISM
Clarence E. Simpson, Springfield, Mass.
Application April 20, 1942, Serial No. 439,658
8 Claims. (Cl. 42—4)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

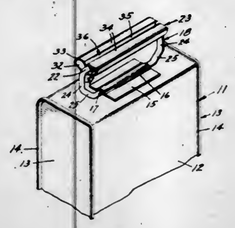


2. In a firearm having a recoiling barrel and a breech mechanism movable therewith, a recoil mechanism comprising a tube connected to the recoiling barrel of the firearm, resilient means surrounding said tube and arranged to oppose the rearward movement of said tube, a rod mounted for movement within said tube and having one end connected to the breech mechanism, and a spring surrounding said rod and arranged to oppose separation of the barrel and breech mechanism.

2,364,104
PROCESS FOR TREATING CRUDE PINE TARS
Wiley C. Smith, Arlington, Va., assignor to Claude R. Wickard, as Secretary of Agriculture of the United States of America, and to his successors in office
No Drawing. Application July 2, 1941, Serial No. 400,881
3 Claims. (Cl. 260—107)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A process for treating crude kiln pine tar in the production of a water-free refined product, which comprises adding to crude kiln pine tar an equal volume of a petroleum distillate distilling below 175° C., thence agitating the mass, thence separating the diluted tar from the water and other insoluble material present, thence distilling the diluted tar up to 170° C., thereby driving off the added solvent and dissolved water, and thence recovering the residue as a water-free refined product.

2,364,105
HANDLE
John E. Socke, Pelham Manor, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application July 25, 1942, Serial No. 452,373
2 Claims. (Cl. 220—94)

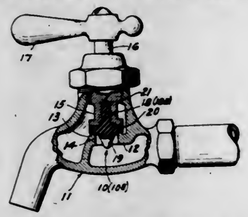


1. In a bail handle for containers, the combination of a tubular snap-on hand guard formed from sheet material, a bail secured to the container, said hand guard being formed with a longitudinal pocket for the reception of a section of said bail, said hand guard also having extended curved sections merging inwardly into spaced parallel walls, each of said parallel walls terminating in a diverging flange, said flanges cooperating with said pocket to clamp said bail yieldingly therebetween.

2,364,106
HYDROCARBON CONVERSION
Ernest Solomon, Nutley, Herbert J. Passino, Jersey City, and Louis C. Rubin, West Caldwell, N. J., assignors to The M. W. Kellogg Company, Jersey City, N. J., a corporation of Delaware
No Drawing. Application September 6, 1941, Serial No. 409,894
7 Claims. (Cl. 260—683.5)

1. A process for isomerizing hydrocarbons of the group consisting of paraffin and cycloparaffin hydrocarbons which comprises contacting said hydrocarbons at elevated temperature with a non-gaseous metal halide isomerizing catalyst in combination with supporting material comprising a plurality of film granules each consisting essentially of at least 75% of finely divided carbon black intimately mixed with a minor proportion of a finely divided binder material.

2,364,107
SILENT SCREWLESS VALVE PLUG
Bennett Svirsky, Glendale, Calif., assignor of fifteen per cent to Irving Svirsky, New Haven, Conn.
Application June 3, 1943, Serial No. 489,564
9 Claims. (Cl. 251—159)

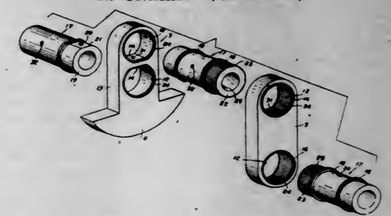


1. As an article of manufacture a top-shaped valve plug having a generally cylindrical stem portion which is adapted to be inserted axially into the cylindrical bore of a conventional valve stem, said stem portion of said plug being a unitary part of the plug and having a plurality of circumferentially spaced compressible deformable side portions occupying only restricted parts of its periphery and which in the unstressed condition extend somewhat beyond a cylindrical space coextensive with the bore of the valve stem upon which the plug is adapted to be mounted.

2,364,108
BONDED SILICON CARBIDE REFRACTORIES
John P. Swentzel, Niagara Falls, N. Y., assignor to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
No Drawing. Application September 25, 1940, Serial No. 358,338
9 Claims. (Cl. 106—44)

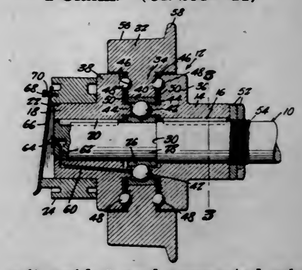
1. A bonded silicon carbide article consisting of silicon carbide grain together with minor amounts of a refractory clay and containing as a bond 0.5 to 50% of a metal alloy selected from the group of metal alloys consisting of manganese alloys and silicon alloys and commonly known as deoxidizers in the founding of ferrous metals.

2,364,109
CRANKSHAFT AND METHOD FOR MAKING THE SAME
Lloyd M. Taylor, San Leandro, Calif., assignor to Taylor Engines Inc., Oakland, Calif., a corporation of Nevada
Application May 5, 1941, Serial No. 391,899
12 Claims. (Cl. 29—6)



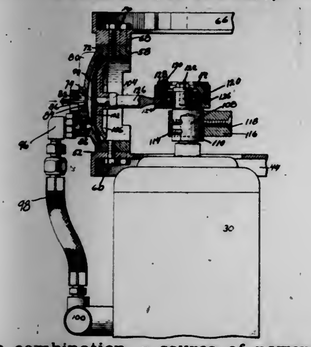
12. The method of rigidly connecting the component parts of a built-up crank shaft employing crank pins and crank arms with bores for the ends of the respective crank pins, which consists in forming axially abutting surfaces in said bores and on the respective pins, forming recesses between said axially abutting surfaces, inserting the crank pins into the respective boxes, holding welding material in said recesses and between said axially abutting surfaces of the respective crank pin ends and said bores so as to confine said welding material within said bores, forming an engagement head at the ends of the crank pins against the adjacent ends of the respective bores so as to axially draw said abutting surfaces together, and subjecting the assembled joints to welding heat.

2,364,110
RAIL WHEEL
Isaac V. Troutman, Altoona, Pa.
Application February 8, 1943, Serial No. 475,147
1 Claim. (Cl. 295—44)



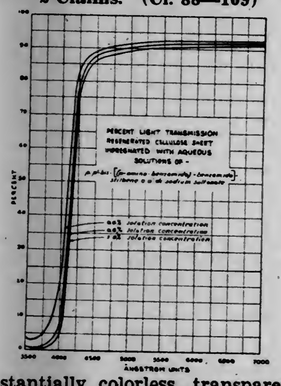
In a rail guided and supported wheel, hubs spaced on said axle and fixed thereto, said hubs having annular flanges spaced one from the other but arranged coaxially of said axle, a bearing race fitted on said axle, a wheel tire having a second annular flange, radial flanges on said hubs overlapping said second annular flange, a bearing race fitted inside said second annular flange, ball bearings interposed between said first and second mentioned races, ball bearings interposed between said second annular flange and said radial flanges, a truck member supporting one of said hubs, lock nuts threadedly connected with said axle for coaction with the other hub, said axle and one of said hubs being provided with a lubricant introducing bore for admitting lubricant to the space between said first mentioned annular flanges, said first mentioned annular flanges being closely positioned on opposite sides of said first mentioned ball bearings, and a cap means covering the receiving end of said bore.

2,364,111
PUMP AND THE LIKE
John W. Tucker, Chicago, Ill.
Application March 20, 1942, Serial No. 435,450
4 Claims. (Cl. 230—170)



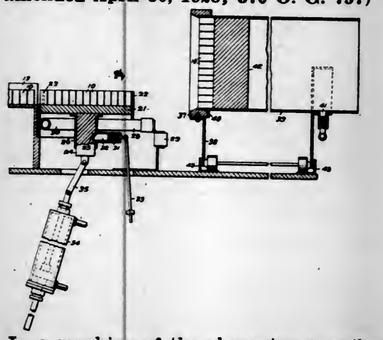
1. In combination, a source of power, an offset shaft driven by said source of power, top and bottom mounting rings, a cylinder mounted between said top and bottom mounting rings, a diaphragm unit mounted for reciprocal action in said cylinder, a piston mounted on said diaphragm means, a connection from said piston to said offset shaft, whereby rotation of said offset shaft moves said piston and the diaphragm on which the piston is mounted in a reciprocal action, a cylinder head mounted over one side of said diaphragm, forming with the diaphragm a chamber, air inlet means permitting passage of air into said chamber on movement of the diaphragm in a direction away from said cylinder head, and means closing the inlet means to the passage of air on movement of said diaphragm toward said cylinder head, outlet means from the chamber open to the passage of air on movement of the diaphragm towards said cylinder head, air conduit means from said air outlets to a manifold, said air conduit means comprising at least in part a flexible conduit member.

2,364,112
MANUFACTURE
Bliss Van Every, Buffalo, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application November 24, 1942, Serial No. 466,778
2 Claims. (Cl. 88—109)



1. Substantially colorless, transparent regenerated cellulosic sheet wrapping material having associated therewith p:p'-bis-[p-(p-aminobenzamido-)benzamido-]stilbene-di-alkali metal sulfonate in amount sufficient to effect substantially complete absorption of light of the wave length of 3000 Å. to 3800 Å.

2,364,113
APPARATUS FOR STACKING POWDER GRAINS
Robert Van Roo, United States Army, West Point, N. Y.
Application January 5, 1942, Serial No. 425,646
5 Claims. (Cl. 226—2)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



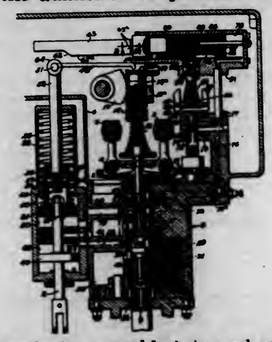
5. In a machine of the character described, a guideway arranged to receive a series of vertically disposed bodies, means for moving the bodies in said guideway, a rockable platform positioned to receive said bodies in vertical position while the platform is in horizontal position, a rockable support for the platform, a movable connection between said support and platform, means for rocking the platform from horizontal to vertical position and returning the platform to horizontal position, said means also serving to actuate the platform when in vertical position to transfer the bodies to a container.

2,364,114
CATALYSTS
Preston L. Veltman, Fishkill, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Original application February 18, 1941, Serial No. 379,483. Divided and this application May 2, 1942, Serial No. 441,564. In Canada and Great Britain January 23, 1941
7 Claims. (Cl. 252—228.7)

1. A solid catalyst adapted for the conversion of hydrocarbons at elevated temperatures which is substantially free of sodium and potassium and comprises in combination silica, alumina, aluminum fluoride and a magnesium compound selected from the group consisting of magnesia and magnesium fluoride, the silica comprising a major proportion of the catalyst and the aluminum fluoride being in hydrated form and being dispersed throughout the catalyst.

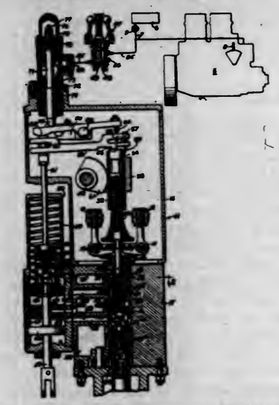
2,364,115
GOVERNOR CONTROL FOR PRIME MOVERS
Willard J. Whitehead, Rockford, Ill., assignor to Woodward Governor Company, Rockford, Ill., a corporation of Illinois
Application January 1, 1943, Serial No. 471,005
7 Claims. (Cl. 264—7)

2. A governor mechanism having in combination, a cylinder, a piston therein carrying a normally closed valve controlled by-passage, a member movable with said piston and operable when blocked to cause opening of said by-passage, speed responsive means including a valve controlling the admission of pressure fluid to said



cylinder, a device movable into and out of blocking position with respect to said member, and auxiliary speed responsive means for moving said device into blocking position in response to a predetermined decrease in speed.

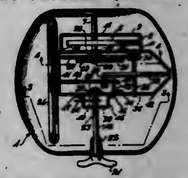
2,364,116
GOVERNOR CONTROL
Willard J. Whitehead, Rockford, Ill., assignor to Woodward Governor Company, Rockford, Ill., a corporation of Illinois
Application October 9, 1942, Serial No. 461,393
4 Claims. (Cl. 60—16)



2. A governor mechanism comprising, in combination, a cylinder, a piston therein carrying a normally closed valve controlled by-passage, a member movable with said piston and by-passage and operable when blocked to open the by-passage, separate speed responsive means controlling the admission of pressure fluid to said cylinder, a device movable into and out of blocking position with respect to said member, power actuated means for moving said device into blocking position, and stop means selectively adjustable to vary the extent of motion of said device by said power actuated means.

4. The combination with a prime mover and means for temporarily supplying auxiliary power for starting the prime mover of, a member controlling the speed of said prime mover after starting thereof by said auxiliary power, a hydraulic servomotor for actuating said member, means including a fluid control valve responsive to the speed of said prime mover and controlling the flow of pressure fluid to and from said servomotor to correct for normal speed changes of said prime mover, a normally closed valve adapted when open to by-pass fluid from said servomotor whereby to interrupt the motion of said member independently of said control valve, a device normally maintained inactive and adapted when in active position to cause opening of said valve as said member reaches a predetermined position, and means directly associated with said auxiliary power supplying means and operable to move said device to active position simultaneously with the application of said auxiliary power to said prime mover, said last mentioned means acting during normal operation of the prime mover after starting thereof to hold said device in inactive position.

2,364,117
GYROSCOPIC TOY
Voorhis F. Wigal, New England, W. Va.
Application July 23, 1943, Serial No. 495,905
10 Claims. (Cl. 46—50)



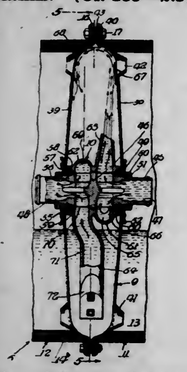
1. A toy comprising a gyroscopic element, means for supporting said gyroscopic element and a common means for both spinning said gyroscopic element and rotating said gyroscopic element relative to the body of the toy.

2,364,118
METHOD AND APPARATUS FOR ELECTRICALLY TREATING FLUIDS
Halley Wolfe, Los Angeles, Calif., assignor, by mesne assignments, to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
Application April 5, 1939, Serial No. 266,089
15 Claims. (Cl. 204—188)



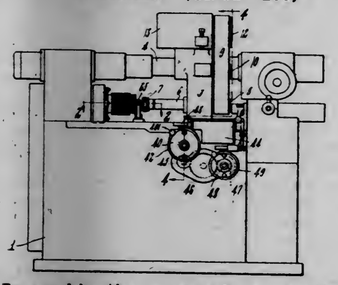
8. In apparatus for treating emulsions of water in oil, the combination of: two spaced electrodes; means for impressing upon said electrodes an alternating electromotive force, whereby an alternating electric field is set up and an alternating current is caused to flow between said electrodes, the frequency of said electromotive force being sufficiently high to result in the capacitive reactance of a given body of said emulsion being small compared to the resistance of said body of emulsion; means to pass the emulsion to be treated between said electrodes in a stream of limited thickness; and a solid dielectric medium interposed in series with said emulsion stream between said electrodes, the thickness and specific inductive capacity of said solid dielectric medium at said frequency being such that the capacitive reactance of said solid dielectric medium encountered by said alternating current is at least three times the capacitive reactance of said emulsion stream.

2,364,119
OIL TANK FOR AIRPLANE ENGINES
Paul A. Anderson, Monrovia, Calif., assignor, by mesne assignments, to Consolidated Vultee Aircraft Corporation, a corporation of Delaware
Application February 26, 1943, Serial No. 477,325
3 Claims. (Cl. 183—2.5)



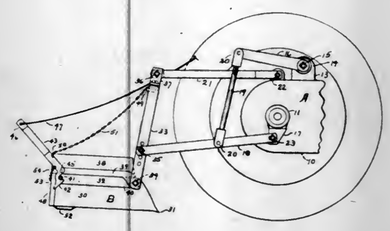
1. A tank designed for use in connection with a liquid circulating system and comprising a shell adapted to hold a body of the liquid, an elongated element disposed in a horizontal position within the central portion of the shell and having an inlet passage at one end thereof, an outlet passage at its other end, and a crosswall between the two passages, a return pipe extending into the shell and having the discharge end thereof connected to said one end of the element and in communication with the inlet passage, a supply pipe leading from the shell and having the inlet end thereof connected to said other end of the element and in communication with the outlet passage, and a unit mounted to rotate about the element, embodying an upstanding nozzle in communication with the inlet passage, and a depending arm having a longitudinal passage therein with the lower end thereof in communication with the bottom portion of the shell interior and its upper end in communication with the outlet passage, and so weighted that it is caused to assume its normal position in the event that the shell is tilted or angularly displaced relatively to the axis of rotation of the unit.

2,364,120
MECHANISM FOR GRINDING
Merton H. Armis, Springfield, Vt., assignor to Bryant Chucking Grinder Company, Springfield, Vt., a corporation of Vermont
Application August 13, 1940, Serial No. 352,380
12 Claims. (Cl. 51—100)



3. In combination, means for supporting tubular work, a grinding wheel, two wheel truing devices, means for effecting a relative traverse of said wheel axially of the work to cause said wheel to grind the inside of said work, means for controlling one of said truing devices at one time during an extended portion of such traverse to true said wheel to cylindrical contour, means for controlling the other of said truing devices and wheel at another time during such extended traverse portion to true said wheel to a convex contour, means for controlling the path of grinding traverse while said wheel is of cylindrical contour to effect a roughing cylindrical grinding cut, and means for controlling the path of grinding traverse while said wheel is of convex contour to effect a finishing grinding cut departing from cylindrical at a portion of the work and while the work remains in the same relation to said work supporting means as during the roughing cut.

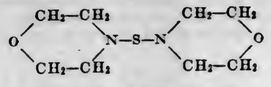
2,364,121
POWER PICKUP SCOOP ATTACHMENT FOR TRACTORS
Bruno F. Arps, New Holstein, Wis., assignor to Arps Corporation, New Holstein, Wis., a corporation of Wisconsin
Application April 19, 1943, Serial No. 483,573
7 Claims. (Cl. 37—128)



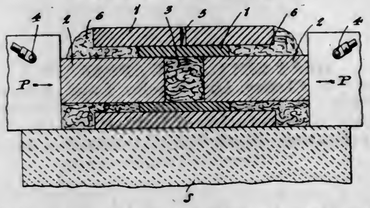
7. A device of the character described comprising a tractor having a power lift, transversely spaced rearwardly extending drawbars horizontally hinged at their front ends to the tractor, elements hinged at their lower ends to the rear ends of said drawbars, means connecting the upper end of said elements to the tractor to thereby hold the elements in a generally vertical position, operating connections from said power lift adapted to determine the vertical position of said elements, a scoop having an open rear end positioned between the lower ends of said elements and being hinged near its front thereto, a frame carried by said elements having a rear end member adapted to act as an endgate for said scoop, a latch on the rear end of said frame adapted to engage the rear end of the scoop, whereby when said latch engages the scoop and the elements are lifted, the scoop will be lifted and held in a generally horizontal position, means for disengaging said latch whereby the scoop is free to fall by gravity at its rear end.

2,364,122
OIL ADDITIVE
Alfred L. Bayes, Kenmore, N. Y., assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York
No Drawing. Application June 17, 1943, Serial No. 491,227
5 Claims. (Cl. 252—47)

2. A composition comprising a lubricating oil containing about 0.10% to 2.0% of dimorpholine monosulfide, a compound having the structure:

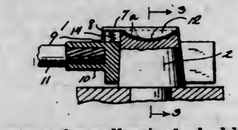


2,364,123
METHOD OF FORMING METAL CARBIDES
Raymond C. Benner and William G. Soley, Niagara Falls, N. Y., assignors to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
Application November 14, 1941, Serial No. 419,048
2 Claims. (Cl. 23—208)



1. The process of making hard metal carbides which includes the steps of intimately mixing the powdered oxide of a metal whose carbide is hard and refractory and finely divided carbon in approximately stoichiometric proportions, wetting the mixture uniformly with a relatively small amount of a hydrocarbon, heating the mixture at a temperature between 1400° C. and 1600° C. and below the melting point of the resulting metal carbide, and under a mechanical pressure of from about 500 to 2000 p. s. i. for a period of less than one-half hour, whereby a substantial part of the mixture reacts to form the metal carbide in loose, powdery form.

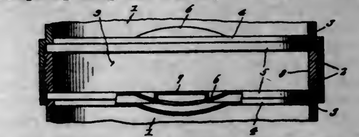
2,364,124
ELECTRICAL CONNECTION
Myrick N. Bolles, Brookings, S. Dak.
Application February 24, 1942, Serial No. 432,131
2 Claims. (Cl. 173—259)



1. A terminal for adhesively holding a contact blade comprising a member conductive of electricity and having a face provided with a slot, a plate overlying such face and in close contact therewith, said plate having a rib depending therefrom to engage within the slot of the member, said plate also having a slot extending into the rib to receive the blade, and fusible means within the second slot for adhesively holding the blade within the slot of the plate.

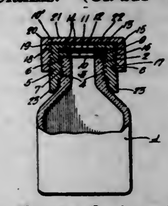
2,364,125
CONTAINER
Lee P. Bruening, Butte, Mont.
Application October 27, 1943, Serial No. 507,846
1 Claim. (Cl. 220—4)

A container of the character described comprising a pair of opposed, complemental bowls, said bowls including enlarged, abutting, internally threaded rims and further including internal seats adjacent said rims, spaced removable closures for the bowls including peripheral flanges engaged on the seats, and an externally threaded coupling ring threadedly engaged in the rims



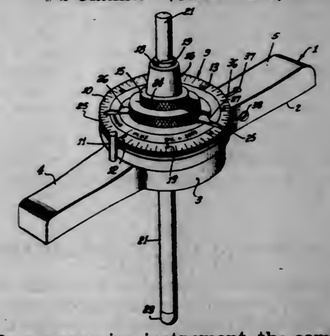
for detachably securing the bowls together, said ring also being interposed between said closures and engaged with the flanges for securing the closures in position in the bowls.

2,364,126
RECEPTACLE CLOSURE
Abraham Cantor and Herman A. Shelanski, Philadelphia, Pa.
Application December 9, 1941, Serial No. 422,280
5 Claims. (Cl. 215—43)



4. An article of manufacture in the form of a closure for a container comprising a body member provided with a bore extending longitudinally therethrough, a puncturable, self-sealing diaphragm carried by said body member at one end thereof and extending across the bore and sealing the same, means within said bore for securing said closure to said container, and screw thread coupling means on the exterior of said body member for securing a cooperatively formed coupling member thereto, the external diameter of said body member at said one end being no greater than the root diameter of the screw threads on the exterior of said body member.

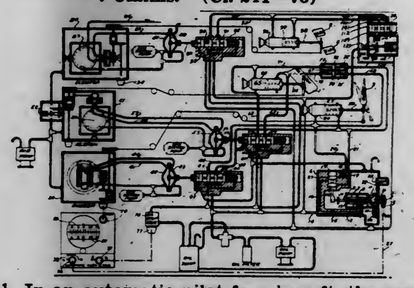
2,364,127
MEASURING INSTRUMENT
Victor Capon, Los Angeles, Calif.
Application May 1, 1943, Serial No. 485,365
2 Claims. (Cl. 33—170)



1. In a measuring instrument, the combination of: a base member defining a reference surface; a measuring member defining a measuring point; means mounting said measuring member on said base member for adjustable movement relative

thereto, whereby the distance of said measuring point from said reference surface may be adjusted to a predetermined dimension; micrometer means inter-engaging said base member and said measuring member for moving said measuring member relative to said base member, said micrometer means comprising a boss threadedly engaged with said base member and having an indicating dial secured thereto for indicating the difference between the distance of said measuring point from said reference surface and said predetermined dimension, said boss having formed therein a circumferentially extending groove; and a stop member on said base member received in said groove and having a width less than the width of said groove by an amount sufficient to limit movement of said dial to less than one revolution.

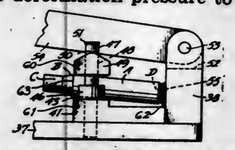
2,364,128
AIRCRAFT CONTROL DEVICE
Bert G. Carlson, Erieside, Ohio, assignor to Jack & Heintz, Inc., Bedford, Ohio, a corporation of Ohio
Application April 22, 1942. Serial No. 440,001
7 Claims. (Cl. 244—78)



1. In an automatic pilot for aircraft, the combination with a gyroscopic precession responsive hydraulic system having a balanced oil valve and piston operated elevator servo motor for maintaining the proper aircraft attitude in elevation, of supplemental means for maintaining level flight and predetermining and regulating aircraft ascent and descent, said means including a supplemental pressure oil line in said hydraulic system leading to said servo motor, a balanced oil valve in said line, a barometric means, a control device operated thereby for operating said valve and said servo motor in either direction and alternate manual means for operating said barometric means and said servo motor in either direction, said control device comprising a pivoted nozzle in said pressure oil line arranged when in neutral position to deliver equal pressure oil to both ends of said last-named oil valve to balance the same, said nozzle being connected to said barometric means so as to be automatically operated thereby in response to barometric conditions so as to maintain flight level attitudes.

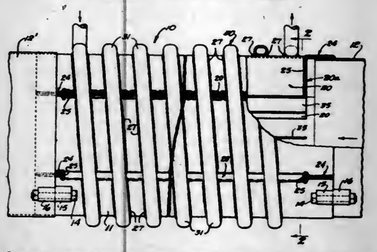
2,364,129
TESTING ANNEAL OF CARTRIDGE SHELLS AND THE LIKE
John P. Catlin and George R. Eckstein, Bridgeport, Conn., assignors to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware
Application November 20, 1942, Serial No. 466,262
7 Claims. (Cl. 73—88)

1. The method of testing the anneal of the metal of a deformable cartridge shell or like article which comprises deforming the article by pressure to a deformation dimension pre-established from an article of acceptable anneal, releasing the deformation pressure to permit elas-



tic recovery and gauging the elastic recovery dimension in comparison with an elastic recovery dimension pre-established from said article of acceptable anneal.

2,364,130
HEAT EXCHANGE APPARATUS
Gilbert E. Clancy, Los Angeles, Calif., assignor to Drayer & Hanson, Incorporated, Los Angeles, Calif., a corporation of California
Application March 2, 1942, Serial No. 432,959
1 Claim. (Cl. 257—241)

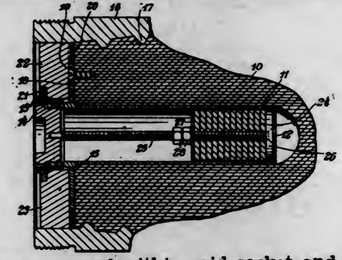


In heat exchange apparatus, the combination of a fluid carrying member having a heat conductive, fluid confining wall of general tubular formation, said wall including a plurality of circumferentially spaced and longitudinally extending open indentations which project inwardly, from the inner surface of those portions of the wall which lie between the indentations, into the interior of the tubular member to form internal hollow heat conductive fins, said indentations being externally open to the surrounding atmosphere at their outer edges and forming fluid confining portions of the wall which also provide for circumferential contraction and expansion; means connected with an end of the tubular member for feeding a fluid exclusively through the interior of said member, the interiors of the open indentations being isolated from the fluid feed; and another fluid carrying member composed of a helically coiled tube with longitudinally spaced turns closely surrounding the indented tubular wall, physically and heat-conductively integrated with the wall between the circumferentially spaced indentations, and bridging their outer openings.

2,364,131
BALANCED AIRSCREW BLADE
Albert Oliver Daniels, Chesham, Bucks, and Henry Victor German, Howgate, Bembridge, Isle of Wight, England, assignors to Hordern-Richmond Limited, Haddenham, Buckinghamshire, England, a company of Great Britain
Application September 5, 1942, Serial No. 457,504
In Great Britain October 17, 1941
2 Claims. (Cl. 170—159)

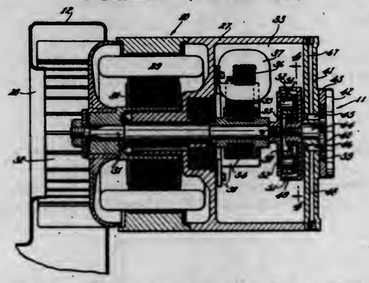
1. In combination with the root end of a blade, a cylindrical sleeve secured in a longitudinal bore

of the root end of the blade and exteriorly threaded at the outer end, a socket secured to said root end and extending longitudinally thereof and projecting beyond the same, a stationary annular plate arranged within the socket and surrounding said sleeve and provided with radial serrations, a plurality of segmental moment



masses arranged within said socket and adjustable around the sleeve and provided with radial serrations engaging serrations of said plate, and a nut mounted on the threaded end of the sleeve and engaging the moment masses and maintaining the serrations thereof in engagement with serrations of said plate.

2,364,132
OIL BURNER
Warren H. De Lancey, Springfield, Mass., assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass., a corporation of Massachusetts
Application July 23, 1942, Serial No. 452,019
4 Claims. (Cl. 158—28)



1. In an oil burner, a nozzle for emitting the oil, means controlling the flow of oil to the nozzle, a conduit for conducting air to the nozzle to mix with the oil, spark electrodes positioned to ignite the oil spray, means for causing a flow of air through said conduit, a magneto, an electrical circuit including the magneto and electrodes, a motor for driving said magneto, and means coordinating the operation of the magneto and oil-flow controlling means to enable flow of oil to said nozzle only when the magneto is moving at sufficient speed to provide ignition sparks at said electrodes.

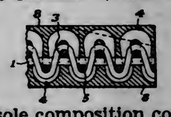
2,364,133
SEAL JOINT
Joaquin J. de la Roza, Sr., New York, N. Y.
Application January 3, 1944, Serial No. 516,819
4 Claims. (Cl. 285—97.1)

1. A seal joint between a stationary and a rotating vessel mounted on a common axis comprising an annulus formed in the end of one vessel, a slide ring fixedly attached to the other vessel, an annular piston assembly having a circular shoe intermediate the annulus and slide ring, said piston axially movable in the annulus, said



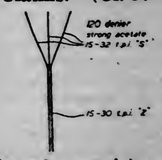
slide shoe rotatably contacting the circular shoe and means for imposing fluid pressure upon the piston for controlling the sealing contact between the slide ring and shoe.

2,364,134
SHOE SOLE
James N. Dow, Longmeadow, Mass., and Ara T. Dildilian, Suffield, Conn., assignors to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn., a corporation of Massachusetts
Application October 2, 1943, Serial No. 504,728
6 Claims. (Cl. 28—80)



1. A shoe sole composition comprising a fabric having sets of warps and wefts of normal size and weight constituting the backing portion of the fabric and another set of warps consisting of abnormally heavy and strong yarns compared to the yarns of the sets of warps and wefts in said backing portion, forming separate uncut erect nubs protruding on both faces of the fabric, the portions of said heavy yarns extending through and at substantially right angles to said backing portion being so heavy and strong as to be uncrushed in said composition, tough elastic plastic material filling the spaces between and covering the nubs on one face of the fabric and a different plastic material on the other face of the fabric filling the spaces between the nubs and capable of forming a strong bond with nitrocellulose cement.

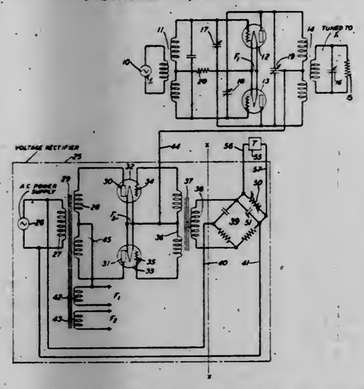
2,364,135
SEWING THREAD
Donald Finlayson, Spondon, near Derby, England, assignor to Celanese Corporation of America, a corporation of Delaware
Application July 5, 1941, Serial No. 401,239
In Great Britain July 26, 1940
4 Claims. (Cl. 57—140)



1. Sewing thread comprising a balanced cabled assembly having a denier less than 1,000 and con-

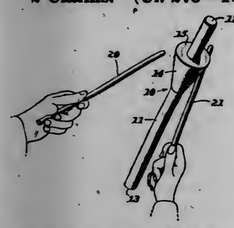
sisting of cellulose acetate or other cellulose ester filamentous threads that have been stretched and saponified, said assembly having a lubricant dressing thereon.

2,364,136
TEMPERATURE REGULATED ELECTRONIC APPARATUS
George L. Graveson, Amityville, N. Y., and Clyde R. Keith, Maplewood, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application December 31, 1942, Serial No. 470,744
7 Claims. (Cl. 179—171)



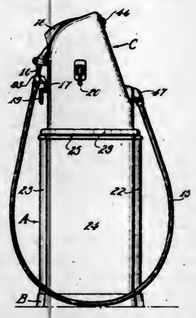
1. In combination in temperature controlled electronic apparatus comprising a load circuit, means including electronic apparatus to supply electrical energy to said load circuit such that the temperature of said electronic apparatus is caused to vary in response to the amount of electrical energy consumed therein, and means to control the energization of said electronic apparatus and thereby the amount of electrical energy consumed therein, means comprising a thermoresponsive element having a preselected temperature coefficient of resistance and disposed in proximity of said electronic apparatus to control the operation of said energizing control means in response to temperature variations of said electronic apparatus.

2,364,137
AMUSEMENT OR EXERCISING DEVICE
Edwin D. Gibb, United States Navy
Application July 14, 1943, Serial No. 494,712
2 Claims. (Cl. 273—106)



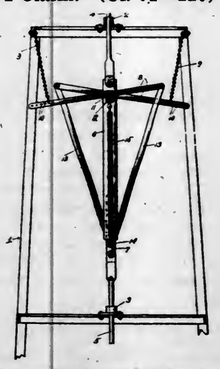
1. An amusement or exercising device comprising an elongated cylindrical shaft having an inverted conical enlargement positioned with the base spaced from the upper end of the shaft and with its side wall facing downwardly and terminating above a point midway between the ends of the shaft, said device being adapted to be struck as a shuttle by sticks or implements held by a user or users.

2,364,138
LIQUID DISPENSING APPARATUS
Alfred L. Grisé, Springfield, Mass., assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass., a corporation of Massachusetts
Application September 18, 1942, Serial No. 458,829
18 Claims. (Cl. 222—34)



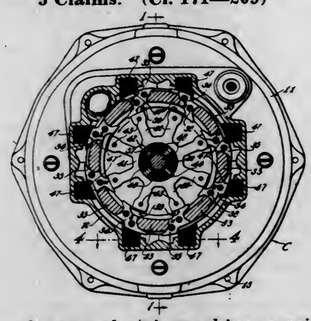
1. In liquid dispensing apparatus of the type having a dispensing conduit including a flexible hose, means for creating a flow of liquid through said conduit, a meter interposed in said conduit for measuring the liquid dispensed, and a register driven by the meter and indicating the amount of liquid dispensed, the combination of a casing for housing all the aforesaid elements except the hose, said casing having a lower and stationary section and an upper section rotatably mounted relatively to the lower section, said register being connected to the upper section to turn therewith, said upper section having a window through which the indications of the register are visible and being turnable for presenting the register to various positions for convenient reading.

2,364,139
WINDMILL POWER TRANSMISSION
Irvin Grumbles, San Saba, Tex.
Application October 5, 1943, Serial No. 505,081
1 Claim. (Cl. 74—110)



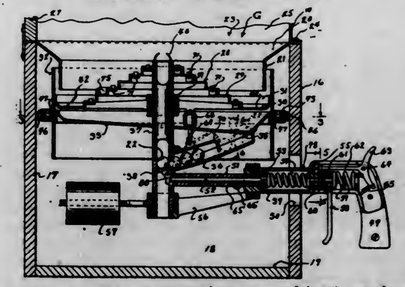
A power transmission comprising a tower, vertically aligned driving and driven rods slidable in said tower, a tubular guide suspended from the driving rod, a plunger on the driven rod slidable in said guide, levers pivotally mounted, at an intermediate point, on the guide, chains connected to one end portion of the levers for suspending said levers from the tower for swinging movement, links operatively connecting the levers to the plunger, and springs having one end anchored to the guide and their other ends connected to the plunger for assisting in elevating the driven rod.

2,364,140
MAGNETO
Kenneth A. Harmon, Longmeadow, Mass., assignor to Wico Electric Company, West Springfield, Mass., a corporation of Massachusetts
Application May 13, 1942, Serial No. 442,737
5 Claims. (Cl. 171—209)



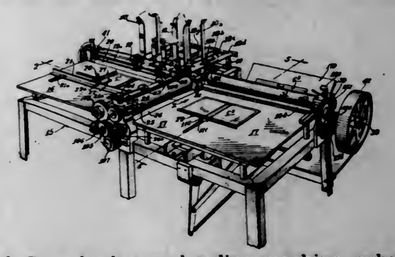
1. In a dynamo electric machine, a coil, a plurality of laminated flux-conducting members looped through said coil and having an inner and an outer circular series of pole faces angularly-spaced about the axis of said coil, and a magnetic rotor having a circular series of angularly-spaced bar magnets coaxial with said inner and outer series and having pole shoes for said magnets, each said pole shoe having an outer face for cooperation with the pole faces of said outer series and an inner face for cooperation with the pole faces of said inner series, the outer faces of said shoes being angularly-spaced by alternately relatively long and relatively short distances and the inner faces of said shoes being angularly-spaced by alternately relatively long and short distances, each successive pair of shoes having their outer faces separated by a different distance than their inner faces.

2,364,141
GAME
Herbert W. Harris, Racine, Wis.
Application December 22, 1941, Serial No. 423,973
2 Claims. (Cl. 273—110)



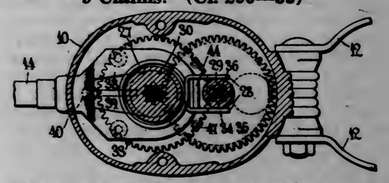
1. In a game apparatus, a cabinet casing, a wall arranged in said casing having an opening and said wall being provided with a depending annular guard flange, a game board disposed in the cabinet, means supporting the board for tilting movement, means for tilting the board from the exterior of the casing, and a guard collar surrounding said board and carried thereby receiving the depending guard flange.

2,364,142
BOOK-COVER BENDING MACHINE
William B. Hildmann, Chicago, Ill., assignor to Brock & Rankin, Chicago, Ill., a corporation of Illinois
Application August 14, 1943, Serial No. 498,711
15 Claims. (Cl. 11—2)



9. In a bookcover bending machine, substantially axially aligned infeed and outfeed roller means, intermediate roller means rotatable axially at right angles to the rotational axes of said infeed and outfeed roller means, and at a position approximately intermediate the remote ends of said last-mentioned roller means, means for supporting covers for movement relative to said roller means, means driving said roller means to effect movement of covers from between said infeed roller means to a position opposite the intermediate roller means on said supporting means, and from between the intermediate roller means to a position on said supporting means opposite the outfeed roller means, and from between said outfeed roller means in a direction opposite to the movement of covers by the infeed roller means, and operatively coordinated cover moving means operating intermittently for moving covers on said supporting means into engagement with said intermediate and outfeed roller means.

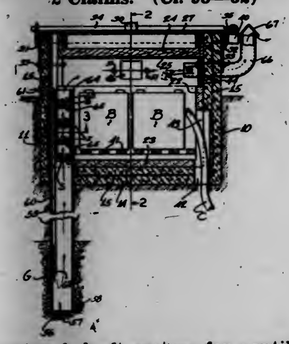
2,364,143
VEHICLE SIGNAL CONTROL UNIT
Erwin C. Horton, Hamburg, and Anton Rappl, Buffalo, N. Y., assignors to Trico Products Corporation, Buffalo, N. Y.
Original application June 14, 1938, Serial No. 213,610. Divided and this application September 10, 1941, Serial No. 410,286
9 Claims. (Cl. 200—33)



1. A control unit having a switch, a manually operable member movable in opposite directions from a neutral position for closing the switch selectively, a spring actuated delayed action mechanism for opening the switch, a friction connection between the member and the mechanism spring for energizing the latter upon either movement of the member to close the switch, said connection constituting a power transmission from the mechanism to said member for opening the

switch but permitting independent shifting of the member to make another selection and reenergize the spring, and means for holding the mechanism inoperative after the closing of the switch, said spring being reenergizable by said member unaffected by the functioning of said holding means.

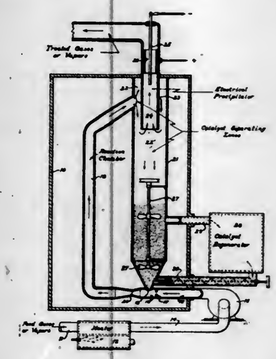
2,364,144
THERMALLY REGULATED ENCLOSURE FOR ELECTRICAL EQUIPMENT
Claude H. Hunsaker, University City, Mo.
Application January 29, 1942, Serial No. 428,742
2 Claims. (Cl. 98—32)



1. A natural draft system for ventilating and thermally stabilizing enclosed outdoor electrical equipment such as secondary batteries, the system including a rectangular battery box and batteries therein, the box being located near the surface of the earth, a support for the batteries within the box, and being of such form as to permit free circulation of air around, as well as above and below the batteries in the box, a lining of insulation material in the box, a vertical casing constituting an air well which extends from about the height of the batteries downwardly through one corner of the box and therebelow to a subterranean zone at a substantial depth below the box, a valved condensate outlet fitting located in the lower portion of the said air well casing, an air replacement pipe having its inlet end in a zone exteriorly of the box and above ground level, thence extending into the box, downwardly through a portion of the box and within the air well casing to a point somewhat above the bottom of the casing, an air discharge pipe extending outwardly of the space within the box, and from a corner thereof diagonally opposite the zone of the air well, a damper in the discharge pipe, a thermostat disposed within the box so as to be responsive to temperature conditions therein, and directly operatively connected with the damper, and a receptacle containing a dehydrating material, supported within the air well casing and in a position to enable removal of the receptacle and replacement thereof, through the outlet opening of the well casing.

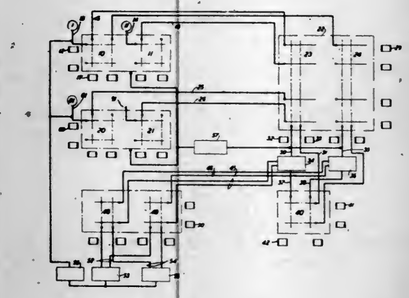
2,364,145
CATALYTIC METHOD
Walter F. Huppke, Lomita, and Theodore Vermeulen, Los Angeles, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application February 12, 1940, Serial No. 318,414
3 Claims. (Cl. 23—1)

1. A method for the catalytic treatment of a gas or vapor which comprises passing a gas or vapor at a velocity greater than the velocity of sound in said gas in contact with a finely powdered catalyst which has become agglomerated and thereby breaking the agglomerates of said



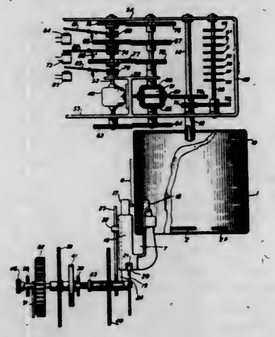
catalyst to produce subdivided catalyst particles of original fineness suspended in said gas or vapor, subjecting said mixture to reaction conditions, and separating the finely powdered catalyst from said treated gas or vapor.

2,364,146
AUTOMATIC TELEPHONE SYSTEM
Amos E. Joel, Jr., New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 8, 1944, Serial No. 517,496
7 Claims. (Cl. 179—22)



1. In a telephone system, cross bar line switches, a cross bar secondary switch divided in sections, a cross bar terminating primary switch, registers, groups of lines, each group appearing in a separate line switch, a group of primary links originating in each line switch, each link terminating in a separate section of said secondary switch, junctors each having an incoming branch originating in a separate section of said secondary switch and having an outgoing branch terminating in the terminating primary switch, terminating links originating in said terminating primary switch and each terminating in a separate section of the secondary switch for connection to a companion primary link in each group of said links, means responsive to the seizure of a calling line for establishing a connection from said line through the associated line switch and over an idle primary link and the companion incoming branch of an idle junctor through the corresponding section of the secondary switch, and through said junctor to an idle register, means responsive to dial pulses received in said register over said connection for selecting and connecting a desired called line to said calling line, the connection extending over the outgoing branch of the chosen junctor through the terminating primary switch over the terminating link and primary link appearing in the same section of the secondary switch through which the connection from the calling line to the seized junctor extends if said links are idle and said means being operative if said links are busy to extend the connection through any other first idle pair of terminating and primary links in any other section of the terminating switch while in either case said means is operative to thereafter extend the connection to the called line, through the corresponding line switch.

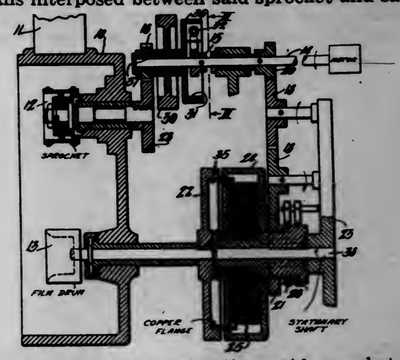
2,364,147
TIME-OF-DAY ANNOUNCING SYSTEM
Edward H. Jones, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 24, 1943, Serial No. 484,487
13 Claims. (Cl. 179—6)



1. In a time-of-day announcing machine, a drum, a motor for rotating said drum at a predetermined precise speed, films secured to said drum bearing the sound tracks of the hour, minute and fractional minute divisions of the time of day, scanning units for scanning said films, differential gearing interposed between said motor and said drum and means for controlling said gearing to increase or decrease the speed of rotation of said drum with respect to said motor speed for insuring that the time announcements shall be in accordance with the correct time.

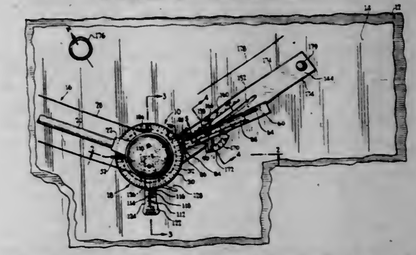
2,364,148
SOUND FILM DRIVE MECHANISM
Edward W. Kellogg, Indianapolis, Ind., assignor to Radio Corporation of America, a corporation of Delaware
Application February 13, 1942, Serial No. 430,777
7 Claims. (Cl. 271—2.3)

1. Film feeding apparatus including a drive member, a film drum, inverse torque-to-speed responsive continuously and aperiodically yieldable means connecting said drum to said drive member, a sprocket for feeding film to and from said drum, and direct torque-to-speed responsive means interposed between said sprocket and said



drive member for accelerating said sprocket at a rate slower than the acceleration of said drive member.

2,364,149
VECTOR CALCULATING MACHINE
Allen H. Kent, New York, N. Y., assignor to Vard, Inc., Pasadena, Calif., a corporation of California
Application December 11, 1942, Serial No. 468,640
2 Claims. (Cl. 33—102)

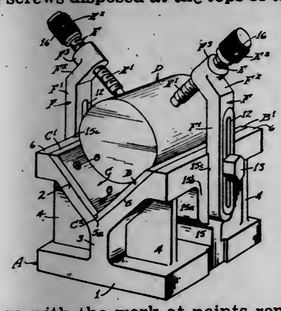


1. In a plotting instrument including a pair of interconnected longitudinally slotted arms, a connecting mechanism for pivotally and slidably interconnecting said arms comprising a pivot screw slidably mounted in one of asid slots and extending through the other of said slots; a pointer member encircling said screw and positioned between said arms, said pointer member having formed thereon a key portion received in the slot in one of said members to hold said pointer against pivotal movement relative thereto, a second pointer member encircling said screw above the other of said arms, said second pointer member including a key portion received in the slot in the other of said arms to hold said second pointer against pivotal movement relative to said other arm, and a clamping nut threaded upon said screw and bearing against said second pointer member for locking said pivot screw against sliding movement relative to one of said arms.

2,364,150
UNIVERSAL V-BLOCK
Louis A. Lowenstein, San Francisco, Calif., assignor to Norman R. Leadlay, San Francisco, Calif.
Application March 2, 1943, Serial No. 477,777
6 Claims. (Cl. 77—63)

1. A universal V-block having a V-shaped surface therein for receiving work, vertically ex-

tending brackets adjustably secured to the block to give a clear passage to the V-surface regardless of the vertical adjustment of the brackets, work-holding screws disposed at the tops of the brackets

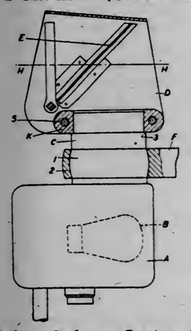


to engage with the work at points removed from the center of the work, whereby the top center of the work is free to receive cutting tools and the like.

2,364,151
LUBRICANTS
Paul R. McCarthy, Manor, and Henry A. Ambrose, Penn Township, Allegheny County, Pa., assignors to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
No Drawing. Application January 7, 1943, Serial No. 471,594
6 Claims. (Cl. 252—35)

1. A plastic lubricating composition having the property of maintaining a relatively stiff consistency over a wide range of atmospheric temperatures, and having a melting point substantially exceeding that of petrolatum, comprising essentially a normally liquid lubricating oil and a mixture of aluminum di-stearate and aluminum tri-stearate containing not more than 75 per cent of aluminum di-stearate and having a ratio of aluminum di-stearate to aluminum tri-stearate not less than 1:12, said aluminum stearate mixture being present in an amount corresponding to about 3 to 20 per cent of the oil-stearate composition.

2,364,152
SIGHT FOR GUNS
Charles Dalrymple Macgill, Glasgow, Scotland, assignor to Barr & Stroud, Limited, Glasgow, Scotland
Application January 31, 1942, Serial No. 429,079
4 Claims. (Cl. 88—1)



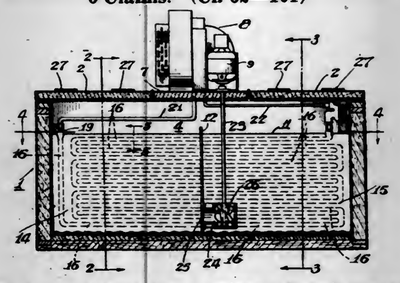
1. A gun sight of the reflector type as defined, comprising a sight body containing a lamp, a head mounted on said body, which head includes a base, a carrier supported on the base, and a reflector screen supported by the carrier in position to receive light from the lamp at the appropriate obliquity, the sight body having a part which is externally of part-spherical shape to provide a bearing on which the sight is adjustable universally as a whole within limits, the head being rotatable as a whole on the sight body about the axis of the beam of light falling on the screen from the lamp, to provide for adjustment of the screen about that axis, means for fixing the head to the body for any position of such adjustment, a pivotal connection between the carrier and the base of the head to provide for angular adjustment of the reflector screen about an axis parallel with the screen and at right angles to the plane containing the line of sight and the axis of the beam of light falling on the screen from the lamp, and means for fixing the carrier in adjusted position on the base.

2,364,153
PLOTTING MACHINE
Robert M. MacLeod, East Pasadena, Calif., assignor to Vard, Inc., Pasadena, Calif., a corporation of California
Application March 29, 1943, Serial No. 480,896
1 Claim. (Cl. 33—102)



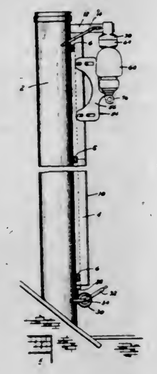
In a plotting instrument, a support having formed therein a recess extending upwardly from the bottom thereof, a scale having two parallelly disposed side surfaces and two angularly disposed side edges, a clamp member disposed below said support and having a channel formed in one surface thereof with a cross section congruent with the cross section of said scale to support said scale for longitudinal sliding movement, said clamping member being mounted for vertical movement in said recess, means on said clamping member engaging said support to support said scale for pivotal movement, and means attached to said clamping member for drawing the same upwardly to wedge said scale between said clamping member and said support to thereby secure said scale against sliding and pivotal movement.

2,364,154
MILK COOLER
Richard Markley, Jr., Smyrna, Del., assignor to Wilson Cabinet Company, Smyrna, Del., a copartnership, comprising John E. Wilson, Jr., and Bertha M. Wilson
Application October 22, 1942, Serial No. 462,976
6 Claims. (Cl. 62—101)



1. In a milk cooler, a cabinet forming a container for a liquid cooling medium, a plate extending between two opposite walls of the cabinet and in proximity to a third wall and dividing the interior of the cabinet into two chambers of which one embraces a major part of said interior; said plate being adapted to constitute an evaporator unit of a refrigerating system, a second partition of greater height than and extending transversely of the first and dividing the last named chamber into two compartments, and means for building up the liquid level in one of the compartments at the expense of the level in the other and to an extent causing overflow of the first partition.

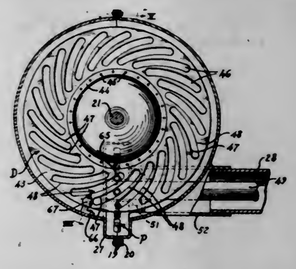
2,364,155
LIGHT CARRIER AND POSITIONING MEANS
Paul W. Martineau, Bronx, N. Y., assignor to Dorothy A. Martineau, Bronx, N. Y.
Application April 8, 1942, Serial No. 438,065
12 Claims. (Cl. 248—319)



1. In combination, a supporting structure, a track mounted vertically thereon, said track comprising a T section with the flange thereof away from the surface of said structure, a light carrier movably mounted on said track, said carrier including means for gripping said flange on either side whereby said carrier may move longitudinally only with respect to said flange, electrical connections fixed with respect to said structure near the upper end of said track, corresponding electrical connections on said carrier, and means for raising said carrier to a position where said electrical connections will be brought into engagement with each other.

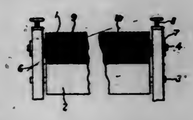
12. In combination, a supporting structure, a track mounted in vertical position on said structure, a light carrier mounted on said track, said carrier structure comprising wheels disposed on opposite faces of said track and engaging a portion of said track therebetween, additional carrier structure to prevent said wheels from transverse removal from said track, at least one of said wheels being spring pressed in the direction of said track, the wheels on opposite sides of said track movable with respect to each other as the thickness of the engaged portion of said track may vary, an arm extending outwardly from said structure, electrical connections carried by said arm, corresponding electrical connections mounted on said carrier, and means for raising and lowering said carrier along said track to bring said electrical connections into or out of adjustment.

2,364,156
GEARING
Gust W. Mattson, Chicago, Ill.
Application July 5, 1943, Serial No. 493,518
7 Claims. (Cl. 74—412)



1. In gearing, a rotatable member having involute slots therein arranged in spaced relation in a circular row concentric with the axis of said member, and each slot providing opposed parallel involute surfaces, and an element rotatable in a plane at right angles to the plane of rotation of the said member and having teeth thereon engageable in said involute slots for establishing a drive connection with said involute surfaces.

2,364,157
TEXTILE APPARATUS
Albert Mellor and Ralph James Mann, Spondon, near Derby, England, assignors to British Celanese Limited, London, England, a company of Great Britain
Application June 18, 1942, Serial No. 447,506
In Great Britain July 7, 1941
9 Claims. (Cl. 26—51)

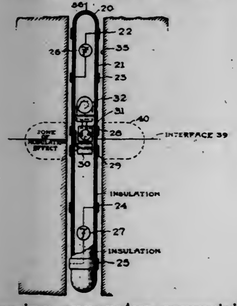


1. Apparatus for the treatment of woven fabrics, said apparatus comprising a pair of rollers forming a nip through which the fabric may be passed in open width, at least one of the said rollers having a surface comprising resilient ridges closely spaced along the length of the roller and extending round the roller, said ridges being of narrow width so that they are distorted in a direction parallel to the length of said roller by the pressure of the other roller acting directly through the fabric in said nip.

2,364,158
RUBBER DERIVATIVES PRODUCTS
James A. Mitchell, Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 16, 1941, Serial No. 411,039
10 Claims. (Cl. 260—768)

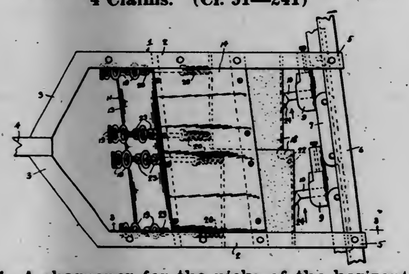
1. A condensation product consisting of phenol-rubber product reacted with maleic anhydride, at a temperature of 60°–150° C., said phenol-rubber product being a reaction product of rubber and a phenol containing 1% to 5% of the phenol chemically combined with the rubber.

2,364,159
APPARATUS FOR ELECTRICAL BORE LOGGING
Gary Muffly, Penn Township, Allegheny County, Pa., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
Application October 11, 1940, Serial No. 360,852
1 Claim. (Cl. 175—182)



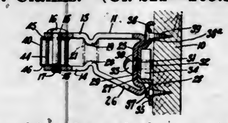
A bore logging apparatus comprising in combination two pairs of current electrodes adapted to be placed in current conductive relation to the earth adjoining a bore, two alternating current generating means one connected to each electrode pair and supplying thereto currents of different frequencies, a pair of pickup electrodes in current conductive relation to the earth adjoining the bore and at least one of which is adapted for positioning at various levels within the bore, filtering means connected to the pickup electrodes and tuned to exclude all applied frequencies, and alternating current potential exhibiting means connected to said filtering means, the potentials measured thereby being those created from applied potentials by modulation at the strata interfaces.

2,364,160
MACHINE PICK SHARPENER
Vay Fisher Neal, Punxsutawney, Pa.
Application July 9, 1943, Serial No. 494,044
4 Claims. (Cl. 51—241)



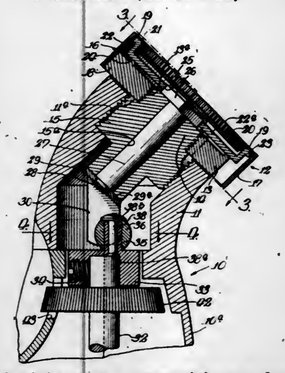
1. A sharpener for the picks of the horizontal endless cutter chain of a coal mining machine, wherein the cutter chain travels between upper and lower guides, and wherein the picks project from the chain at different angles, comprising, a frame structure engageable with the upper cutter chain guide to hold the sharpener in operative position on the machine, a housing mounted on the frame structure, a plurality of grinding stones arranged in a vertical arc and slidably mounted in the housing and projecting therefrom for engagement by the picks, and means for yieldingly resisting sliding movement of the stones away from the picks when said picks are engaged therewith.

2,364,161
CURTAIN BRACKET
Joseph Owsiak, New Britain, Conn.
Application March 13, 1943, Serial No. 478,998
7 Claims. (Cl. 211—105.3)



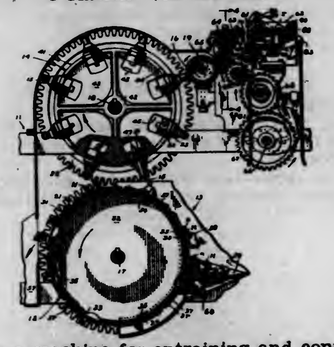
3. In a combination window curtain fixture, a U-shaped bracket for attachment to one end of the top rail of a window frame, means in the intermediate part of the legs of said bracket for detachably supporting one end of a straight curtain rod therebetween, a cylindrical bushing embraced by the outer ends of the legs of said bracket, a screw bolt extending through said bushing and the outer ends of said legs, and an angular apertured hollow overdrape rod supporting member clamped between said outer ends and said bushing by said bolt.

2,364,162
ELECTRIC SHAVER
Walter J. Pasinski, Howell, Mich.
Application July 9, 1942, Serial No. 450,231
7 Claims. (Cl. 30—43)



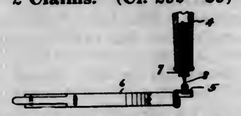
7. An electric razor comprising a housing, a cutting head on one end of said housing comprising a supporting member secured to the upper end of the housing and having an upwardly directed fixed bearing member on the upper surface thereof, a slotted circular shear plate secured to said supporting member and in spaced relation thereabove, and a circular cutter mounted between said supporting member and said shear plate for free oscillatory movement therebetween without binding, said cutter being confined and maintained against the under surface of said shear plate and in cutting relation thereto by the fixed bearing member of said supporting member, a rotatable shaft in said housing extending substantially parallel to the longitudinal axis thereof and adapted to be driven by an electric motor, an inclined shaft in the upper portion of said housing connected at its upper end to said cutter and extending downwardly at an angle to the longitudinal axis of said rotatable shaft, eccentric means carried by the upper end of said rotatable shaft, and a bifurcate member secured to the lower end of said inclined shaft for oscillatory movement therewith and engaged with said eccentric means, whereby rotation of the rotatable shaft causes oscillatory movement of said inclined shaft and cutter.

2,364,163
CONVEYER FOR BRANDING MACHINES
Jarl Pearson, Berkeley, Calif.
Application April 16, 1941, Serial No. 388,856
8 Claims. (Cl. 198—33)



1. In a machine for entraining and conveying globate articles having equatorial ridges, a hopper for containing a heaped supply of the articles and having a fixed and inclined bottom, a cylindrical carrier drum having its cylindrical face defining the hopper end at its lower bottom edge and arranged for its rotation about a horizontal axis to move the hopper-defining portion of its cylindrical face upwardly, said drum being provided with a spherically concave article-receiving socket for movement opposite the hopper and having a radial extension at the following side of the socket having its forward face spherically concave as the socket face in rearwardly stepped relation thereto, said extension being arranged to engage beneath a bottom article of the heap in the hopper to move the article upwardly through the overlying articles of the heap in frictional engagement therewith and for its subsequent disposal by gravity in the associated socket, and means adjacent the hopper bottom operative to direct a bottom article into the path of movement of the extension.

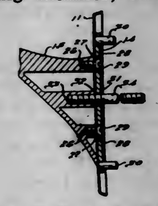
2,364,164
NOZZLE CLOSURE AND CLEANER
Jesse E. Pitts, Houston, Tex.
Application August 17, 1943, Serial No. 498,989
2 Claims. (Cl. 299—59)



1. In a fire extinguisher having a movable discharge nozzle; an approximately cylindrical brush formed of bristles extended into the nozzle and forming a closure therefor, said closure being connected to the extinguisher so as to be withdrawn from the nozzle when the nozzle is moved to position for use.

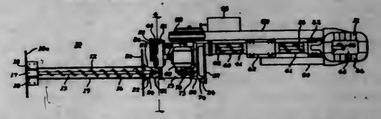
2,364,165
REARVIEW MIRROR
Lowell F. Sarnes, Dearborn, Mich., assignor to Monarch Governor Company, Detroit, Mich., a corporation of Michigan
Application May 1, 1942, Serial No. 441,305
8 Claims. (Cl. 248—226)

1. A rear view mirror assembly for a vehicle body having a belt line molding provided with a removable section, comprising a mirror unit and a shank attached at its outer end thereto, a hollow attaching plate having a reinforcing member independent of said plate housed from end to end therein, screw and dowel means for securing the inner end of said shank to said attaching plate and reinforcing member, said attaching plate



being shaped and dimensioned like the said section of the molding and mounted in place of the said removable section in alinement with and entirely between the separated ends of the fixed portion of the molding thereby forming a continuous portion of the molding, and means secured to said reinforcing member for attaching the assembly to the body.

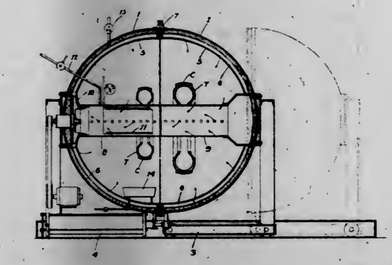
2,364,166
CONVEYER APPARATUS
Clark Scholl, Springfield, Ohio, assignor to The Steel Products Engineering Company, Springfield, Ohio, a corporation of Ohio
Application September 30, 1939, Serial No. 297,247
3 Claims. (Cl. 198—213)



1. A domestic stoker for withdrawing solid fuel from a bin and feeding the same forwardly to a retort to be delivered upwardly thereinto while preventing escape of fuel or dust and with a minimum of working and grinding of the fuel in transit comprising a first conveyer worm shaft extending in a straight line in a substantially horizontal plane from within the bin to a position forwardly thereof, flights on said worm shaft providing for feeding fuel forwardly, a closed conveyer tube enclosing the portion of said worm shaft forwardly of said bin preventing escape of fuel and dust therefrom and located closely adjacent the level of the bin floor, a second conveyer worm shaft having an end thereof overlapping the forward end of said first shaft and lying in the same horizontal plane therewith and in laterally spaced relation with respect thereto, said second worm shaft extending forwardly into the lower part of a retort, flights on said second worm shaft providing for feeding fuel forwardly with sufficient pressure to deliver the fuel upwardly to said retort, a closed conveyer tube enclosing said second worm shaft and extending forwardly to said retort to maintain the fuel passage closed and sealed, an enclosed transfer chamber in substantially said same horizontal plane for receiving the adjacent ends of said conveyer tubes in sealed relation and with the overlapping worm shafts exposed therein forming a transverse substantially horizontal passageway providing for free feeding of the fuel from the flight on said first worm shaft to the flight on said second worm shaft while retaining the fuel in said same horizontal plane, means on said

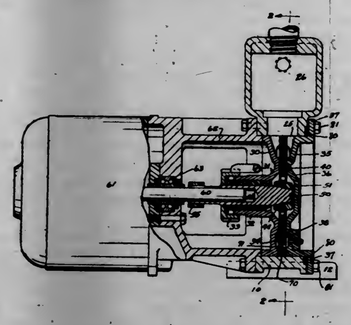
transfer chamber for rotatably supporting the adjacent ends of said worm shafts with extensions of said shafts extending outwardly beyond the enclosing walls of said transfer chamber respectively, power drive means mounted on said transfer chamber, and means providing separate direct connections extending downwardly respectively from said power drive means to said outwardly extended extensions of said worm shafts.

2,364,167
METHOD OF CURING RUBBER
Harry A. Scott, Omaha, Nebr., assignor to Super Mold Corporation of California, a corporation
Application May 31, 1941, Serial No. 395,914
2 Claims. (Cl. 18—53)



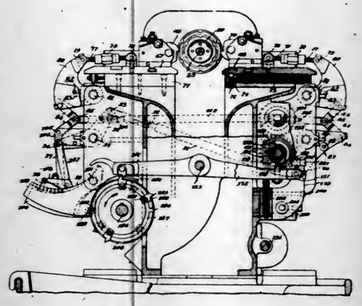
2. A method of curing tread rubber on tires comprising the steps of establishing an enclosed vulcanizing chamber, supporting and exposing a tire in said chamber, introducing water into the chamber in an amount approximating three per cent of the gross tire weight in said chamber, a surface of said water being exposed within the chamber, subsequently introducing a dry gas under pressure into the chamber, and then heating the gas to a vulcanizing temperature, the water evaporating at said temperature; and progressively raising the humidity within the chamber to a limited maximum extent.

2,364,168
IMPELLER PUMP
Walter A. Shallenberg, Salem, Ohio, assignor to The Deming Company, Salem, Ohio, a corporation of Ohio
Application May 18, 1943, Serial No. 487,452
6 Claims. (Cl. 103—83)



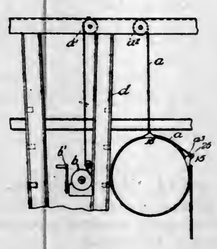
1. In an impeller pump, the combination of a rotary impeller and heads on opposite sides thereof defining the impeller chamber, a ring between the two heads beyond the periphery of the impeller and abutted on opposite sides by the heads, said heads being grooved by raceways terminating in intake and discharge passageways extending substantially radially outward, said ring extending arcuately across said passageways.

2,364,169
AUTOMATIC SCREW MACHINE
Frederick G. Silva and Wray S. Seymour, Rochester, N. Y., assignors to Davenport Machine Tool Co., Inc., Rochester, N. Y., a corporation of New York
Original application October 11, 1941, Serial No. 414,626. Divided and this application November 15, 1943, Serial No. 510,260
12 Claims. (Cl. 29—44)



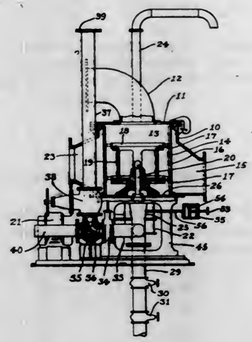
1. In an automatic screw machine having a frame and a work spindle thereon, the combination with said frame of a pair of tool cross slides movable on opposite sides of said frame, respectively, toward and from said spindle, a lever pivoted on said frame and connected with each slide, operating cam means for each slide, a pair of toggle links pivotally connected with said cam means and said lever, respectively, and having a pivotal knee connection with each other, and means for operating said cam means and said pairs of toggle levers for actuating said slides.

2,364,170
HOISTING SLING
Hermann Sonntag, Whittier, Calif., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif., a corporation of Delaware
Application December 3, 1943, Serial No. 512,717
10 Claims. (Cl. 294—74)



9. A load sling for a hoisting cable comprising a chain adapted to be wrapped around a load and having separable ends, a shoe included in the chain, having a bearing face for slidable engagement with the cable and by which a portion of the cable is deflected partially around the load from the vertical suspension line of the cable, and means connected to the end of the deflected portion of the cable and between the ends of the chain for tightening the load by tension on the cable when it is operated to move the load.

2,364,171
PULP SCREEN
Stephen A. Staege, Hamilton, Ohio, assignor to The Black-Clawson Company, Hamilton, Ohio, a corporation of Ohio
Application July 8, 1940, Serial No. 344,332
16 Claims. (Cl. 92—34)

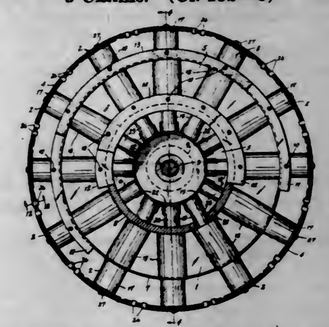


10. In a screening machine for paper pulp, in combination, a closed container adapted to receive paper pulp under pressure, said container having a screening surface and a reject collecting space at the bottom of the container on the supply side of the screening surface, a conduit extending downwardly from said space, means adjacent the lower end of said conduit for segregating and discharging measured quantities of finally rejected material, a branch passage extending laterally from said conduit ahead of said last-mentioned means, an oscillatory valve in said passage, a standpipe projecting upwardly from said valve for receiving a quantity of rejected material from said conduit dependent upon the pressure on the supply side of the screening surface, said branch passage having a discharge opening, said valve being operable to successively place said standpipe in communication with said passage and with said discharge opening, a reversible motor for operating said valve in reverse directions and providing continued valve movements while the motor is energized, and pressure responsive means subject to the pressure on the supply side of the screen for automatically deenergizing the motor when the pressure on the supply side of the screen is below a predetermined limit.

2,364,172
COATING COMPOSITIONS
Harry G. Stauffer, Drexel Hill, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 11, 1941, Serial No. 414,603
8 Claims. (Cl. 260—42)

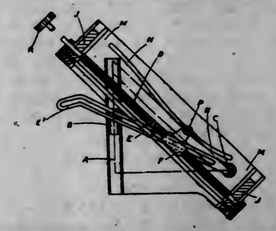
1. A coating composition comprising a vinyl resin at least part of which is a vinyl halide resin and a minor amount of a soluble condensation product of material selected from the group consisting of urea, and amino triazines, with formaldehyde and a monohydric alcohol, said minor amount being of the order of 2 to 15 per cent based on the weight of the vinyl resin.

2,364,173
SPRING WHEEL
Edward Stift, St. Louis, Mo.
Application November 8, 1943, Serial No. 509,383
3 Claims. (Cl. 152—6)



1. In a resilient vehicle wheel the combination comprising a plurality of radial spoke assemblies each assembly including a radial liquid containing cylinder fixed in the wheel, an outer member formed as a piston within the cylinder and bearing against a rim of the wheel, an inner member movable radially, resilient means for urging outwardly the outer member and for urging inwardly the inner member, a restricted port in the cylinder whereby movement of the piston is dampened, and a central floating ring whose periphery provides a seat for the inner end of said inner members on the spoke assemblies.

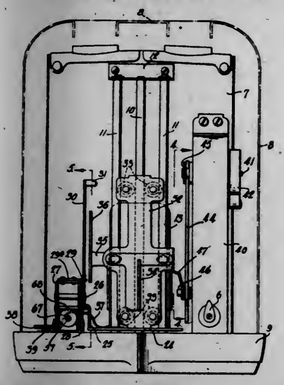
2,364,174
MECHANISM FOR THE CONVERSION OF MOTION ACCORDING TO ONE LAW INTO MOTION ACCORDING TO ANOTHER LAW
John Martin Strang and Ian Charles McLean Bell, Glasgow, Scotland, assignors to Barr & Stroud, Limited, Glasgow, Scotland
Application November 19, 1943, Serial No. 510,960
In Great Britain February 14, 1942
7 Claims. (Cl. 74—89)



1. Apparatus for the conversion of motion according to the reciprocal law to motion according to a uniform scale, comprising a base structure, a first rectilinear guide fixed on said base structure, a first element movable along the said guide, a pivot on the base structure at a fixed position to one side of said guide, a lever movable about said pivot and extending obliquely relative to said guide, means by which the first

element slidably and pivotally engages with said lever, a second rectilinear guide extending obliquely to the line of the first guide and intersecting the perpendicular from the lever pivot to the first guide at an intermediate point, a second element movable along the said second guide and slidably and pivotally engaged with the lever, means for applying translational movement to said second element along its guide, a carriage on which the second guide is mounted and which is movable relatively to the base structure and propelling means between said carriage and the said base structure operable by the aforesaid means for translating the second element simultaneously with the application of the translational movement to the latter, translational movement of the second element being converted reciprocally in its transmission to the first element.

2,364,175
TOASTER
Charles Roger Turner, Philadelphia, Pa., assignor to Proctor & Schwartz, Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application May 18, 1942, Serial No. 443,509
11 Claims. (Cl. 99—327)



1. In an automatic bread toaster, a clockwork for controlling the toasting operation, means for varying the duration of the toasting cycle to obtain toast of a desired color, means for varying the average energy input to the toaster throughout the toasting cycle, so as to vary the average toasting rate and thereby obtain varying degrees of crispness of the toast, said last-named means including a manually-adjustable switch operable by said clockwork to supply energy intermittently to the toaster, and means for correlating the speed of said clockwork with the adjustment of said switch so as to obtain the desired color of the toast irrespective of variation of the degree of crispness.

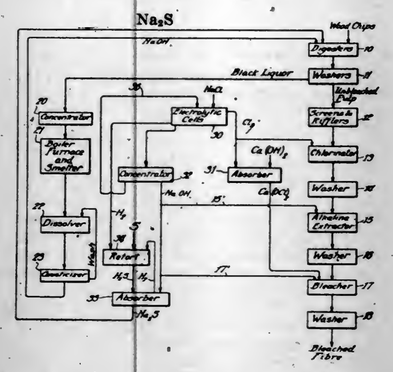
2,364,176
BALL STUD RETAINER
Louis Waldron, Albany, N. Y., assignor of one-third to John J. Cronin and one-third to Eugene J. Hoerdt, both of Albany, N. Y.
Application April 3, 1943, Serial No. 481,782
8 Claims. (Cl. 287—90)

1. A ball stud retainer for the steering gear of an automobile comprising a metal strap having a central portion provided with an aperture adapted to permit the ball stud of a ball and socket joint to pass therethrough and having marginal portions on said central portion adapted to be bent downwardly to engage the sides of the socket housing of said joint, and oppositely disposed straps extending from said central portion adapted to be bent downwardly along the sides



of said housing and across the bottom thereof; the ends of said straps being provided with apertures adapted to be brought into alignment under said housing for the reception of a securing means.

2,364,177
MANUFACTURE OF BLEACHED KRAFT PULP
Sidney D. Wells, Combined Locks, Wis., assignor to The Institute of Paper Chemistry, Appleton, Wis., a corporation of Wisconsin
Application May 1, 1942, Serial No. 441,258
6 Claims. (Cl. 92—9)

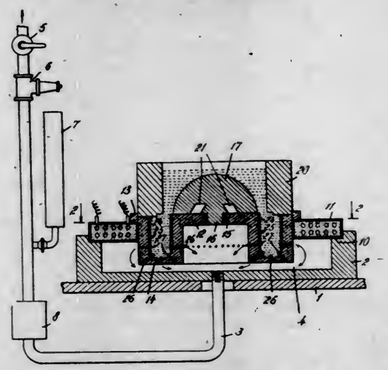


1. A balanced system for use in the preparation of bleached kraft pulp which comprises preparing unbleached pulp by cooking wood in a caustic soda-sodium sulfide digesting liquor, preparing a sodium salt smelt by heating the black liquor resulting from the cooking treatment, preparing a green liquor by dissolving the water solubles of the sodium salt smelt, preparing a fresh sodium hydroxide white liquor by a lime causticizing treatment of the green liquor, preparing electrolytic hydrogen and electrolytic chlorine and additional fresh sodium hydroxide white liquor by electrolysis of sodium chloride, preparing a fresh sodium sulfide liquor by reacting the electrolytic hydrogen with sulfur and absorbing the resulting hydrogen sulfide in sodium hydroxide white liquor, and subjecting the unbleached pulp to chlorinating and hypochlorite bleaching treatments, the chlorine for said treatments being electrolytic and being obtained by said electrolysis.

2,364,178
AMINOALKYLATION OF NITROGEN DERIVATIVES
Alexander L. Wilson, Sharpsburg, Pa., assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York
No Drawing. Application February 4, 1943, Serial No. 474,697
10 Claims. (Cl. 260—583)

1. Process for preparing N-(beta-aminoalkyl) amines which comprises reacting a beta-aminoalkyl hydrogen sulfate with one of the group consisting of ammonia, primary amines and secondary amines, in the presence of water and a water-soluble inorganic metal base.

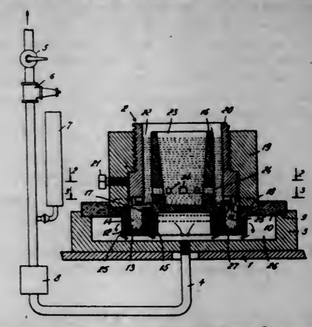
2,364,179
CASTING APPARATUS
Robert G. Wilson, Long Beach, Calif.
Application December 20, 1943, Serial No. 514,884
2 Claims. (Cl. 22—122)



1. An improved apparatus for casting diamond core bits which comprises a base plate, a mold, means for supporting the mold on the base plate, an electrical heating element in heat exchange contact with the exterior of the mold, a metal collar centered in and resting upon an upper portion of the mold, and a metal core centered in and resting upon an upper portion of the mold, said core being sufficiently smaller in outside diameter than the inside diameter of the collar that space is left for an appreciable body of metal above the core bit formed in the mold, and means for removing the core from the body of metal.

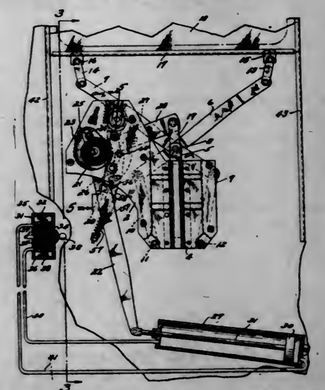
2,364,180
CASTING APPARATUS
Robert G. Wilson, Long Beach, Calif.
Application December 20, 1943, Serial No. 514,885
2 Claims. (Cl. 22—122)

1. An improved apparatus for casting diamond core bits which comprises a mold, an interior member constructed and arranged to cooperate with the mold to form an annular channel in which is poured the metal to form the bit, means for positioning and securing a multiplicity of diamonds in the annular channel during casting of the bit, a blank bit holder in concentrically spaced position around the interior member, means for securing the blank bit holder in secured alignment with respect to the mold, adjusting means for adjustably securing a blank bit in position with respect to the annular channel, a chamber for pouring metal into the interior member, an annular space between the interior member and the bit holder in communicating



contact with the annular channel, and a plurality of openings in the interior member connecting the chamber with the annular space.

2,364,181
POWER-OPERATED WINDOW REGULATOR
Edward L. Ackerman and Albert V. Crump, Detroit, Mich., assignors to Ackerman-Blaesser-Fezzey, Inc., Detroit, Mich., a corporation of Michigan
Application February 2, 1942, Serial No. 429,221
1 Claim. (Cl. 268—125)



In mechanism for raising or lowering a glass or sash in respect to a window opening in the body of an automotive vehicle having guides for the glass and spaced inner and outer walls providing a pocket below the opening, a plate secured to the outer surface of the inner wall of the pocket, a glass operating arm pivotally supported at one end by the plate, a member slidably supported by the plate, a link between the said member and the outer end of the said glass operating arm, a second arm pivoted to turn on the axis of the first named arm, a spring pressed latch element pivotally connected at one end with the glass operating arm and having a notch, a pin on the second arm engageable in the said notch when the arms are in desired angular relationship, a power element connected with the second of said arms controllable at will to turn the arms as a unit when the latch element is in engagement with the pin, and means for releasing the latch element from the pin to free the glass operating arm to turn independently of the arm connected with the power element, said

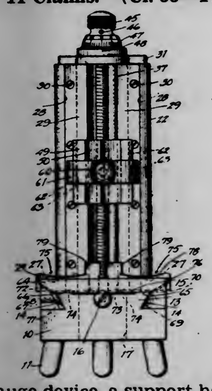
means comprising a latch pivotally supported by the plate and having an end in slidable contact with the first named latch, spring means for holding the first named latch in locked relationship with its pin, and manually operable means for turning the said second latch on its pivot to thereby release the first named latch and freeing the arm connected with the slidable member from the power apparatus.

2,364,182

GAUGING INSTRUMENT

Edward F. Ahlstrom, Kansas City, Mo., assignor to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware

Application September 24, 1942, Serial No. 459,493
11 Claims. (Cl. 33—174)



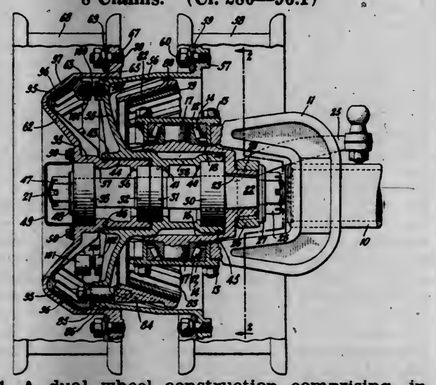
1. In a gauge device, a support having an opening therethrough and slideways diametrically opposed at each side of said opening, a pair of work-piece engaging calipering members both movably mounted in said slideways including means arranged to engage opposed sides of the work-piece and means adapted to be engaged by a calipering measuring device to determine the dimension of the engaged work-piece, one of said calipering members being located at each side of said opening.

2,364,183

DUAL WHEEL ASSEMBLY

Charles S. Ash, Milford, Mich.

Application July 23, 1942, Serial No. 452,004
8 Claims. (Cl. 280—96.1)



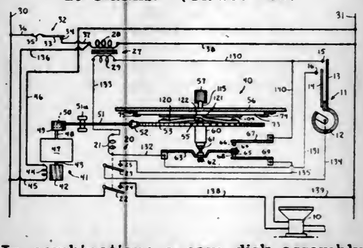
1. A dual wheel construction comprising, in combination, a sleeve, a non-rotatable spindle within the sleeve, a vertical pivot for dirigible movement of the sleeve and spindle, a dished wheel overlying the vertical axis of the pivot, a hub for the wheel rotatably mounted on the spindle having bearing support by spindle on either side of the vertical axis of the pivot, a second hub rotatably mounted on the spindle beside the first hub, and a wheel for the second hub.

2,364,184

CONTROL OF FUEL FEEDING DEVICES

Albert E. Baak, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application January 2, 1941, Serial No. 372,784
19 Claims. (Cl. 200—33)



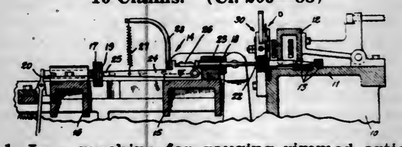
4. In combination; a cam disk assembly and a cam follower disk; means for mounting said cam follower disk and said cam disk assembly in parallel planes for relative rotation about a common axis; and means for causing relative rotation of said cam follower disk and said disk assembly about said common axis; said cam disk assembly comprising a substantially flat circular cam disk having alternately arranged dwells and depressions along its periphery, and a substantially flat second cam member having a circular opening substantially corresponding in diameter to the external diameter of said circular cam disk, said second cam member being mounted surrounding said circular cam disk with the faces of said cam members in a common plane, said second cam member having alternately arranged dwells and depressions along the edge of said circular opening, said circular cam member and said second member being rotatably adjustable with respect to each other to vary the amount of overlap of the dwells and depressions of the respective members; and said cam follower disk having a cam follower portion projecting axially into engagement with said cam disk assembly, said cam follower portion engaging both the outer portion of said circular cam member and the inner portion of said second cam member so as to drop into the depressions in said cam members only where said depressions overlap.

2,364,185

GAUGING MACHINE

Robert F. Belveal, Denver, Colo., assignor to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware

Application May 26, 1943, Serial No. 488,494
10 Claims. (Cl. 209—88)



1. In a machine for gauging rimmed articles, a discoidal member having radial gauging slots; flanges circumscribing said slots; means for feeding rimmed articles successively into said slots to engage the rims of said articles with the flanges of said slots, a gauging element constructed and arranged to be moved into contact with the rim of an article in one of said slots and to be displaced by said rim whenever the point of contact of said element with said rim is greater than a predetermined distance from the flange of said slot; and a member responsive to the displacement of said gauging element to pass or reject said article.

2,364,186

RUBBER-AMINE REACTION PRODUCTS

Frederick C. Bersworth, Verona, N. J., assignor to The Martin Dennis Company, Newark, N. J., a corporation of New Jersey

No Drawing. Application November 22, 1941, Serial No. 420,101
13 Claims. (Cl. 260—768)

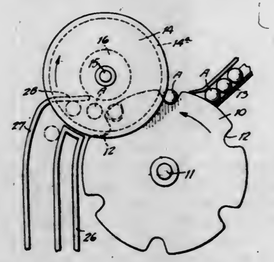
1. The process which comprises heating together, to a temperature of at least the boiling point, natural rubber and an organic amine having in each molecule at least one amino nitrogen atom, each such amino nitrogen atom being attached to no other atoms than carbon and hydrogen, each such carbon atom to which the amino nitrogen is attached being non-aromatic and also being attached to no other atoms than carbon and hydrogen, until said rubber is reacted to form a water-miscible liquid product, said amine being originally present in the ratio of at least 2 mols thereof to each 60 grams of said rubber.

2,364,187

GAUGING MACHINE

Edwin H. Birdsall, Golden, Colo., assignor to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware

Application October 24, 1942, Serial No. 463,257
5 Claims. (Cl. 209—108)



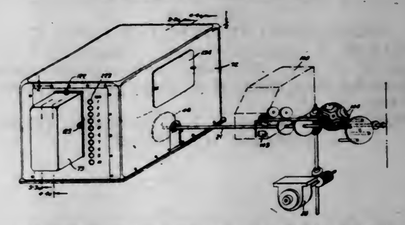
1. In a length gauge device, rotatable gauge means comprising a pair of spaced disc members having opposed parallel substantially rigid surfaces forming a passage for gauging the length of articles passed between said surfaces, at least one of said disc members being outwardly yieldable with respect to the other disc member through the engagement between said disc members of an overlength article, whereby such overlength article is gripped between said disc members, and a rotatable article feed carrier element rotatable in the opposite direction of rotation from said gauge means and having a plurality of spaced transversely extending open ended divergent walled article receiving pockets arranged to have passage between said disc members to successively feed articles between said disc members.

2,364,188

PHOTOGRAPHIC RECORDING APPARATUS

James W. Bryce, Glen Ridge, N. J., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application April 1, 1942, Serial No. 437,249
16 Claims. (Cl. 88—24)



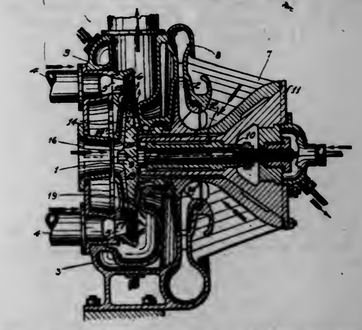
1. A machine for recording variable data in determined correlation to associated form matter on a suitable medium, comprising a source of prerepresented form matter, means for recording the form matter derived from said source upon the said medium, a source of variable character data, means to sense character data representations on records in succession, and means controlled by the sensing means in accordance with sensed character representations on successive records for causing recording, in succession, of lines of variable character data derived from the second named source upon the said medium in predetermined correlation to form matter recorded on the said medium.

2,364,189

COOLING DEVICE FOR TURBINE ROTORS

Alfred Büchi, Winterthur, Switzerland

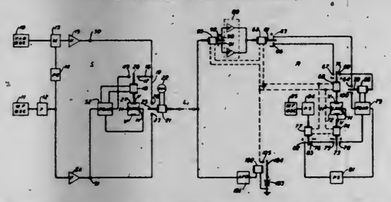
Application October 15, 1941, Serial No. 415,136
In Switzerland September 21, 1940
3 Claims. (Cl. 60—41)



1. In a cooling device for turbine rotors for hot power fluids, a turbine rotor having a disc-shaped wheel body, a bucket arrangement disposed on said wheel body, cooling fan blading means provided on said wheel body in driving association with said rotor for delivering a cooling medium, a casing for said rotor including side walls, the wall on the inlet side of the turbine providing conduction means for said cooling medium, delivered by said fan blading means for directing the cooling medium outwardly, sweeping and thus cooling said wheel body and then changing the direction of flow of the cooling medium at the periphery of the wheel body so as to pass axially across the rotor periphery to form a cooling and insulating layer to cool and protect the roots of the buckets and the rotor body from hot gases, and forwardly inclined flow-directing vanes ar-

ranged in the conduction means of the casing exteriorly beyond said cooling fan blading means immediately adjacent the rotor body for guiding said cooling medium in the direction of movement of said bucket arrangement.

2,364,190
MEASURING SYSTEM AND CIRCUIT
Montague S. Burgess, Queens Village, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 29, 1941, Serial No. 416,987
8 Claims. (Cl. 178—69)



5. The method of measuring the envelope delay of a transducer comprising the steps of transmitting over the transducer a first wave produced by modulating a wave of a measuring frequency with a wave of fixed frequency and a second wave which is a sinusoidal wave of the fixed frequency, applying said two waves alternately to one of the pairs of plates of a cathode ray oscillograph, and applying a wave of the fixed frequency to the other pair of plates at all times.

2,364,191
STOOL
James A. Campbell, Adrian, Mich., assignor of one-half to Charles T. Campbell, Adrian, Mich.
Application February 8, 1943, Serial No. 475,103
14 Claims. (Cl. 155—94)

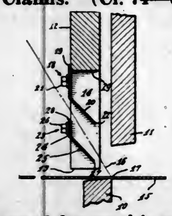


14. In an adjustable stool or the like, the combination of a vertically movable seat supporting post, a stationary tubular member telescoped over said post, a housing connected to said tubular member and encircling said post, said housing having a conical chamber therein, rolling elements in said chamber adapted for locking engagement between the conical wall of the housing and the surface of the post, shiftable sleeve means in said housing and comprising one sleeve extending upwardly from the upper end of the housing and a second sleeve extending downwardly from the lower end of the housing and frictionally held therein, said shiftable sleeve means cooperating with said rolling elements within the housing to dispose said rolling elements in operative locking position or to move the same into inoperative position, respectively, whereby said rolling members may be locked in one direction or released therefrom, said post having an annular recess adjacent its upper end to prevent jamming of the rolling members when the latter are moved into operative position, and abutments rigidly connected to said post at the ends thereof for shifting said sleeve means when the post approaches its upper and lower limits of movement.

2,364,192
SYNTHETIC PHENOLIC RESINS
William Charlton, Jack Blatchley Harrison, and Roy Basil Waters, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application February 18, 1942, Serial No. 431,442. In Great Britain February 20, 1941
8 Claims. (Cl. 260—53)

1. Process for the manufacture of improved phenolic varnish resins which comprises heating a di-o-methylol derivative of a p-alkyl-substituted monohydric phenol with an aliphatic aldehyde of 3 to 8 carbon atoms at a temperature of about 70°–160° C., in the presence of an acidic catalyst until no more water is evolved and then heating the residue to a temperature of about 160°–190° C. to harden the resin.

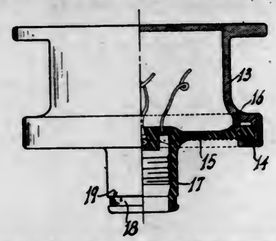
2,364,193
MACHINE GUARD
Thomas A. Columbe, Chicago, Ill., assignor to The Liquid Carbonic Corporation, Chicago, Ill., a corporation of Delaware
Application August 7, 1943, Serial No. 497,787
5 Claims. (Cl. 74—612)



1. A safety guard for machinery comprising an element mounted between the operator's station and the plane of movement of the actuated member of the machine and positioned so close to the work as to prevent the insertion of the operator's hand into said plane, said guard being provided with a window positioned in the line joining the operator's eye with the intersection of said plane with the work and means to prevent the insertion of the operator's hand therethrough, comprising a bar traversing said window between its top and bottom, a louvre plate projecting from the top of the window toward said plane and below the level of said bar, and a further louvre plate projecting from the level of said bar downwardly and toward said plane.

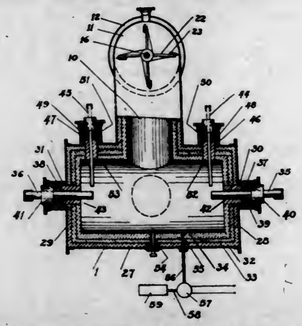
2,364,194
SHOCKPROOF LIGHT FITTING
Clyde J. Cortner, Long Beach, Calif.
Application January 20, 1943, Serial No. 472,956
2 Claims. (Cl. 173—338)

2. A shock-proof light fitting comprising an outlet box, a downwardly flaring flange about the lower end of the outlet box, an elastic disc having a recess in the upper face thereof, the walls of said recess being undercut to fit said flaring flange, a socket depending from the resilient disc and integrally formed therewith, said hub



being adapted and arranged to receive a light globe, and a spring ring encircling the socket adjacent the lower end thereof for constricting the socket about a light globe screwed into the socket.

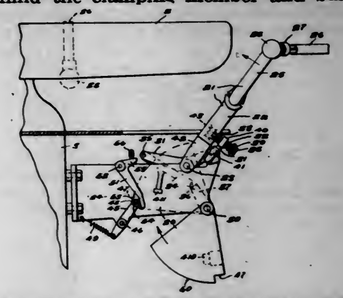
2,364,195
PROCESS OF MAGNESIUM PRODUCTION AND FURNACE EQUIPMENT THEREFOR
William Austin Darrah, Chicago, Ill.
Application June 22, 1942, Serial No. 447,884
4 Claims. (Cl. 75—10)



1. The continuous process of producing magnesium which consists in removing the carbon-dioxide from magnesium carbonates at a temperature such that the resultant oxide is relatively porous, mixing said calcined carbonate with non-carbonaceous reducing agent and subjecting the mixture under conditions of low pressure to the direct heat radiated from an electric discharge in low pressure magnesium vapors, to the upper outside surface of said mixture.

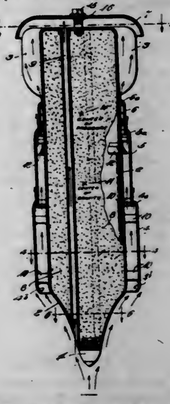
2,364,196
WORK CLAMP MECHANISM
Ernest Davis, Syracuse, N. Y., assignor to The Prosperity Company, Inc., Syracuse, N. Y., a corporation of New York
Application March 24, 1941, Serial No. 384,788
7 Claims. (Cl. 38—12)

1. A work clamping mechanism for pressing machines which includes an element on which the work is laid, said mechanism including a support, a manually shiftable work clamping member shiftably carried by the support, a normally inert member shiftably carried by the support, motion transmitting connections between the clamping member and the inert member to set the inert member in motion upon the operating movement of the clamping member, said motion transmitting connections including a lost motion means permitting the inert member to initially lag behind the clamping member and build up



momentum and finally overtake the clamping member and impart under its momentum an additional operating impulse to the clamping member.

2,364,197
BOMB STABILIZING MEANS
Raiemond E. Dee, deceased, late of New York, N. Y., by Dorothy L. Dee, administratrix, New York, N. Y.
Application April 23, 1941, Serial No. 389,969
6 Claims. (Cl. 102—2)

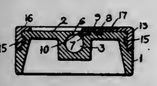


1. In combination with a bomb having a firing cap, stabilizing means for establishing said bomb in substantially vertical firing position comprising means for creating an induced drag at the upper end of said bomb, and means for increasing the parasitic drag longitudinally of said bomb, cooperative to delay the descent of the bomb and permit gravitational movement of the bomb into a substantially vertical firing position comprising a multiplicity of coaxial cylindrical shells surrounding said bomb in spaced relation to its external wall and overlapping at adjacent ends to form a confined stream of air adjacent the surface of said bomb during the descent thereof.

2,364,198
PENCIL SHARPENER
Roman de Maiditch, Montauk Point, N. Y.
Application March 10, 1944, Serial No. 525,828
8 Claims. (Cl. 120—93)

1. A pencil sharpener comprising a cylindrical base having a conical opening having its large

end at the periphery of the base and extending toward a diametrically opposite point of the base, the base having a recess at the upper side; dowel pins in the recess; a knife removably supported in the recess and having holes registering with



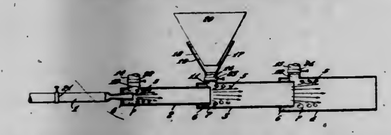
the pins, the cutting edge of the knife extending into the conical opening; a tubular cylindrical cap; and means to removably hold the cap on the base, the cap having a portion on top extending over the knife.

2,364,199

APPARATUS FOR PRODUCING ARTIFICIAL FOG OR SMOKE

Thomas S. Derr, Newton, Mass., assignor to American Steam Automobile Company, West Newton, Mass., a corporation of Massachusetts

Application January 18, 1943, Serial No. 472,725
3 Claims. (Cl. 252—359)



1. Apparatus for producing an artificial fog or smoke comprising a series of at least three interconnected nozzles, the second, and third nozzles being of greater cross-sectional area respectively than the first and second nozzles of the series so that a jet of gaseous fluid discharging from one nozzle into the next nozzle creates a zone of decreased pressure separated from the main jet by a zone of turbulence, the second, and third nozzles having inlets communicating with the zones of decreased pressure, means for introducing a dispersible material through one of the inlets, and means for introducing gaseous diluent through another of said inlets.

2,364,200

PREPARATION OF DIAMIDINO-STILBENES

Arthur James Ewins, Romford, and Julius Nicholson Ashley, Upminster, England, assignors to May & Baker Limited, Dagenham, England, a company of Great Britain

No Drawing. Application November 26, 1941, Serial No. 420,494
In Great Britain December 9, 1940
3 Claims. (Cl. 260—564)

1. Process for the production of an amidine derivative of the type Am.B.CH=CH.B.Am. in which Am. represents the amidine group and B represents a benzene nucleus, comprising reacting a nitrile of the type CN.B.CH=CH.B.CN with an alkali metal amide under heat in the presence of an inert organic solvent, filtering the resulting mixture, washing the residue with ether, acidifying the residue with dilute hydrochloric acid, boiling and filtering the resulting mixture, adding concentrated hydrochloric acid to the filtrate to precipitate the dihydrochloride of the amidine derivative of the said type, and isolating the free amidine derivative of the type

Am.B.CH=CH.B.Am

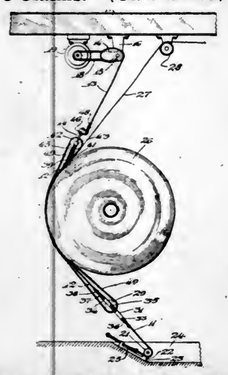
from the solution of its salt thus formed, by precipitation with caustic alkali.

2,364,201

WEB-TENSION EQUIPMENT

Harland Fankboner, Chicago, Ill., assignor to Allan J. Cline, Chicago, Ill.

Application January 17, 1941, Serial No. 374,912
8 Claims. (Cl. 242—75)



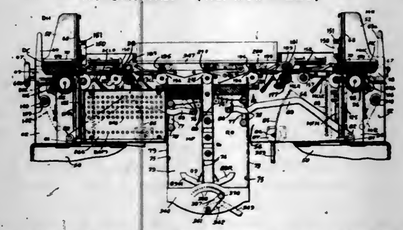
1. Web-tension equipment for printing presses comprising braking means including a strap arranged to apply braking pressure to the surface of a rotating web roll, and a belt arranged over the strap and in contact with the roll at the point of application of such pressure thereto, said belt being movable with the roll to thereby prevent marring of the surface of the web by the frictional contact of the braking means therewith.

2,364,202

RECORD CONTROLLED MACHINE

Eugene A. Ford, Scarsdale, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application February 27, 1936, Serial No. 66,033
42 Claims. (Cl. 209—110)



41. Apparatus for filing control cards, which cards have operating positions representing serial designations, certain of said positions being made operative to correspond with the designations of a record, and which cards are separated into two groups, the cards of one group being complemental in serial designations with respect to the cards in the other group, with the cards of each group arranged in serial order, said apparatus comprising a common receiver, means for withdrawing cards from each group, a pair of electrical sensing devices, each for sensing data designations in one of a pair of withdrawn cards, electrical circuit connections partially established under control of said sensing devices, means for completing said circuit connections, means for comparing operating positions of corresponding value in the withdrawn cards, said comparing means including said circuit connections and said means for completing said partially established circuit connections, and value differentiating selective means cooperating with said comparing means for ejecting into said common receiver the particular one of said compared cards having the lower designated value in a manner to form a single group in designation sequence.

2,364,203

ALKYLATION

Alfred W. Francis, Woodbury, N. J., and Ebenezer E. Reid, Baltimore, Md., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York

No Drawing. Application September 30, 1941, Serial No. 412,957
7 Claims. (Cl. 260—671)

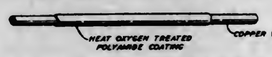
7. A process for preparing ethyl benzene which comprises passing benzene and ethylene in the vapor state through a liquid mass including aluminum chloride and diethyl benzene at about atmospheric pressure and a temperature of about 140° to 150° C., and separating ethyl benzene from the effluent vapors.

2,364,204

HEAT-OXYGEN TREATED POLYAMIDES

Calvin S. Fuller, Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application March 28, 1941, Serial No. 385,648
18 Claims. (Cl. 260—78)



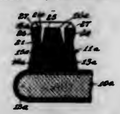
1. A body of thin cross section comprising a baked heat-darkened, tough, flexible, substantially infusible polyamide produced by heating in the presence of oxygen a body of thin cross section of a synthetic, saturated, linear polyamide identical with the condensation reaction product of a polymer-forming composition comprising reacting materials selected from the class consisting of (*a*) polymerizable saturated monoamino monocarboxylic acids and (*b*) mixtures of saturated diamines and saturated dibasic carboxylic acids, which polyamide has linear molecules of an average molecular weight corresponding to an intrinsic viscosity of at least about 0.1, said heating in the presence of oxygen being conducted for a short time at a temperature above the melting point of said linear polyamide and lying between about 125° C. and about 450° C. and being sufficient to darken said linear polyamide and to render it infusible but insufficient to decompose said linear polyamide until it becomes black in color.

2,364,205

GUM MASSAGING AND TOOTH POLISHING APPLIANCE

Leslie L. Fuller, Edmonton, Alberta, Canada

Application April 17, 1943, Serial No. 483,389
1 Claim. (Cl. 128—62.1)



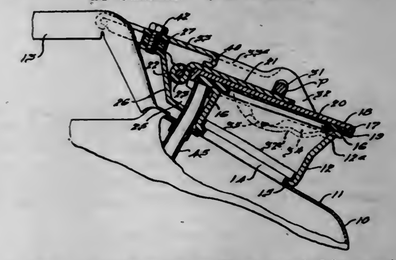
A massaging appliance comprising a handle, a plurality of similar massaging elements arranged in a row in spaced relation on an end portion of said handle, each massaging element comprising a rubber body fixed on said handle, said rubber body having a central cavity at its free upper end providing a rim portion, said rim portion having opposed concave cut-out portions, the cut-out portions of all of said massaging elements being aligned co-extensively with the longitudinal extent of said handle, a sponge rubber sheath encasing both sides of said rim portion and secured thereto, said sheath extending beyond the peripheral edge of said rim portion and having concave portions corresponding to and aligned with said cut-out portions, a sponge rubber core seated in said cavity and secured to said rubber body, the upper free end of said core being substantially in the plane of the peripheral edge of said rim portion, said core and sheath having an annular channel therebetween.

2,364,206

CAN CLOSURE

Alfred W. Gardes, Detroit, Mich., assignor to McCord Radiator & Mfg. Co., Detroit, Mich., a corporation of Maine

Application September 19, 1942, Serial No. 459,021
13 Claims. (Cl. 220—56)



1. The combination with a portable container having a pouring spout of a closure cap pivotally connected thereto, a locking lever pivotally connected to said closure cap and movable from an unlocked position substantially at right angles to said cap and to a locked position against said cap and in parallelism therewith, said locking lever and pouring spout being provided one with cam reaction lugs and the other with a plurality of arcuate cam surfaces curved in the same direction and connected by a reversely curved surface, one of said cam surfaces cooperating with said reaction lugs to exert a gradual wedging action to force said closure cap in tight sealing engagement with said spout as said locking lever is moved towards locked position, a stop for engagement by said lever when it is in locked position and said closure is sealed and the other of said cam surfaces operating to hold said lever against said stop after said cap has been moved into sealing engagement.

2,364,207

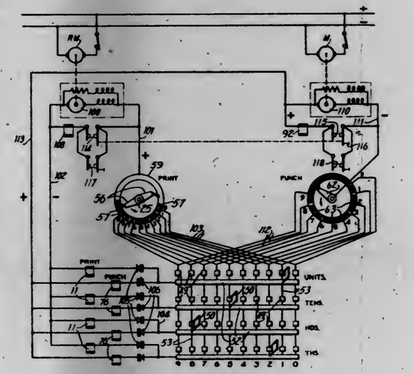
AUTOMATIC PUNCHING MACHINE

Ioino Ghertman, St. Mande, France, assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application January 30, 1941, Serial No. 376,597
In France February 26, 1940
3 Claims. (Cl. 235—61.9)

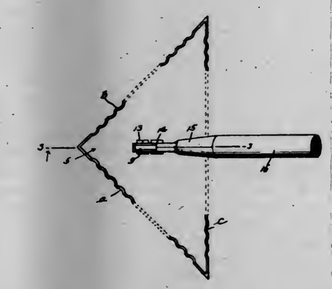
1. In a machine of the class described having a readout device comprising a plurality of contact segments, one for each digit, a common conductor and a wiper positionable to connect any digital segment with said conductor to represent a digit, in combination with an emitter, means including said emitter for sending an impulse of positive polarity to each of said segments in turn, a second emitter, means including said second

emitter for sending an impulse of negative polarity to each of said segments in turn, a pair of magnets, a connection from each magnet to said common conductor, each connection containing a unidirectional current flow device through which the magnets will be energized in accord-



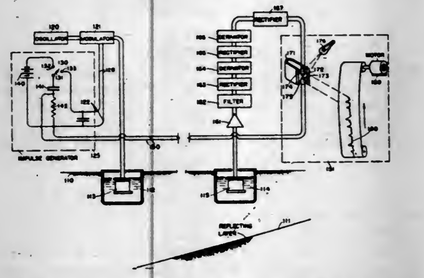
ance with the value of the digit represented, one magnet under control of the impulse from the one emitter and the other magnet under control of the impulse from the second emitter and separate return circuits for connecting each of said magnets to the corresponding impulse sending means.

2,364,208
CULTIVATOR BLADE
Benjamin F. Gravely, Charleston, W. Va.
Application July 14, 1943, Serial No. 494,713
1 Claim. (Cl. 97—68)



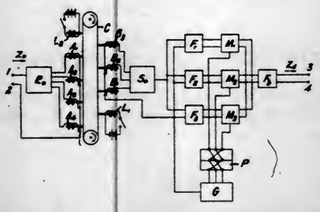
In a sub-soil hoe, a blade comprising a horizontal triangular plate concave on its under surface and convex on its upper surface, said plate having two similar relatively short edges and a single relatively longer edge, all of said edges being of straight formation and each being provided with a series of uniformly spaced arcuate indentations connected by very short straight edge portions, said indentations and straight edge portions being beveled on the upper side to a cutting edge, the edge portions of the plate at the corners thereof being straight and beveled on the upper side to provide V-shaped cutting edges, and means to attach a manipulating member to the top of the plate centrally of the latter.

2,364,209
SEISMIC PROSPECTING
William G. Green, Tulsa, Okla.
Application August 14, 1943, Serial No. 498,903
4 Claims. (Cl. 177—352)



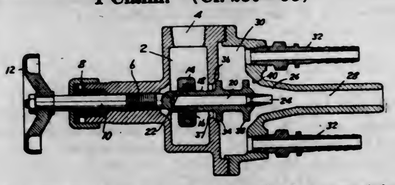
3. A system for conducting geophysical exploration comprising a transmitting station and a receiving station, said transmitting station containing an impulse generating means, said means being adapted to transmit an impulse through two separate chnnels, an oscillator, a modulator having its input terminals connected to one of said channels and to said oscillator whereby said modulator produces across its output terminals a carrier wave having the frequency of said oscillator and modulated by the impulse derived from said means, a generator of seismic waves connected to the output terminals of said modulator, said generator being imbedded in the ground and adapted to set up variations therein, whereby seismic waves may be sent through the earth, said receiving station comprising a receiving means imbedded in the ground at a convenient distance from said generator and a recording galvanometer, said galvanometer having one pair of its input terminals connected to said receiving means for recording its output and having another pair of its input terminals connected to the other of said channels for recording the instant of initiation of said impulse.

2,364,210
METHOD AND APPARATUS FOR SCRAMBLING SIGNALS
Gustav Guanella, Zurich, Switzerland, assignor to "Patelhold" Patentverwertungs- & Elektro-Holding A.-G., Glarus, Switzerland
Application May 8, 1942, Serial No. 442,246
In Switzerland May 10, 1941
31 Claims. (Cl. 179—1.5)



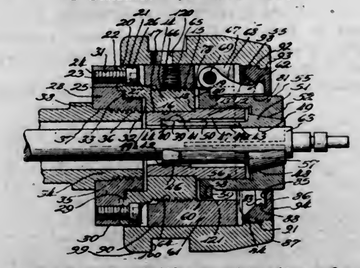
1. Method of scrambling messages which comprises dividing the message into a plurality of frequency bands, subjecting the elements of recurrent groups of signal elements of the individual message frequency bands to a time-delayed scrambling, and subjecting elements of recurrent groups of signal elements in the bands to a frequency-substitution scrambling.

2,364,211
APPARATUS FOR INFLATING AND DEFLATING PONTONS OR THE LIKE
Alfred N. Gustafson, West Chester, Pa., assignor to Schramm, Inc., West Chester, Pa., a corporation of Pennsylvania
Application April 30, 1943, Serial No. 485,211
1 Claim. (Cl. 230—95)



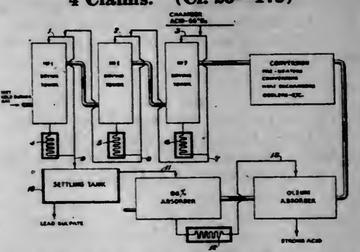
A device of the type described comprising a chamber, means providing a passage through which said chamber may be supplied with compressed gas, a second chamber, means providing at least one passage through which flow may occur to and from said second chamber, a longitudinally movable member providing an ejector nozzle, means providing a connection between the first chamber and the ejector nozzle, means providing an ejector passage extending in the direction of movement of said member and communicating with said second chamber and into which said nozzle projects, a passage between said first two chambers, and valve means associated with said movable member arranged so that, in one position thereof, communication between the first chamber and the nozzle and between the second chamber and the ejector passage is cut off, and free communication is opened between the first and second chambers, and, in another position thereof, communication between the first and second chambers is interrupted and free communication is opened between the first chamber and the nozzle and between the second chamber and the ejector passage, so that in said two positions the second chamber may be supplied with gas under pressure and be subjected to suction, respectively.

2,364,212
COLLET CHUCK
Rufus E. Hines, Chicago, Ill.
Application July 22, 1943, Serial No. 495,683
5 Claims. (Cl. 279—50)



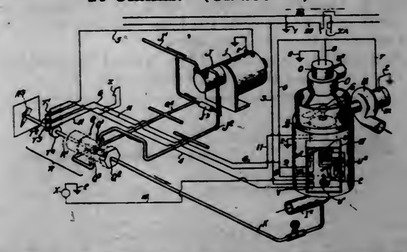
1. In a collet chuck, the combination of a chuck body having an axially extending bore and an abrupt shoulder for seating a collet in said bore, with a tubular collet having an external cylindrical surface for engagement in the bore of the said body, and having a slotted receiving end with a frustoconical camming surface on its exterior, said collet having a through-bore for receiving a work piece of predetermined size, a plurality of resilient fingers pivotally mounted on said chuck body and extending in a general axial direction with respect to said body, a closing member telescopingly mounted on said chuck body and having a frustoconical inner surface for engagement with the complementary camming surface on the exterior of said collet, said fingers engaging surfaces on said closing member to urge the closing member in an axial direction to close the collet, an actuating member slidably mounted on said chuck body, said actuating member having a camming surface for simultaneously engaging all of said fingers, and means for moving said actuating member in an axial direction to cause a contraction of said fingers toward the chuck body and a closing of said collet, while the chuck and actuating member is rotating.

2,364,213
MANUFACTURE OF SULPHURIC ACID BY THE CONTACT PROCESS
Carl V. Herrmann, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application March 21, 1942, Serial No. 435,671
4 Claims. (Cl. 23—175)



1. In the manufacture of sulphuric acid by the contact process in which moisture laden gas utilized in the production of the sulphur trioxide is dried, the steps of drying said gas by contact with extra-process lead-containing sulphuric acid of drying strength, said drying effecting sufficient dilution to cause precipitation of lead sulphate, producing sulphur trioxide from said gas, separating precipitates from the spent drying acid and absorbing sulphur trioxide in the acid thus obtained from the spent drying acid.

2,364,214
AIRPLANE HEATING SYSTEM CONTROL
Frederic O. Hess, Germantown, and Richard E. B. Wakefield, Aldan, Pa., assignors to Selas Corporation of America, a corporation of Pennsylvania
Application September 5, 1941, Serial No. 409,612
10 Claims. (Cl. 237—2)



1. The combination with an airplane, of a heating system therefor comprising a heater having a chamber, means for supplying a mixture of combustion air and atomized gasoline to said

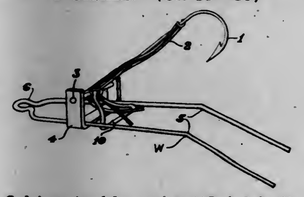
chamber including a fan having an inlet for atmospheric air and a rotary impeller, an electric driving motor rotating said impeller at a speed which increases and decreases as the air density at said inlet is decreased and increased by changes in airplane altitude, and means including a fuel valve for discharging gasoline into atomizing engagement with said impeller at a rate regulated by the adjustment of the valve, a control element operatively connected to said valve and manually adjustable between off and starting positions, in which the valve is respectively closed and wide open, through an intermediate throttling range, said valve being adapted to open to an extent which progressively increases as the adjustment displacement of said element from its off position increases and which becomes sufficient to supply all the gasoline required for the complete combustion of said mixture when the valve is at the end of its throttling range remote from said off position and which is sufficient, when the valve is in said starting position, to supply gasoline at a rate sufficient to form a rich starting mixture including more gasoline than is required for complete combustion, and means actuated by said element to stop and start operation of said motor as said control element respectively approaches and moves away from said off position.

2,364,215

SELF-SETTING RETRACTOR HOOK

Harry E. Hobson, Dallas, Tex.

Application February 18, 1941, Serial No. 379,403
5 Claims. (Cl. 43—39)



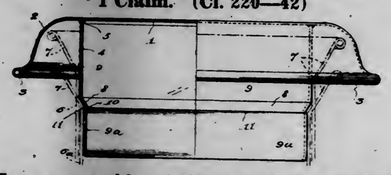
1. In fishing tackle, an artificial bait provided with a body portion, substantially parallel spaced members extending rearwardly therefrom affording a pair of opposed planes, a lateral enlargement of each plane near its terminus, a pin carried transversely in the body portion, a fish hook movably mounted on the pin and adapted to pass between the planes, and resilient means adapted to normally keep the point of the hook without the space between the planes.

2,364,216

COVER FOR MILK DELIVERY CANS

John A. Hopwood, Great Neck, N. Y., assignor to Hopwood Retinning Co., Inc., Jersey City, N. J., a corporation of New Jersey

Application June 30, 1943, Serial No. 492,897
1 Claim. (Cl. 220—42)



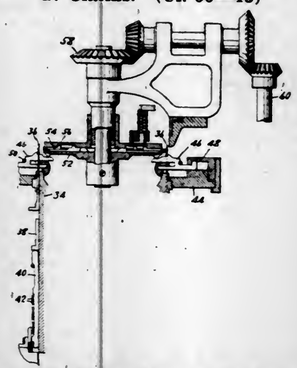
In an assembly of the character described, a milk deliver can comprising a substantially cylindrical neck surmounted by an upwardly and outwardly flaring substantially frusto-conical lip, in combination with a cover having a rim with consecutive portions of its length of different diameters, one of which is such as to fit the cylindrical neck of said can and another of which is such as to fit a like can having a neck of the same kind but of a different diameter, the consecutive rim portions being joined to one another by an inclined offset having substantially the same angle of inclination as the flare of the lip of the can.

2,364,217

KNITTING METHOD AND MACHINE

Harold E. Houseman, Laconia, N. H., assignor to Scott and Williams, Incorporated, Laconia, N. H., a corporation of Massachusetts

Application March 28, 1939, Serial No. 264,533
17 Claims. (Cl. 66—43)



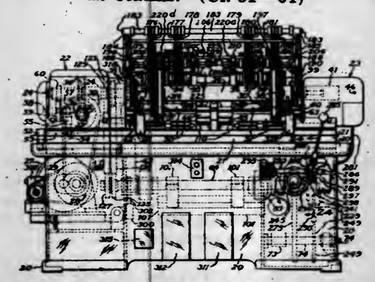
1. The method of knitting a stocking on a two feed, circular knitting machine comprising knitting a rib top from yarn at one of said feeds, automatically bringing into action the other feed to knit a leg portion of the stocking by rotary knitting while feeding to the needles yarns from both feeds, and thereafter knitting above the heel of the stocking a split portion of the stocking by reciprocatory knitting, one of the split portions being formed from yarn at one feed and the other from yarn at the other feed.

2,364,218

CAM LAPPING MACHINE

Herbert S. Indge, Westboro, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts

Application June 7, 1943, Serial No. 489,907
12 Claims. (Cl. 51—64)



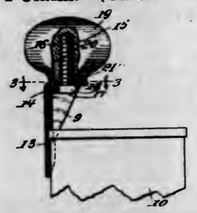
1. In a cam lapping machine having a base, means including a rotatable motor driven headstock spindle to rotate a camshaft, a rotatable master cam, a synchronous drive between said spindle and master cam, a slidably mounted lapping arm, a follower on said arm which engages said master cam, means including a motor to reciprocate said lapping arms during a lapping operation, and an electrical control system including an electrical time delay relay which is operatively connected after a predetermined time interval to stop said lapping arm reciprocation and thereafter to stop the rotation of said headstock spindle after a lapping operation has been completed.

2,364,219

CAN OPENER

Carl W. Johnson, Phoenix, Ariz.

Application July 26, 1943, Serial No. 496,193
1 Claim. (Cl. 30—16)



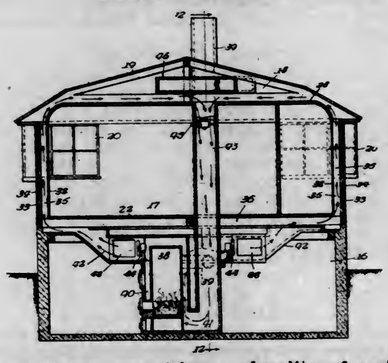
A can opener comprising an arcuate guide plate adapted to closely conform to the side of a can, an extension on the upper end of the guide plate projecting forwardly at a right angle to said guide plate adapted to overlie the top of the can and having an aperture, a blade of inverted substantially pyramidal contour below the extension, a threaded shank for the blade non-rotatably projecting through said opening, a knob threadedly engaged on the shank, the knob and the blade engaging the upper and lower sides of the extension respectively to clamp the parts of the opener in assembled relation, and a polygonal shoulder formed at the base of the shank to increase the bearing area of the connected end of the blade against the under side of said extension and to provide a tool engaging means.

2,364,220

BUILDING

Herbert S. Johnson, Chicago, Ill.

Application July 10, 1942, Serial No. 450,425
1 Claim. (Cl. 257—8)



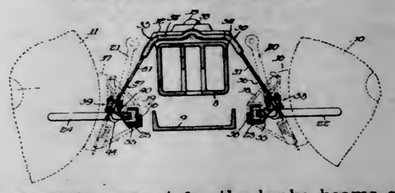
A building comprising a plurality of sections, a basement, and an attic, the walls of the building being provided substantially throughout with air passageways which are substantially coextensive with the outer walls of the sections, a plurality of air spaces below the floor corresponding to the several sections and constituting air passageways connected with the air passageways of the side walls, the passageways of the walls also communicating with the attic, means for regulating the temperature of the air, a plurality of ducts from the temperature regulating means leading to the several air spaces below the sections, fans for circulating the air through the respective ducts, a common return pipe leading from the attic to the temperature regulating means and means for controlling the circulation around any of the sections, as desired.

2,364,221

SAFETY SUPPORT FOR BRAKE BEAMS

Lawrence W. Kass, Chicago, Ill., assignor to Grip Nut Company, Chicago, Ill., a corporation of Illinois

Application October 10, 1942, Serial No. 461,538
16 Claims. (Cl. 188—210)



1. A safety support for the brake beams of a car truck comprising a semi-rigid member shaped to straddle the bolster of the truck in spaced relation thereto with its opposite end portions depending therefrom, and means to attach the depending opposite end portions of said member to the brake beams, each of said means comprising a clamp adjustable along said semi-rigid member, and gripping means in said clamp to fixedly secure it at any desired point along the length of an end portion of said member.

2,364,222

CONTROL OF WAX DEPOSITION

David S. Kaufman, Port Arthur, Tex., assignor to Texaco Development Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application March 13, 1942, Serial No. 434,595
8 Claims. (Cl. 252—8.55)

1. The method of controlling the deposition of wax in a conduit in which a crude petroleum oil having a tendency to deposit wax is flowing, which comprises continuously injecting a small amount of a wax crystal modifier into the oil, said wax crystal modifier being a high molecular weight composition in which wax deposited from said crude petroleum oil is substantially insoluble.

2,364,223

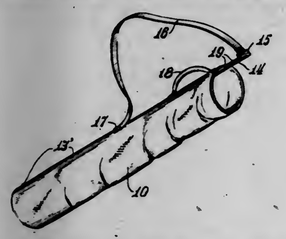
GOLF CLUB CARRIER

Melville Keim, Chicago, Ill.

Application May 15, 1943, Serial No. 487,115
3 Claims. (Cl. 150—1.5)

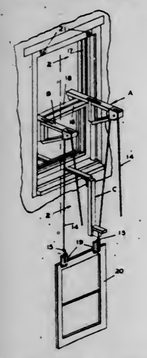
1. A golf club carrier comprising a hollow elongated receptacle for golf clubs, a rigid carrying bar for said receptacle secured to a wall thereof, said bar extending longitudinally along a major portion of said wall and projecting beyond the mouth of said receptacle, a shoulder strap having one end secured to said bar approximately medially of the receptacle and its other end attached to the projecting portion of

said bar, said receptacle adapted to receive the shanks of said clubs with the heads of the latter



adjacent said mouth below the point of attachment of said strap to the projecting portion of the bar.

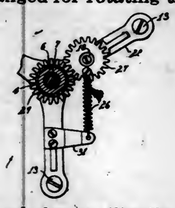
2,364,224
HOISTING MEANS
Adolph Keller, Glendale, Mo.
Application December 13, 1943, Serial No. 514,013
15 Claims. (Cl. 214—95)



1. In hoisting means for association with a window, a bracket having a part for positioning adjacent the inner side of a window sash frame and a second part overlying said frame, an arm pivoted to the second part of the bracket and having a portion for association with the outer side of a window sash frame when the arm extends from the bracket outwardly with respect to the window, said pivoted connection permitting the arm to be swung about the bracket to a position where it is in overlying relation to the second part of said bracket, means comprising an additional sash flange abutting part on the bracket for maintaining the bracket in position on the sash frame when the arm is swung to the overlying position but permitting ready mounting and removal of the bracket, and a pulley carried by the outer end of the arm.

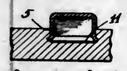
2,364,225
SEAT SUPPORT
Walter J. Kiefer, Belvidere, Ill.
Application February 10, 1944, Serial No. 521,775
11 Claims. (Cl. 155—95)

11. In a self-aligning counter stool, a pedestal, a stationary gear on the pedestal, a frame for attachment to the under side of a chair seat pivotally supported on the pedestal, a toothed member pivotally mounted on said frame for rotative movement in mesh with said gear, and spring means anchored on said frame and operatively connected with said member eccentrically of its pivot arranged for rotating the frame about



the pedestal and for resiliently retaining the frame at a predetermined normal position.

2,364,226
INLAID ARTICLE
James J. Larmour, West Orange, N. J., assignor to Plastic Inlays, Inc., Summit, N. J., a corporation of New Jersey
Application May 17, 1940, Serial No. 335,718
8 Claims. (Cl. 41—35)



1. An article of manufacture comprising, in combination, a member made of a plastic molding material having a preformed channel-shaped recess therein adapted to receive portions of a decorative member, and a decorative member made from relatively thin metal having a substantially channel-shaped cross section with the legs of the channel extending into said recess and having a length substantially greater than the depth of the recess, and with portions at the free edges of said legs flared out of the normal planes thereof into engagement with the walls of said recess to lock said decorative member with said first member, the upper portion of said decorative member projecting above the surface of said first member in final inlaid position.

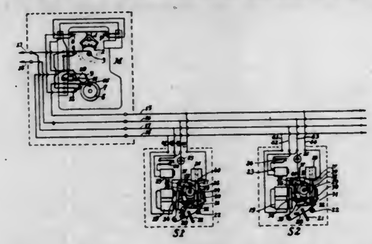
2,364,227
PRODUCTION OF POLYMERIC VINYL MATERIALS WITH AN IMPROVED RESISTANCE TO WATER
John Richard Lewis, Leslie Budworth Morgan, and John Thomas Watts, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application November 5, 1941, Serial No. 417,880. In Great Britain December 6, 1940
8 Claims. (Cl. 260—88)

1. A process which comprises polymerising vinyl chloride in the form of an aqueous emulsion in the presence of a dispersing agent having solubility in water selected from the group consisting of salts of pure sulphonic acids of organic compounds containing at least 8 carbon atoms and salts of sulphuric acid esters of organic compounds containing at least 8 carbon atoms and thereafter isolating the polymeric material from the aqueous dispersion by adding a water-soluble lead salt thereto.

2,364,228
TIME SYSTEM
Richard L. Lorenz, Chicago, Ill., assignor to General Time Instruments Corporation, New York, N. Y., a corporation of Delaware
Application September 16, 1942, Serial No. 458,601
7 Claims. (Cl. 58—24)

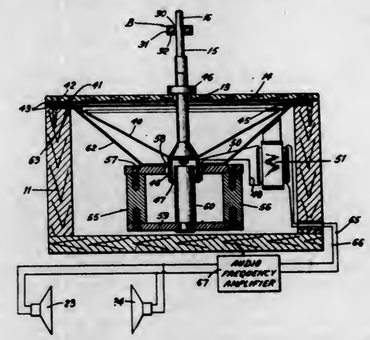
1. In a secondary apparatus for use in a corrective time system, an impulse magnet and an

armature therefor for effecting all advancing movements of said apparatus, means automatically effective when said apparatus reaches a predetermined chronological position for mechanically blocking said armature in its attracted position to prevent effective movement thereof by



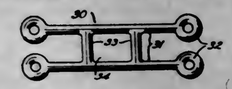
said magnet, a second magnet for removing said blocking means from blocking position, and means for holding said blocking means in non-blocking position until said apparatus has advanced from said predetermined chronological position.

2,364,229
BEARING TESTING DEVICE
Paul W. McCormack, Vestal, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application August 14, 1943, Serial No. 498,719
4 Claims. (Cl. 73—67)



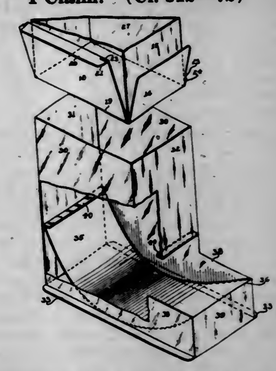
1. In a device for testing rolling contact bearings of the type including two race elements separated by anti-friction bodies, the combination of a spindle element having an outer end portion on which each bearing is adapted to be placed for test with one race element centrally mounted against turning on said end portion and with the other race element adapted to be spun by the test operator; means for resiliently supporting said spindle so that when said other race element is spun, irregularities in the contact surfaces of the bearing are converted into vibratory movements of said spindle which movements vary in accordance with the characteristics of such irregularities; a coil of wire fixed to the other end of said spindle and having its ends connected to provide a closed circuit; a magnet stationarily supported so that its magnetic lines of force pass through the convolutions of said coil; means for amplifying the E. M. F. induced in said circuit due to the spinning of the bearings; and means for converting the amplified E. M. F. into sound audible to the test operator.

2,364,230
ASSEMBLY DEVICE
Robert H. McKanna and James L. Ross, Dearborn, Mich., assignors to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application December 17, 1941, Serial No. 423,396
1 Claim. (Cl. 29—285)



In an engine assembly means to retain a connecting rod temporarily with respect to an engine block, supporting means adapted to engage the shank of an engine connecting rod intermediate the bearings thereon, comprising, a pair of risers of flexible and resilient material disposed in spaced side by side position and in substantial parallelism, a pair of spaced rungs of said material integrally joined to and extending between said risers intermediate the ends of said risers, said risers and rungs being so spaced that the area defined therebetween conforms substantially to the cross section of the shank of said rod and is substantially less than the projected area of the bearings on said rod, and eyelet means formed integral with said risers at the ends thereof, said eyelet means adapted to engage studs on said engine block.

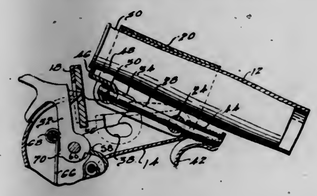
2,364,231
DISPENSING APPARATUS
Frank L. MacNeill, Worcester, Mass., assignor to Standard Paper Goods Mfg. Co., Worcester, Mass., a corporation of Massachusetts
Application December 8, 1942, Serial No. 468,233
1 Claim. (Cl. 312—72)



A dispensing and storing apparatus comprising a casing having rear, front and side walls forming a rectangular tube which is open at its top, the lower end of the front wall terminating above the lower ends of the other walls and the side walls being L-shaped to provide extensions forward of the front wall, a bottom plate means beneath the tube which is so arranged that the lowermost of round articles filling the tube will lie beneath and forward of the front wall and be exposed for manual removal, the casing being open at the top of the extensions, a closable, open ended storage container for said articles shaped as a parallelepipedon and slidably fitting within the top of said tube and said container having a closed top end for holding articles when reversed and bottom end flaps having interengaging means foldable from a closure position to an open position

where the flaps are held between a container wall and a wall of the tube, and a support on an inner wall of the tube which holds the open end of the container above said bottom plate and a cooperating support at the lower edge of the front wall, said supports permitting discharge of the contents of the container, said parts being so constructed that the assembled tube casing and container may be reversed to return the unused articles to the container and the latter then withdrawn and its end flap restored to a closure position for securing the articles within the container.

2,364,232
PISTOL
Herbert E. Mills, Detroit, Mich., assignor to Eureka Vacuum Cleaner Company, Detroit, Mich., a corporation of Michigan
Application August 24, 1942, Serial No. 455,834
8 Claims. (Cl. 42—44)



1. A breech loading pistol comprising a frame having a breechblock and a projection extending forwardly thereof, a handle, a barrel arranged so that the rear end thereof may be open or closed by said breechblock, firing mechanism and a trigger therefor, a connection between said barrel and projection for supporting said barrel in a closed position wherein the rear end thereof is closed by said breechblock and in an open position wherein the barrel is disposed so that the breech end thereof is open and for movement between said positions, a breech latch associated with the barrel and projection and operable for holding said barrel in said closed position, a member connected with said latch and adapted to be manually moved for releasing said latch and for moving said barrel from its closed to its open position, said member having a part thereof positioned forwardly of said trigger so as to be operable by a finger of the operator, an extractor normally positioned to engage a shell in said barrel and positively connected to said member for actuation thereby upon movement thereof to extract a shell from the breech end of said barrel simultaneously with the movement of said barrel from its closed to its open position, and a spring opposing movement in one direction of said finger operated member in response to pressure thereon and operable for returning said latch to its operable position and said extractor to its normal position, irrespective of whether the breech end of said barrel is open or closed, when such pressure is released from said finger operated member.

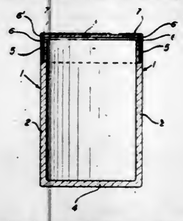
2,364,233
REMOTE CONTROL STEERING AND PROPULSION MECHANISM
Leonard Morey, Salem Center, N. Y.
Application April 12, 1939, Serial No. 267,378
6 Claims. (Cl. 46—210)

1. The combination with a vehicle and drive shaft therefor, of an air motor carried thereby, a single-passaged flexible conduit leading from the motor, an air compressor connected to the conduit and actuated remotely from the vehicle, for driving the motor, said compressor being of a type adapted to supply a continuous flow of superatmospheric pressure to the conduit on actuation thereof in one direction and to extract



air from the conduit causing a continuous flow of subatmospheric pressure within the conduit on actuation of the compressor in the opposite direction, the motor being of a type adapted to cause rotation of said shaft in one direction in response to superatmospheric pressure in the conduit and in the opposite direction in response to subatmospheric pressure in the conduit.

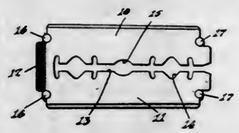
2,364,234
CONTAINER AND METHOD OF MAKING THE SAME
Jacque C. Morrell, Chevy Chase, Md.
Application August 12, 1942, Serial No. 454,597
4 Claims. (Cl. 229—5.7)



1. A cylindrical container having a lateral wall, a top and a bottom comprising the end closures of said container, said wall being constructed of a laminated fibrous base impregnated with a binder, the opposite ends of said wall having a metal collar embedded therein in interlocking relation therewith and projecting therefrom, said top and bottom being secured to the free ends of said respective collars by means of a flanged portion of said collars consisting of a horizontally flared flange extending outwardly, a vertical flange extending upwardly and a reverse flange extending over and retaining the said closure, said flanged portion being positioned beyond the adjacent end of the wall in non-embracing relation with respect to said wall with the flared flange extending substantially in the plane of the end edge of said wall, the binder in said wall functioning to seal said collars in said wall and said collars being held to said wall substantially solely by the embedded ends of the said collars.

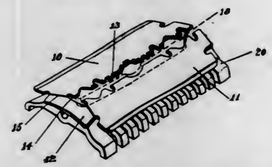
2,364,235
METHOD OF MANUFACTURING OPEN-END BLADES
Joseph Muros, Cambridge, Mass., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware
Application February 4, 1944, Serial No. 521,145
4 Claims. (Cl. 76—104)

1. The method of manufacturing open-end safety razor blades, which includes the steps of providing a blade having two side sections separated by a medial longitudinal slot, contracting the slot at the open end of the blade to less



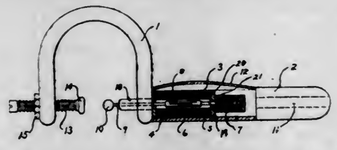
than its initial width, and heating the blade to set its side portions in the position thus determined.

2,364,236
SAFETY RAZOR BLADE
Joseph Muros, Cambridge, Mass., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware
Application February 19, 1944, Serial No. 523,005
5 Claims. (Cl. 30—351)



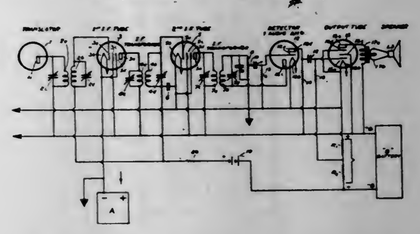
1. An open-end blade for safety razors, having side portions and a solid, flexible transverse hinge at one end, the side portions being spaced apart at the other end of the blade and having sharpened outer edges, the outer end of said solid hinge being permanently deflected from the plane of the blade through a small angle.

2,364,237
ELECTRICAL CALIPER
Joseph J. Neff, South Euclid, Ohio, assignor, by mesne assignments, to Jack & Heintz, Inc., Cleveland, Ohio, a corporation of Ohio
Application November 8, 1943, Serial No. 509,410
3 Claims. (Cl. 33—147)



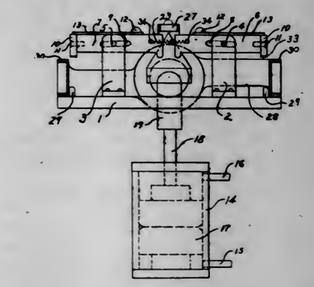
1. An electrical caliper comprising a U-shaped frame, a partially tubular handle attached to one side of the frame, said handle having a bore at one end, a displacement pickup mechanism fixed within the tubular portion of the handle adjacent to the frame, said mechanism including a driving coil and two pickup coils, one of said pickup coils being mounted on either side of the driving coil and all of said coils being wound about the same axis, an armature centrally disposed within the coils, a spring acting on said armature shaft to normally maintain the armature in its central position within the coils, a stylus finger attached to the armature and a stylus ball fixed to the end of the stylus finger, a stud attached to the frame to guide the stylus finger, and an adjustable abutment mounted on the opposite side of the frame so as to be coaxial with the stylus finger.

2,364,238
BATTERY RADIO RECEIVER
Madison G. Nicholson, Jr., Verona, N. J., assignor, by mesne assignments, to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application August 30, 1941, Serial No. 409,078
5 Claims. (Cl. 250—20)



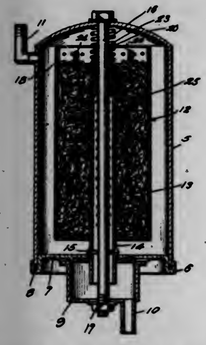
1. Radio receiving apparatus comprising, in combination, a plurality of vacuum tubes including at least one radio frequency amplifier each having a control electrode and an anode, connected in cascade, a battery source for supplying B voltage connected to the anodes of said tubes, a resistance in series with said battery source, a direct current voltage connection between the negative side of said resistance and the control electrode of said radio frequency amplifier, and a biasing battery included in circuit with said resistance and said control electrode, said biasing battery being poled to oppose the bias impressed on said control electrode by the voltage drop through said resistor, the magnitude of the voltage of said biasing battery impressed on said circuit being less than the voltage drop through said resistance for full voltage of said B voltage source.

2,364,239
CLAMPING DEVICE
Wesley E. Parks, Bedford, Ohio, assignor, by mesne assignments, to Jack & Heintz, Inc., Cleveland, Ohio, a corporation of Ohio
Application November 9, 1943, Serial No. 509,629
4 Claims. (Cl. 90—60)



1. A clamping device comprising a base, two standards mounted on the base, complementary spaced clamping devices pivotally and slidably attached to each standard, resilient means normally forcing said devices toward each other, a slidably mounted wedge normally positioned so as to bear on the adjacent ends of the clamping devices and operable to spread the two apart against the action of said resilient means.

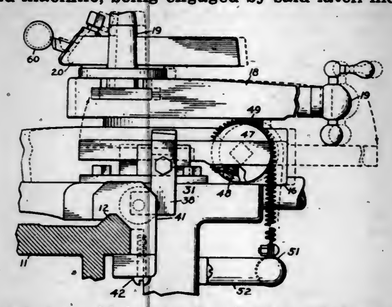
2,364,240
OIL FILTER
Albert Thomas Parry, Norway, Kans.
Application May 25, 1943, Serial No. 488,411
1 Claim. (Cl. 210—131)



A filter comprising an imperforate bottom having a trough-like edge portion and provided with a central opening, an imperforate shell open at the bottom and having a top wall, the lower end of the shell fitting in the trough-like edge portion of the bottom, said shell having an inlet near the top, a perforated tube disposed centrally of the shell and mounted on the bottom with its lower end depending through the central opening of said bottom, a well carried by and depending from the bottom and into which the lower end of the tube opens, said well having a bottom outlet, a cylindrical filtering element mounted on the perforated tube within and in spaced concentric relation to the shell, and a bolt extending through the top of the shell, the tube and the bottom of the well and having a nut threaded thereon for securing the shell and bottom together, said filtering element including an open top perforated container extending above the tube and having a quantity of waste therein, a washer resting on the upper end of the tube and having a depending skirt fitted in the upper portion of said tube, a tubular guide rising from the washer and surrounding the bolt, a follower slidable on said guide and in the upper end of the container, lifting lugs on the follower, and a spring surrounding the bolt and interposed between the top of the shell and the follower to press the latter downwardly against the top of the waste.

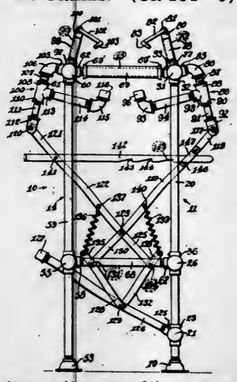
2,364,241
STOP DEVICE FOR LATHES
Jens O. Pedersen, Erie, Pa., assignor to Swanson Tool and Machine Corporation, Erie, Pa., a corporation of Pennsylvania
Application May 13, 1941, Serial No. 393,216
4 Claims. (Cl. 82—5)

1. In a single point thread cutting machine having a tool support mounted on a screw fed carriage, and a manually operable cross-feed for said support, a device for automatically withdrawing a tool and support from a work piece comprising a carriage mounted crank, said crank being connected with and adapted to adjust said support independently of the manually operable cross-feed, a spring actuated rotatable lever joined to said crank, latch means engageable with and adapted to secure said lever in operable position, said lever and said latch means being mounted on said carriage, and an adjustable stop member on a fixed portion of said machine, said stop member, when said carriage is moved along said machine, being engaged by said latch means



to release said lever whereby to withdraw said tool from a work piece at a point predetermined by the location of said stop member.

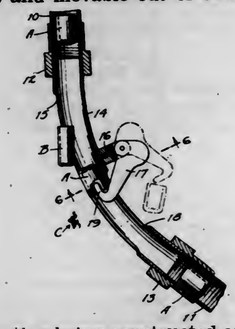
2,364,242
TIRE SPREADER
William G. Prentice, Indianapolis, Ind.
Application February 11, 1942, Serial No. 430,427
10 Claims. (Cl. 154—9)



1. A tire inspection machine comprising means for supporting a tire, a fulcrum carried by said supporting means on each side of, and substantially parallel with, the median plane of said tire perpendicular to the axis of intended rotation of said tire, a carrier oscillably mounted on each of said fulcra, and including an element axially perpendicular to the associated fulcrum, a member axially slidably carried by each of said elements, a hook element carried by each of said members for independent oscillation upon an axis substantially parallel with its associated fulcrum and engageable with the bead portion of a wall of such tire, and means for oscillating said carriers to force said hook means away from each other.

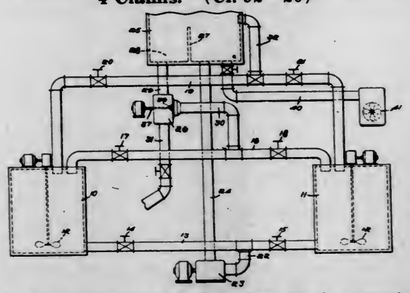
2,364,243
ARTICLE ALIGNING DEVICE
Allen O. Riddle, Jr., Kansas City, Mo., assignor to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware
Application December 10, 1942, Serial No. 468,585
4 Claims. (Cl. 209—72)

1. In a feed device, for articles having one end open and the other end of different structural form, an article conveying means adapted to receive and convey said articles in successive end-to-end relation, and pivotally mounted counterbalanced article entering means associated with said conveying means having a hook end portion normally disposed in the path of the open ends of said articles and movable out of said path, said



hook end portion being constructed and arranged to enter an inverted open-end-forward article being fed through said conveying means and divert said open end forward article from said conveying means through overbalanced movement of said counter-balanced article entering means.

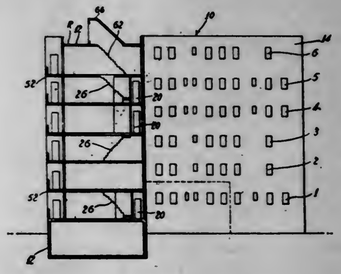
2,364,244
DEFIBERING APPARATUS
Cyrus E. Roberson, Hoosick Falls, N. Y., assignor to The Noble & Wood Machine Company, Hoosick Falls, N. Y., a corporation of New York
Application June 28, 1943, Serial No. 492,583
4 Claims. (Cl. 92—20)



4. Apparatus of the class described, comprising a charging chest and a receiving chest between which a suspension of fibres is to be circulated, a head box surmounting said chests and a fibre selector between said chests, means for alternately circulating the suspension from one chest to the other by way of said head box and fibre selector, a header connecting said chests near their upper ends, valves in said header, a feed pipe from said head box to the inlet side of said fibre selector, a pipe from the outlet side of said fibre selector connecting with said header between the valves thereof, and a discharge pipe from said selector for withdrawing from the suspension unwanted fibres and foreign matter and discharging the same from the system.

2,364,245
BUILDING CONSTRUCTION
Charles H. Sacks, Brooklyn, N. Y.
Application January 18, 1943, Serial No. 472,786
3 Claims. (Cl. 20—1.1)

1. In a multi-storied building construction, a plurality of series of apartment units above one another, each series occupying at least two levels and having a public hallway on one level, said public hallway communicating with each unit in the series, the adjacent series of units also having



a public hallway on one level thereof, the public hallway of any one series of units being separated from the other level of the adjacent series by at least one intervening level.

2,364,246
TWO-WHEEL SHOPPING CART
Florence R. Shaver and Henry L. Redfield, Brooklyn, N. Y.
Application December 9, 1943, Serial No. 513,540
2 Claims. (Cl. 280—53)

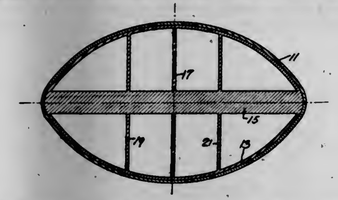


1. In a two wheel shopping cart, a frame provided with a handle, a bag on said frame, an axle, said frame having means to slidably engage the axle, wheels on said axle, brakes on said frame adapted to engage the wheels when the frame is lowered and become disengaged from the wheels when the frame is raised, means to retain the frame in raised position to keep the brakes disengaged from the wheels, said means comprising a support hinged to the upper portion of the frame and adapted to engage the ground at its lower end for sustaining the cart when it is not in motion, said support being adapted to be swung against the cart, and the frame of the cart raised to permit the support to rest upon the axle.

2,364,247
FOOTBALL
John W. Shearer, Memphis, Tenn.
Application December 20, 1943, Serial No. 514,923
9 Claims. (Cl. 273—65)

1. A football of circular cross section about a diametral axis, including a member of uniform

cross section extending continuously along and from end to end of said axis to promote steadi-



ness of rotation, said member being anchored at its ends to said ball.

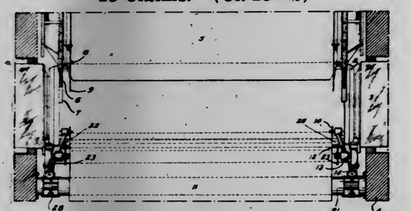
2,364,248

METHOD AND APPARATUS FOR MANUFACTURING HARD-SURFACE COVERING

Virgil Spencer, Manheim Township, Lancaster County, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania

Application February 10, 1940, Serial No. 318,213

13 Claims. (Cl. 18—2)



1. In combination with a sheeting calender adapted to form a continuous sheet of plastic composition, means for severing the central portion from the formed sheet thereby permitting bands of plastic composition to encircle opposite ends of a calender roll, a doctor blade to remove the central portion of the formed sheet from the calender roll, and means spaced from said doctor blade for removing ribbons of plastic composition from the bands thus permitting fresh plastic composition to renew the bands.

6. In the method of making continuous sheets of plastic composition, the steps which comprise calendering plastic composition to form a continuous sheet, severing side portions from said sheet, forming the severed side portions into bands encircling the ends of a calender roll, continuously removing ribbons from said bands, and continuously feeding plastic composition to renew the bands

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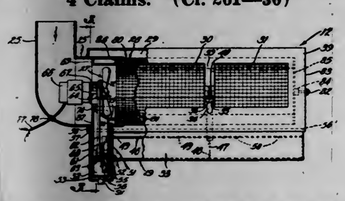
2,364,249

CAR COOLER

Raymond James Steele, Los Angeles, Calif.

Application June 16, 1941, Serial No. 398,269

4 Claims. (Cl. 261—30)



1. An air conditioner comprising an air filter, a fan in front of said filter, a casing around said fan, a splasher wheel below said fan, means for rotating said wheel, an auxiliary tank for said wheel, a main tank, a connection between said tanks, and a drip pan at the top of said auxiliary tank for returning drip from said casing to said main tank.

2,364,250

EEL KNIFE

Joseph Thomas Stokes, Atlantic City, N. J.

Application February 18, 1944, Serial No. 522,993

1 Claim. (Cl. 30—165)



An eel knife comprising a handle, a blade having a flat shank attached to one end of the handle, said blade also having a bowed portion therein adjacent the handle and lying to one side of the plane of the shank, and gripping teeth along one edge of said bowed portion and angled toward the axis of the bowed portion.

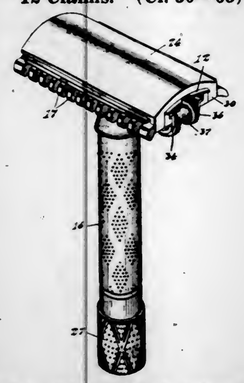
2,364,251

SAFETY RAZOR

Nicholas Testi, Boston, Mass., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware

Application May 5, 1944, Serial No. 534,243

12 Claims. (Cl. 30—65)



1. A safety razor having cooperating blade-clamping members connected for limited separation only, and movable means mounted in one of said members for engaging and ejecting a blade located between said members.

2,364,252

SAFETY DEVICE

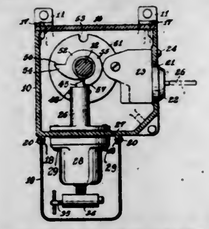
George B. Thieme, Richmond Hill, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application July 31, 1942, Serial No. 453,114

7 Claims. (Cl. 200—50)

1. A switch rotating member for controlling the rotation of a switch having positions corresponding to closed, open and grounded circuit conditions, comprising a housing, a manually rotatable shaft extending through said housing, a switch-engaging coupling on said shaft, means for selectively locking and unlocking said rotatable shaft in each of the closed, open, and grounded

positions above-mentioned, and means including an obstructing member for preventing rotation of said shaft in one direction under certain circuit conditions, and cam means carried by said rotatable shaft for displacing said obstructing



member upon rotation of said shaft in an opposite direction, said cam means constituting the sole means for displacing said obstructing member, whereby the latter can not be moved from the obstructing position except by rotation of said shaft in a predetermined direction.

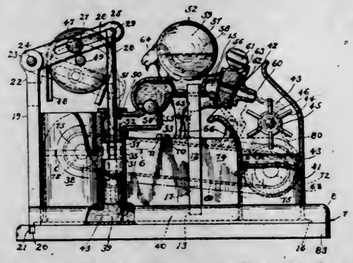
2,364,253

TREADMILL TOY

Frank E. Thomas, Chicago, Ill.

Application January 18, 1943, Serial No. 472,661

7 Claims. (Cl. 46—1)



1. In a toy of the character described, endless belt means, tread-mill means, comprising a prime series of traction elements evenly spaced and mounted thereupon, and a second series of traction elements evenly spaced mounted in staggered relationship to the said prime series of traction elements, and continuously circulating fluid pressure motivating means including force pump means provided with an air chamber and nozzle means capable of forming a fluid jet adapted to operate the said tread-mill means.

2,364,254

GAS BLAST CIRCUIT BREAKER

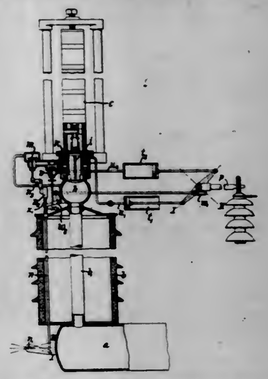
Hans Thommen, Alfred Halm, and Gottfried Brühlmann, Baden, Switzerland, assignors to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland, a joint-stock company of Switzerland

Application May 28, 1941, Serial No. 395,692

In Switzerland June 10, 1940

6 Claims. (Cl. 200—148)

1. In a switch, a gas blast circuit breaker mounted on a supporting insulator, a disconnect switch in series with the circuit breaker, means including a control valve positioned on the energized side of the supporting insulator for operating said circuit breaker, cylinder and piston means for operating said disconnect switch between open and closed positions, a source of pressure gas, an insulator rod system operable from the grounded side of said supporting insulator for actuating said control valve and admitting pressure gas from said source to said cylinder and piston means, and means including a change-over valve operable by said cylinder and piston means as it actuates said disconnect switch to



an end position to establish pressure-gas connections to said cylinder and piston means for energization thereof to actuate the disconnect switch to its alternative end position upon the next admission of pressure gas to said cylinder and piston means by operation of said insulator rod system.

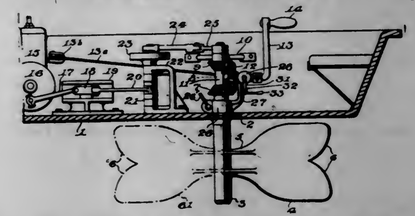
2,364,255

COMBINED PROPELLING AND STEERING MEANS FOR VESSELS

John T. Troth, Wayne, Pa.

Application June 17, 1943, Serial No. 491,197

12 Claims. (Cl. 115—29)



1. The combination of a vessel, with a shaft, a vane carried by said shaft, a motor, an oscillatory member driven by said motor, a differential between said member and said shaft to vary the mid-position of the oscillations of said shaft with respect to said member to steer said vessel.

2,364,256

GENERATOR-VOLTMETER TACHOMETER

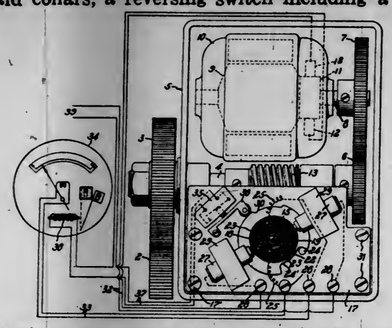
Petrus van Santen Kolff, Harwich Port, Mass., assignor to The Electric Tachometer Corporation, Philadelphia, Pa., a corporation of Delaware

Application August 4, 1941, Serial No. 405,453

2 Claims. (Cl. 200—153)

1. In an electric tachometer, a switching mechanism comprising a shaft to be driven by the prime mover whose speed is to be measured, a part of the shaft being tubular, a pair of collars on said shaft, means locking said collars against angular movement with respect to said shaft and supporting said collars for relative movement axially of the shaft, means including a spring within the tubular portion of said shaft urging said

collars toward each other, a spool member loose on said shaft between and frictionally engaged by said collars, a reversing switch including a pair

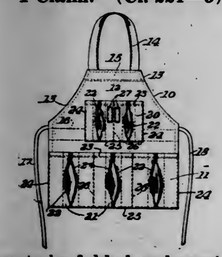


of stationary contacts and a cooperating pair of contact segments on said spool member, and stop means limiting the angular displacement of said spool member by said collars.

2,364,257
PROCESS OF MAKING CHROMIUM IRON ALLOYS
Joseph J. Vetter, Hackensack, N. J., assignor to Natural Products Refining Co., Jersey City, N. J., a corporation of Delaware
No Drawing. Application July 6, 1942, Serial No. 449,967
2 Claims. (Cl. 75—130.5)

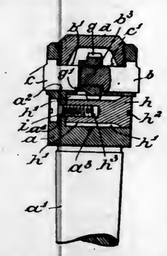
1. A process which comprises producing a chromium iron alloy containing at least 65% iron by weight by smelting together a residue, containing a minimum of approximately 2.5% Cr_2O_3 by weight, obtained from the extraction of a chromate from chromium iron ore, with a high carbon silicate containing shale.

2,364,258
KIT APRON
Hugh Stanley Wallace, Ingram, Pa.
Application July 22, 1942, Serial No. 451,980
1 Claim. (Cl. 224—5)



A kit apron to be folded and carried while filled with articles, and comprising a skirt, open-top pockets carried by the center and side portions of the skirt, a bib extending from the skirt, a neck loop secured at its ends to the top of the bib, said ends aligned substantially with the side edges of the center pocket of the skirt, at least one open-top pocket carried by the bib and spaced upwardly from the center pocket of the skirt and centered relatively thereto, the distance from the top of the pocket on the bib to the top of the pockets on the skirt being substantially the same as the distance from the top of the pockets on the skirt to the bottom of the skirt, a tie secured to each side of the skirt, said skirt being folded up on a line coincident with the top of the pockets on the skirt against the front of the bib to close the skirt pockets, the upper portion of the bib being folded down on a line coincident with the top of the pocket on the bib over the back of the skirt to close the bib pocket, with the neck loop extending beyond the fold of the skirt, and the sides of the skirt carrying the outer skirt pockets being folded one on the other over the neck loop and the center portion of the skirt, the side pockets of the skirt being positioned on the opposite side of the neck loop from the center pocket of the skirt and the pocket of the bib to balance the kit, each of the spaced sides of the neck loop extending from the center of the kit being adjacent the line of one of the last mentioned folds, guide means on the back of the skirt for the tie of the inner of the two folded sides of the skirt to prevent displacement of the latter, and the ties encircling the kit and secured to prevent unfolding of the latter, the weight of the articles in the pockets of the kit increasing the compactness of the kit when carried by the neck loop.

2,364,259
EXPANDING REAMER
Silas Welsby and Charlie Burton, Huddersfield, England, assignors to David Brown & Sons (Huddersfield) Limited, Huddersfield, England
Application December 12, 1941, Serial No. 422,782
In Great Britain December 20, 1940
4 Claims. (Cl. 77—58)

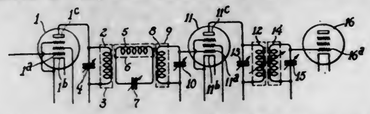


1. An expanding reamer comprising a reamer head having a transverse opening of circular section through said head, and having a threaded opening in the end face of said head, two cutters of circular section slidably accommodated in said transverse opening, flats on said cutters and providing shoulders adjacent the outer ends of same, a cap member screwed into said threaded opening in the end face of said reamer head and cooperating with the flats on the cutters to prevent turning of the cutters in the transverse opening through the head, said cap member being engageable with said cutter shoulders to limit inward movement of the cutters, and the exterior diameter of the inner end of said cap member being less than the spacement of the cutter shoulders when the inner ends of the cutters are in engagement whereby to admit of axial floating of the cutters at all times.

2,364,260
TUNED FILTER CIRCUIT
Marion R. Winkler, Milwaukee, Wis.
Application February 6, 1942, Serial No. 429,791
12 Claims. (Cl. 179—171)

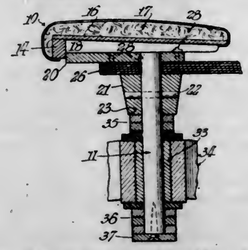
1. An amplifying circuit for receiving and amplifying currents within a given band width of frequencies at a substantially uniform ratio,

comprising, a plurality of cascaded amplifying stages, one of said stages comprising a transformer having an uneven number of series coupled oscillatory circuits, and another of said stages comprising another transformer having an even number of series coupled oscillatory circuits, all of said oscillatory circuits having the same natural frequency, the ratio of reactance to resistance of any two oscillatory circuits of either



transformer which are located symmetrically with respect to the entire number being alike, and means to provide substantially equal variable coefficients of coupling of any two pairs of adjacent oscillatory circuits of the respective transformer, which are located symmetrically with respect to the entire number, and substantially zero coefficients of coupling between any other two circuits of the respective transformer.

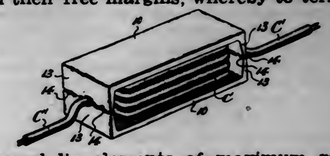
2,364,261
CHAIR
Glenn D. Wood, Elkhart, Ind., assignor to Posture Research Corporation, Elkhart, Ind., a corporation of Indiana
Original application July 7, 1942, Serial No. 450,003. Divided and this application April 23, 1943, Serial No. 484,141
4 Claims. (Cl. 155—157)



1. In a chair, the combination of a seat supporting member, a bent wood back rest supporting member wider than it is thick and including a generally upright portion and a generally horizontal portion connected thereto by a curved knee of such radius as to be capable of some flexing, said horizontal portion being engaged with and fixed to the underside of said seat supporting member, a supporting spindle having an upper portion passing through said horizontal portion of the back rest supporting member and operatively engaged with the seat supporting member, and an enlargement on said spindle below and coacting with said seat supporting member in confining said horizontal portion of the back rest supporting member therebetween.

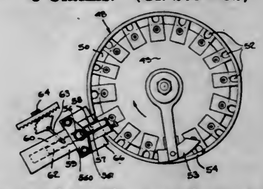
2,364,262
CORD OR CABLE TAKE-UP DEVICE
Herman H. Wehringer, Montclair, N. J.
Application July 9, 1943, Serial No. 493,957
6 Claims. (Cl. 242—97)

1. A take-up device comprising a spool-like body formed by spaced flange members and an intermediate shank-portion, said flange members having flexibly resilient keeper portions extending therefrom toward each other, and said keeper portions being of a cross-sectional shape tapering toward their free margins, whereby to terminate



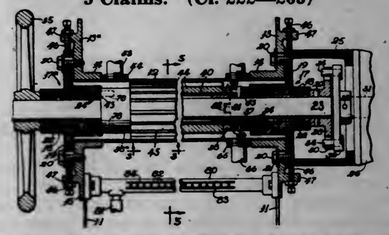
in opposed lip elements of maximum resilient flexibility disposed in substantially meeting relation.

2,364,263
GAUGING MACHINE
Joseph L. Yablonsky, Fairfield, Conn., assignor to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware
Application November 12, 1942, Serial No. 465,381
3 Claims. (Cl. 209—82)



1. In a machine for gauging cartridge cases having a flange and an extraction groove provided with sloping walls; a cartridge case transfer dial; a member for supporting cartridge cases adjacent the transfer dial; means for feeding the cases from said supporting member into said transfer dial; a pair of spaced parallel blades on said supporting member defining a restricted passage for cases being fed to said transfer dial, said blades having sharp edges constructed and arranged to extend into the extraction grooves of each case in proximity to said sloping walls to enable only those cases having flanges of standard thickness to pass through said restricted passage into said transfer dial.

2,364,264
MEANS FOR DISTRIBUTING FLUID IN ACCURATELY MEASURED QUANTITIES
Lucien I. Yeomans, Chicago, Ill.
Application September 15, 1939, Serial No. 295,030
5 Claims. (Cl. 222—263)



1. Apparatus for distributing fluid in accurately measured quantities having, in combination, a hollow cylindrical member adapted to be supported near its ends in a fixed position relative to mechanism with which the apparatus is associated, said member having a plurality of apertures therein, a roll within said tubular member mounted to run in contact therewith along and in sealing relation to that portion thereof having said apertures therein, a plurality of fluid passages in said roll successively movable therewith

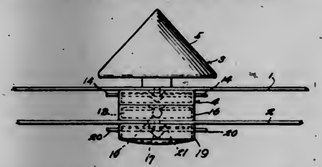
into communication with said apertures, a roll supporting shaft, bearings for said shaft including means closing the ends of said member and adjustable relative thereto, means for driving said shaft, means connecting said roll and shaft, and means for delivering fluid to said member, said roll being of less diameter than the internal diameter of said member to provide a clearance between said roll and member through which fluid admitted to said member may flow to said passages for discharge through said apertures when said passages are in communication therewith.

2,364,265
AIR DEFLECTOR FOR VENTILATING SYSTEMS
Nelson H. Brickham, Cheyenne, Wyo.
Application July 27, 1942, Serial No. 452,525
1 Claim. (Cl. 98—106)



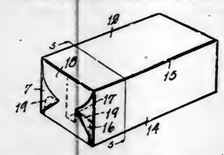
In an air deflecting device for air ducts of the type having a series of parallel curvated blades pivotally mounted at their extremities on a pair of parallel supporting bars, means for swinging the entire series of blades into said duct and for rotating the blades on their pivots from the exterior of said duct comprising: a fixed pivot attaching one of each pair of parallel bars to said duct; an adjusting lever pivoted at its one extremity to said duct and extending to the exterior thereof; means for pivoting the extremity of the other parallel bar of each pair on said lever eccentric of the axis thereof; and an adjusting member extending to the exterior of said duct and connected with the free extremity of the first parallel bar of each pair.

2,364,266
FASTENER
Allan Edward Bryce, Providence, R. I.
Application September 29, 1943, Serial No. 504,309
1 Claim. (Cl. 24—211)



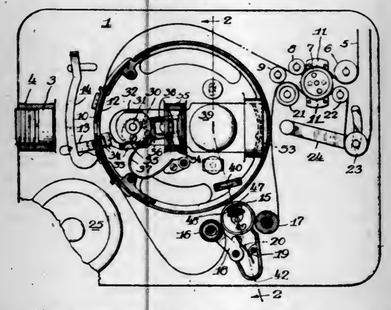
A fastener for attaching two pieces of fabric together comprising a pair of complemental fastener members for each piece of fabric disposed upon opposite sides of the piece, respectively, each pair including a combined male and female fastener member, said combined members being provided with pull-apart connections for securing the same together in opposed relation relatively separable by pull exerted on the same axially thereof, one member of each pair including a fabric piercing stud and the other member of each pair including a releasable spring catch for snap action engagement with the stud and having ends extending out of the member for squeezing together to release the catch.

2,364,267
CARTON
Kenneth T. Buttery, Kalamazoo, Mich., assignor to Sutherland Paper Company, Kalamazoo, Mich.
Application June 1, 1942, Serial No. 445,288
3 Claims. (Cl. 229—31)



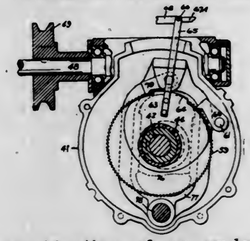
1. A carton comprising a bottom and front, rear and end walls hingedly connected to the bottom, corner members hingedly connected to the end walls and to the front and rear walls, said corner members being foldable diagonally and disposed against the outer sides of the end walls and having interlocking engagement with each other when in erected position, and a cover hingedly connected to the upper edge of the rear wall and provided with end closure flaps overlapping the ends and having tongues engageable beneath the lower edges of the interlocked corner members, said cover also having a front closure extension on its outer edge provided at its ends with end flaps disposed upon the outer sides of the erected corner members and having downwardly projecting tongues with which said tongues on the cover end closure flaps of said cover have interlocking retaining engagement when the last named tongues are engaged beneath the lower edges of said erected corner members.

2,364,268
SOUND PROJECTION OPTICAL SYSTEM
Forrest O. Calvin, Kansas City, Mo., William G. Wilson, Merriam, Kans., and Thomas R. Smith, Newton, Iowa, assignors to Movie-Mite Corporation, Kansas City, Mo., a corporation of Missouri
Original application January 9, 1940, Serial No. 313,088. Divided and this application October 13, 1942, Serial No. 461,839
6 Claims. (Cl. 88—24)



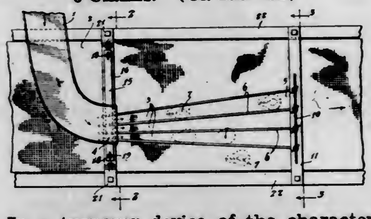
1. In a motion picture projector, a sound optical system including a sound drum over which the film passes, a light source for projecting a beam of light upon the sound track of the film as it passes over the sound drum, a mechanical slit which scans the sound track of the film, and a substantially cylindrical lens located below the film and between the light source and mechanical slit and the latter substantially in the focal plane of the lens for projecting an enlarged image of the sound track upon the slit.

2,364,269
APPARATUS FOR BURNING COKING COAL
John W. Carl, Portland, Oreg., assignor to Iron Fireman Manufacturing Company, Portland, Oreg.
Application January 13, 1941, Serial No. 374,162
2 Claims. (Cl. 110—32)



1. The combination of an underfeed stoker adapted to deliver coking coal and air to a retort in correct proportions for sustaining efficient combustion in which the air delivered by the stoker fan is set for the normal coal feed rate and maintained constant throughout the entire operation of the stoker, means responsive to a predetermined drop in stack temperature for increasing the proportion of fuel delivered, and means responsive to a predetermined rise in stack temperature for returning the proportion to normal.

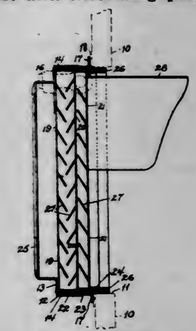
2,364,270
TURNOVER DEVICE
William G. Carter, Yakima, Wash., assignor to California Packing Corporation, San Francisco, Calif., a corporation of New York
Application August 20, 1943, Serial No. 499,372
6 Claims. (Cl. 198—33)



1. In a turnover device of the character described, the combination of a plurality of members defining spaced open bottomed receiving troughs overlying a fruit-receiving member onto which fruit halves are to be delivered with their seed pods or core cavities turned upwardly, means for delivering the fruit halves to pass along the troughs, and the troughs being at their entrance end of a width less than the diameter of the fruit halves and of increasing width from their receiving to their discharge ends whereby fruit received over the troughs with their plane surfaces down will be inverted in passing through the open bottoms of the troughs.

2,364,271
VENTILATOR FOR PORTHOLES AND LIKE OPENINGS
Walter W. Carver, Millburn, N. J.
Application June 12, 1942, Serial No. 446,815
3 Claims. (Cl. 98—121)

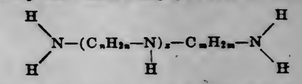
1. A ventilator for portholes and the like comprising a circular casing adapted to form a means for supporting a rotatable unit, a unit in the casing and adapted to be rotated, the unit comprising circular flanged discs forming tray-like members that are nested and with their flanges secured together, the flat faces of the disc having openings and louvers arranged adjacent the openings, the louvers on one disc being staggered relative to the louvers on the other discs for preventing the passage of light through the unit, a wind scoop arranged circumferentially on the rim of the unit and extending part way around



the circumference and extending from the outside face of the unit a sufficient distance for directing air into the unit, a handle extending across the inside face of the unit with the ends of the handle secured to the rim of the inner disc and spaced therefrom to form a hand hold and for applying force to opposite edges of the unit and for bracing said unit, and means on the casing for securing it in a porthole or the like.

2,364,272
MINERAL CONCENTRATION
Ludwig Jacob Christmann, Yonkers, N. Y., David Walker Jayne, Jr., Old Greenwich, Conn., and Stephen Edward Erickson, Calumet, Minn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application September 4, 1941, Serial No. 409,530
14 Claims. (Cl. 209—166)

1. In ore concentrating processes of separating acidic ore materials from other ore constituents the process which comprises carrying out the concentration operation in the presence of a substance of the group consisting of those obtained by heating a polyalkylene polyamine represented by the following general formula:

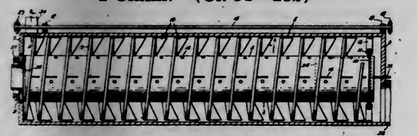


in which n, m, and x are small whole numbers, with a substance of the group consisting of naphthenic acid, talloel, higher fatty acids and higher fatty acid esters at a temperature in excess of 250° C., and salts thereof.

2,364,273
PRODUCTION OF CELLULOSIC STRUCTURES
Norman Louis Cox, Claymont, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 22, 1941, Serial No. 420,130
4 Claims. (Cl. 18—54)

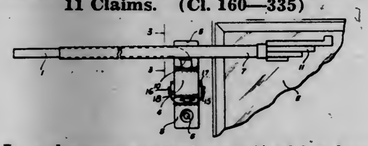
1. In the method of producing regenerated cellulose structures by the spinning, under high tension, of viscose in a sulfuric acid spinning bath the step which comprises incorporating in said bath from 1% to 10% ferrous sulfate together with from 0.1% to 1.0% zinc sulfate.

2,364,274
DEHYDRATING APPARATUS
Sherman Bee Crawford, Ponca City, Okla.
Application May 6, 1942, Serial No. 442,003
1 Claim. (Cl. 34—182)



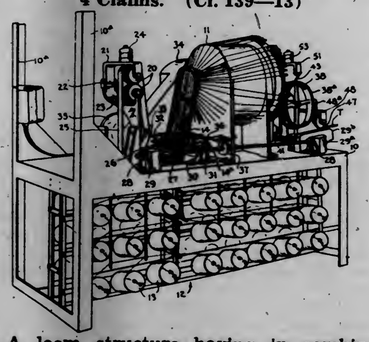
A dehydrating machine comprising a shell provided with a material entrance at one end thereof and a treated material outlet at its opposite end, a rotor mounted in the shell and provided with a spiral blade thereon for agitating and moving material from the entrance toward the outlet, said rotor being hollow and provided with a hot air inlet at one end thereof, said rotor being formed with hot air discharge openings throughout its length and means associated with the end of the rotor adjacent the material outlet for regulating the amount of hot air passing from the rotor at this point, said means comprising a cylinder slidably disposed snugly within the said end portion of the rotor, a member extending from the cylinder and exteriorly of the shell and a lever for operating the said member and cylinder.

2,364,275
DRAPERY SUPPORT
George B. Davis, Jr., Green Acres, Md.
Application August 3, 1943, Serial No. 497,270
11 Claims. (Cl. 160—335)



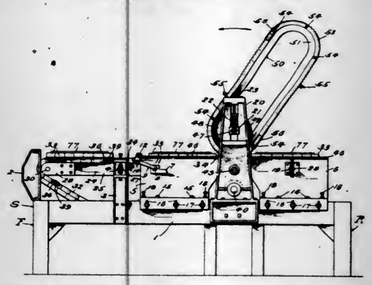
1. In a drapery support, an attaching bracket, a swinging arm pivoted at one end to the bracket, an extendible arm slidably fitted to the swinging arm and adapted to be telescoped with the latter from either the free end or the pivoted end of the swinging arm, optionally.

2,364,276
COMPOSITE LOOM
Anselm De Ghetto, Clifton, N. J., assignor to National Rubber Machinery Company, Akron, Ohio, a corporation of Ohio
Application August 26, 1942, Serial No. 456,170
4 Claims. (Cl. 139—13)



1. A loom structure having in combination means for feeding woven tubing from the delivery end thereof, a weaving unit for the production of such tube, means for supplying warp threads to said weaving unit, a tension roller about which said warp threads are applied to said weaving unit, and means for driving said tension roller and said feeding means in substantial synchronism relatively of each other, said driving means including a slip driving connection to said tension roller.

2,364,277
PRINTER
John B. Dey and Landon Hayden, Lynchburg, Va.
Application January 30, 1942, Serial No. 428,932
8 Claims. (Cl. 101—122)



1. In a printing machine, an elongated, rigid, loop-shaped carrier comprising oppositely-disposed, straight side portions and oppositely-disposed, outwardly-curved end portions, an endless rack on the carrier and conforming in shape to the side and end portions of the carrier, a driving pinion supported for rotation and meshing with the rack, means for supporting the carrier for straight-line sliding movement, and for end-for-end reversal, at different times, responsive to the action of the pinion on the rack, and a printing means mounted on one of the side portions of the carrier, the means for supporting the carrier comprising a wheel supported for rotation and engaging within the carrier, the rack being an external rack.

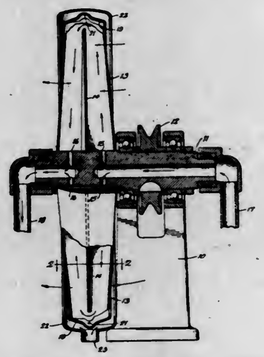
2,364,278
FOLLOWER FOR FILE DRAWERS
Fred C. Drebes, Chicago, Ill., assignor to Boynton & Company, Chicago, Ill., a corporation of Illinois
Application February 8, 1943, Serial No. 475,074
1 Claim. (Cl. 129—29)



In a device of the class described for a filing drawer having parallel channel-shaped guideways on the inner side walls thereof a substantial distance above the bottom wall of the drawer, a follower arranged transversely of the drawer, and slidable over the bottom wall thereof, means for maintaining the longitudinal position of said follower in the drawer comprising a rod having portions extending beyond the ends of the follower,

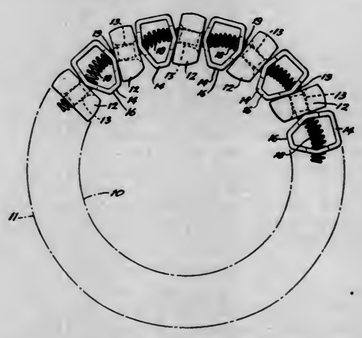
cam means formed on the extended portions disposed in said in said guideways and adapted to normally permit longitudinal movement of the follower in the drawer but disposed upon rotation of the rod to cammingly engage said guideways to secure said follower in a desired position of adjustment, and means for manipulating said rod for the purpose aforesaid, each said cam means being oval shaped in cross section and having an upper and a lower engaging surface adapted to bear against the upper and lower walls of an adjacent channel shaped guideway.

2,364,279
AIR-CONDITIONING APPARATUS
Adiel Y. Dodge, Rockford, Ill.
Application August 19, 1943, Serial No. 499,180
15 Claims. (Cl. 62—129)



1. Air conditioning apparatus comprising a rotary air impelling unit having a series of spaced blades, means connected to the blades to cool them, and means carried by the radially outer ends of the blades to collect condensate forming on the blade surfaces and thrown outward thereof by centrifugal force.

2,364,280
ONE-WAY CLUTCH
Adiel Y. Dodge, Rockford, Ill.
Application January 21, 1944, Serial No. 519,088
18 Claims. (Cl. 192—45.1)



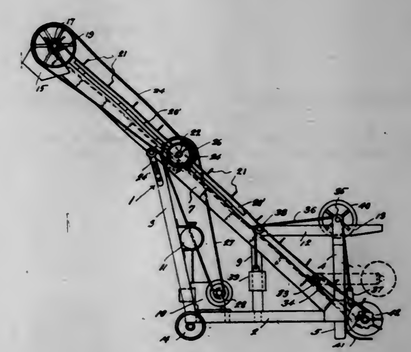
1. A one-way clutch adapted to connect inner and outer coaxial races comprising a series of tiltable grippers, a series of spacers arranged alternately with the grippers, the spacers and grippers having openings therethrough, and an annular spring threaded through the openings in the spacers and grippers to hold them assembled.

2,364,281
PARAFFIN SOLVENT
William H. Ellinger, Smith, N. Mex.
No Drawing. Original application April 25, 1941, Serial No. 390,426, now Patent No. 2,317,038, dated April 20, 1943. Divided and this application March 2, 1943, Serial No. 477,739
3 Claims. (Cl. 252—8.55)

1. A composition of matter for removing paraffin from a tubing wall including the following ingredients in substantially the named proportions:

Kerosene	quart	1
Bentonite	pound	1

2,364,282
GRAIN LOADER
John N. Fees, Spokane, Wash.
Application July 19, 1943, Serial No. 495,320
4 Claims. (Cl. 198—9)



1. A grain elevator comprising a main frame, a trough carried by said main frame and extending rearwardly at an upward incline, an auxiliary frame projecting from the front end of the main frame and having its inner end pivoted to the lower end of said trough for vertical swinging movement to angularly adjusted positions, a shoe at the outer end of said auxiliary frame, a shaft rotatably mounted across the upper end of said trough, a shaft rotatably mounted across the lower outer end of the auxiliary frame above said shoe, an endless conveyor extending longitudinally through the trough and the auxiliary frame and trained about said shafts, an adjusting shaft rotatably mounted across the main frame over said auxiliary frame, guides at opposite sides of said trough, cables connected to opposite sides of said auxiliary frame and extending upwardly therefrom and wound about said adjusting shaft and having portions extending therefrom and engaged with said guides and extending downwardly from the guides, counterweights for said auxiliary frame suspended from the depending ends of said cables, and means for imparting rotary motion to the upper shaft and moving said endless conveyor through said trough.

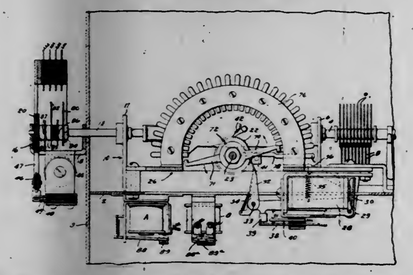
2,364,283
MODIFIED LUBRICATING OIL
Herbert C. Freuler, Orinda, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application October 21, 1941, Serial No. 415,955
48 Claims. (Cl. 252—37)

1. A composition of matter comprising a hydrocarbon oil subject to deterioration at elevated temperature and a polyvalent metal salt of a sulfur containing substituted acid of phosphorus having an organic substituent therein, said salt being present in an amount sufficient substantially to inhibit said deterioration.

2,364,284
MODIFIED LUBRICATING OIL
Herbert C. Freuler, Orinda, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application June 17, 1941, Serial No. 398,459
38 Claims. (Cl. 252—39)

1. A composition of matter comprising a hydrocarbon oil subject to deterioration at elevated temperature, and an alkaline earth metal salt of a sulfur-containing substituted acid of phosphorus having an organic substitutent therein, said salt being present in an amount sufficient substantially to inhibit said deterioration.

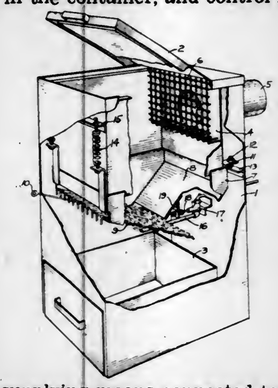
2,364,285
REMOTE CONTROL SYSTEM FOR STATION SELECTION
Frederick W. Frink, New York, N. Y.
Application January 23, 1941, Serial No. 375,677
20 Claims. (Cl. 172—239)



1. In a tuning mechanism for a radio receiving set having a tuning shaft, two independent means each independently operatively associated with said shaft for rotating it step by step at different rates, and means for combining the step-by-step movements produced by simultaneous action of said two independent means to produce the algebraic sums of the two movements.

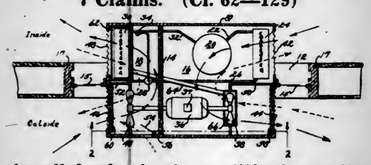
2,364,286
INCINERATOR
Francis A. Furlong, River Forest, Ill., assignor to Autogas Company, Chicago, Ill., a corporation of Illinois
Application February 16, 1942, Serial No. 431,027
5 Claims. (Cl. 110—8)

1. An incinerator comprising a frame, means in the frame forming a container for material to be incinerated and including a part pivotally mounted in the frame for movement in response to the weight of the material, balancing means yieldingly resisting movement of said part about its pivotal mounting, means for supplying heat to material in the container, and control means for



the heat supplying means connected to said part to be controlled thereby to regulate the rate of heat supply in accordance with the weight of material in the container.

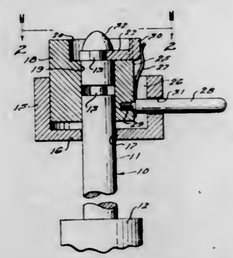
2,364,287
REFRIGERATING APPARATUS
Richard E. Gould, Oakwood, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application July 25, 1941, Serial No. 404,060
7 Claims. (Cl. 62—129)



1. An all fresh-air air conditioning unit of the window sill type comprising in combination, a casing adapted to be mounted on a window sill of a room to be conditioned, means for dividing said casing into an evaporator compartment and a condenser compartment, said condenser compartment having an opening communicating with said room and an opening communicating with the outside, said evaporator compartment having an opening communicating with the outside and an opening communicating with said room, a refrigerating system including an evaporator in said evaporator compartment and a condenser in said condenser compartment, blower means for normally flowing room air only over said condenser to the outside, a second blower means for normally flowing fresh air only over said evaporator and into said room, said evaporator blower means having a greater capacity than said condenser blower means, means for reversing the direction of rotation of both of said blower means, and means for admitting outside air to the evaporator compartment when said blower means are operating in reverse.

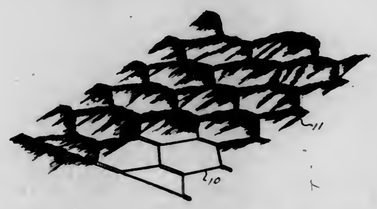
2,364,288
THREADLESS NUT AND BOLT
Harold P. Haggerty, Ferndale, Mich.
Application November 17, 1943, Serial No. 510,615
5 Claims. (Cl. 85—5)

1. A threadless nut and bolt assembly comprising a bolt having an annular groove formed in the shank thereof in spaced relation to the head of the bolt, and a nut mechanism comprising a cylindrical sleeve slidable on the shank of the bolt, a housing surrounding said sleeve, cam means for shifting said housing axially with re-



spect to the sleeve on relative rotation between said sleeve and housing, and latch means carried by said sleeve and adapted to enter said groove to lock said sleeve in predetermined axial position on the shank of said bolt.

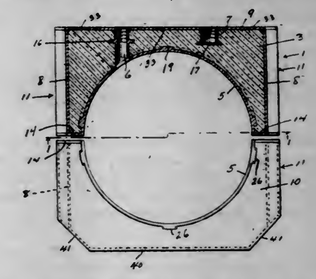
2,364,289
CAMOUFLAGE AND METHOD OF MAKING
St. Clair M. Hale, Detroit, Mich., assignor to Parker-Wolverine Company, Detroit, Mich., a corporation
Application June 17, 1943, Serial No. 491,156
6 Claims. (Cl. 117—37)



3. The process of manufacturing camouflage which comprises mixing paint and loose fibrous material in a container, passing netting through the mixture so that the strands of the netting become coated with paint and so that paint-impregnated fibers become caught or suspended on the cross strands as the latter advance through the mixture, then passing the netting between squeezing elements to remove surplus paint and to move the suspended fibers into the mesh openings and substantially into the plane of the netting, and then drying the netting with the fibers in such position.

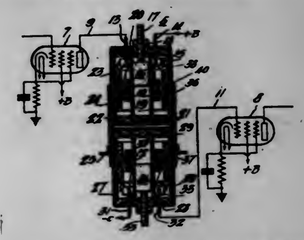
2,364,290
BEARING
Walter C. Hanson, Berkeley, Calif.
Application March 1, 1943, Serial No. 477,552
6 Claims. (Cl. 308—237)

1. A bearing block for a shaft comprising a body of slag the contour of one outer side of which substantially conforms to the cylindrical contour of the shaft to be supported by the body; key-ways formed in said one outer side of said body, a liner of bearing metal filling said key-ways and covering said one outer side of said body, and a metal-lined duct for oil extending through said body and liner and opening out-



wardly of opposite sides of said body at its opposite ends.

2,364,291
INTERMEDIATE FREQUENCY TRANSFORMER
Robert L. Harvey, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application October 30, 1940, Serial No. 363,538
5 Claims. (Cl. 171—119)

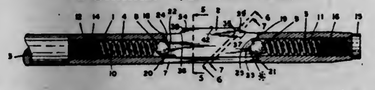


1. A coupling transformer for high frequency circuits, comprising a pair of coaxial spaced solenoid windings, an inner axially movable tuning core of magnetic material for each of said windings, means providing radially outer coaxial cores of magnetic material for said windings, at least a portion of each of said outer cores providing appreciable magnetic leakage for coupling to the other of said outer cores, and said outer cores being relatively axially adjustable and being more closely spaced at all times, one with respect to the other, than the inner tuning cores and windings for determining the degree of coupling between said windings and said windings being more closely spaced than said inner cores.

2,364,292
CASEHARDENING
Donald A. Holt, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 18, 1943, Serial No. 506,753
13 Claims. (Cl. 148—15)

1. The process for case carburizing steel which comprises treating steel articles in a molten bath containing 10 to 50% by weight of alkali metal cyanide and a small amount of a titanium compound selected from the group consisting of titanium cyanonitride and titanium carbide, the remainder of the bath being composed chiefly of at least one salt selected from the group consisting of alkali metal carbonates and halides.

2,364,293
CHAMFERING TOOL
Fred Hotchner, Los Angeles, Calif.
Application December 26, 1942, Serial No. 470,293
4 Claims. (Cl. 77—73.5)



1. A chamfering tool comprising; an arbor having an opening, a bit radially movable in said opening from a position within the arbor to a position in which a portion of the bit protrudes along one side of the arbor, and spring means urging the bit into the position in which said portion protrudes from said arbor, said protruding portion having a dull outer edge and a diagonal edge at each end thereof extending therefrom to the arbor surface and facing in opposite directions along the arbor, each of said diagonal edges being sharpened as a cutting edge from the arbor surface to a point near its outer end and dulled as a safe edge the remainder of the distance to its junction with the said outer edge, said cutting edge having a formation such as to cut a beveled chamfer around the edge of a hole in a work piece through which the arbor is passed and said safe edge being formed to come into contact with the finished chamfered surface, terminate the cutting action, and by bearing along the finished chamfered surface, press the bit into the arbor.

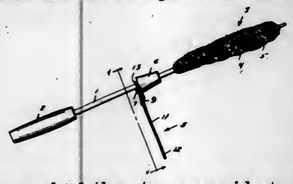
2,364,294
TOILET ARTICLE
George H. Hutaff, Jr., Wilmington, N. C.
Application February 28, 1944, Serial No. 524,262
5 Claims. (Cl. 132—75.6)



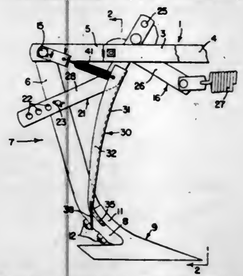
1. An implement of the character described comprising a frame having an elongated relatively horizontally disposed member adapted to constitute an operating handle, and a relatively vertically disposed sheath offset in a downward direction therefrom and open at its outer edge, in combination with a pivoted implement mounted to swing into and out of said edge opening of the sheath whereby said implement may be protected by the latter when swung downwardly and inwardly relative to the handle and will occupy an operative position when swung outwardly and upwardly in approximate alignment with the handle and extended from the end thereof, the opening in the sheath passing entirely therethrough, and a yieldable member opposite the rear end of said opening constituting an abutment to be engaged by the corresponding edge of the implement when closed.

2,364,295
TORCH
Lloyd E. Hyde, Fairmont, Minn.
Application March 5, 1941, Serial No. 381,922
2 Claims. (Cl. 158—10)

1. A torch of the character described comprising a rod, a handle on one end portion of said rod, a head on the other end portion of the rod, a stopper fixed on the rod between the head and the handle, a folding stand for supporting the rod in an inclined position, said stand comprising a single length of resilient wire having an intermediate portion bent upon itself and twisted for providing a loop, resilient legs diverging from the twisted portion of the wire, oppositely extending hooks on the free ends of said legs, means engaged with the loop for pivotally connecting the stand to the rod at a point immediately adjacent one end of the stopper, said stopper being engageable by the stand and constituting means for limiting the swinging movement of said stand toward operative position, and a ring slidable on the rod and legs and engageable in the hooks for releasably securing the stand in inoperative position.

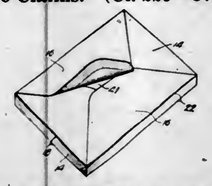


2,364,296
TRASH SHIELD
William A. Hyland, Horicon, Wis., assignor to The Van Brunt Manufacturing Company, Horicon, Wis., a corporation of Wisconsin
Application December 22, 1941, Serial No. 424,017
11 Claims. (Cl. 97—194)



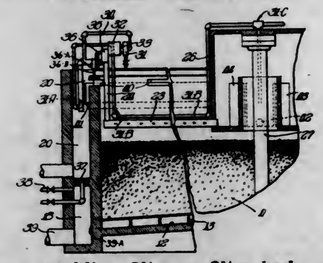
1. In a field cultivator, a cultivator tooth having a ground working portion, a generally V-shaped trash shield disposed in front of said tooth with the apex adjacent said ground working portion, said shield being movable relative to the tooth about a generally upwardly extending axis, and spring means connecting said trash shield with said tooth and reacting against the latter to yieldingly hold the shield in substantially a central position about said axis.

2,364,297
PREFORMED WRAPPING FOR PACKAGES
Bill Y. James, Miami, Okla., assignor of one-half to Caroline Y. James, Miami, Okla.
Application November 9, 1942, Serial No. 464,949
8 Claims. (Cl. 229—87)



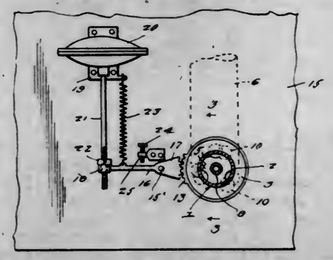
8. A preformed, collapsible package wrapper of the character described comprising a sheet of wrapping material having score lines defining top, bottom, side and end walls, certain of said side and end walls being provided with median fold lines; corner sections joining said sides and end walls, certain of said corner sections each having a gummed area divided by a fold line into equal areas to form a corner sealing tab when the wrapper is extended to package embracing position, and having an ungummed area conforming in shape to one of said areas of the gummed area and arranged to lie between the facing areas of the gummed area when said wrapper is in collapsed condition; and an intermediate area between the gummed and ungummed areas, said intermediate area being outlined in said corner portion by lines of perforation to facilitate removal of the intermediate area after the wrapper has been folded to collapsed condition.

2,364,298
SEWAGE TREATMENT
Ewald A. Kamp, Chicago, Ill., assignor to Graver Tank & Mfg. Co., Inc., a corporation of Delaware
Application December 20, 1941, Serial No. 423,707
2 Claims. (Cl. 210—7)



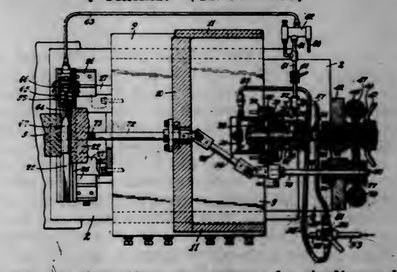
1. In a trickling filter, a filter body, an open, deep and narrow channel adjacent an outer edge of said filter body, means for feeding any incoming, unfiltered sewage to said channel, air diffuser means in the bottom of said channel, means adapted to travel along said channel and to distribute sewage from said channel over said filter body, and means for collecting filtered sewage from below said filter body.

2,364,299
AUTOMATIC AIR CONTROL FOR GAS BURNERS
Lynn C. Kester, Hereford, Tex.
Application December 5, 1942, Serial No. 467,985
2 Claims. (Cl. 158—118)



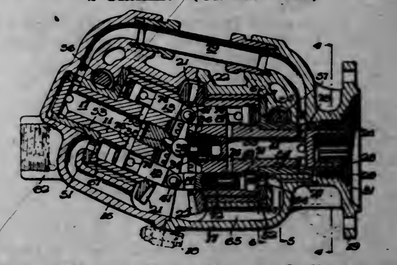
1. A gas burner comprising a mixing tube including a closed end having air intake ports therein, an air conduit having its discharge end opposed to said closed end of the mixing tube, a gas pipe in the air conduit extending into the mixing tube through said closed end thereof, a valve rotatably mounted on the gas pipe between the air conduit and the mixing tube for controlling the ports, and temperature responsive means operatively connected to the valve for opening and closing the same for increasing or decreasing the flow of air into the mixing tube as the temperature of the adjacent atmosphere rises and falls, said means including a pivotally mounted arm, coacting gear elements on the pivoted end of said arm and on the valve for connecting said valve to said arm for rotation thereby in opposite directions, a thermostat operatively connected to the arm for opening the valve, and a return spring connected to the arm for closing said valve.

2,364,300
HYDRAULIC CONTROL AND EJECTOR FOR GRINDERS
Harry Koplin and Arthur R. Slate, Chicago, Ill., assignors to Zephyr Laundry Machinery Company, Chicago, Ill., a corporation
Application November 6, 1942, Serial No. 464,726
7 Claims. (Cl. 51—103)



1. In combination, an opposed grinding wheel and guide wheel, a carriage upon which one of said wheels is mounted, hydraulic means for moving the carriage and the wheel on it toward and away from the opposed wheel, a work ejector, a hydraulic connection between said work ejector and said hydraulic means, and timing means for delaying the actuation of the ejector until after the carriage and wheel have moved away from the opposite wheel, including a delayed time valve in said hydraulic connection.

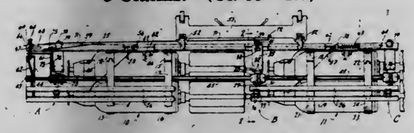
2,364,301
HYDRAULIC APPARATUS
Charles I. MacNeil, Glen Ridge, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application July 16, 1941, Serial No. 402,698
2 Claims. (Cl. 103—162)



1. In a hydraulic system including a pump chamber, a pumping element therein, means for driving said pumping element, a fluid reservoir,

means controlling admission of fluid from said reservoir to said pump chamber, said means comprising a pair of relatively movable valve elements operating to connect said reservoir with said pump chamber at a predetermined time in relation to the movement of said pumping element, and pressure responsive means for shifting one of said valve elements in relation to the other to vary the time of fluid admission to said pump chamber at different positions of said pumping element.

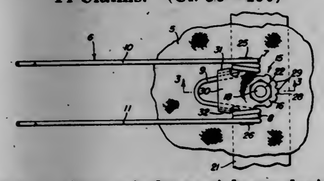
2,364,302
EXPLOSIVE DEVICE CARRIER
Homer E. Malone, Milwaukee, and Wilmer M. Shallcross, Waukesha County, Wis., assignors to Perfex Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application January 15, 1941, Serial No. 374,422
8 Claims. (Cl. 89—1.5)



1. In a carrier for a plurality of bombs, the combination of, a plurality of holding members each formed to engage at least a pair of bombs, connector means extending from the holding members inwardly between the bombs, rotatable holding means having a portion which engages the connector means to hold the bombs together as a unit when the holding means is in a normal position, and which is moved out of engagement with the connector means to release the bombs when the holding means is turned to a release position, a rotatable air motion responsive device set in rotation in response to falling of the carrier, means for suddenly diminishing the speed of said device after a period of rotation thereof, and means for utilizing the resulting inertia force to rotate said release member to releasing position.

8. In a carrier for a plurality of bombs each having separate arming devices, the combination of, means for selectively holding said bombs as a unit or for releasing said bombs, air motion responsive means for actuating said means to release the bombs in response to air motion, and means also actuated by said air motion responsive means prior to release of the bombs for operating the arming device of each bomb.

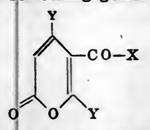
2,364,303
SPRING TOOTH AND CLIP ASSEMBLY
Floyd R. Martin, East Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Original application December 19, 1941, Serial No. 423,648. Divided and this application April 3, 1943, Serial No. 481,780
14 Claims. (Cl. 56—400)



1. For use in a windrow pick-up device comprising an endless conveyor and a spring tooth member having a pair of spaced coaxial coils and tangentially extending tines, a securing clip for said tooth member comprising a metal piece having a central apertured section adapted to receive a bolt for attaching said clip to said conveyor, a pair of laterally extending wings on opposite sides of said central section adapted to be received by said coils, respectively, and a longitudinally extending body portion between said wings.

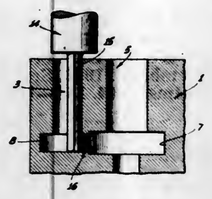
2,364,304
α-PYRONE CARBOXYLIC ACID AMIDES AND THEIR MANUFACTURE
Henry Martin, Basel, Walter Baumann, Arlesheim, near Basel, Hans Zaeslin, Riehen, near Basel, and Hans Gysin, Basel, Switzerland, assignors to the firm of J. R. Geigy A. G., Basel, Switzerland
No Drawing. Application December 20, 1940, Serial No. 371,055. In Switzerland December 20, 1939
9 Claims. (Cl. 260—344)

1. A process for the manufacture of α-pyrone carboxylic acid amides, comprising reacting a compound of the following general formula



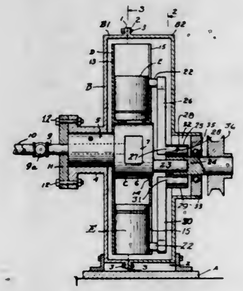
wherein each Y means a member of the group consisting of H and CH_3 and X means a member of the group consisting of OH, O-metal, halogen and O.alkyl, with an amine selected from the group consisting of secondary amines containing no elements other than oxygen, hydrogen, nitrogen and carbon atoms, and in which the oxygen, when present, is cyclically bound, their salts and their carbamic acid halogenides.

2,364,305
CUTTING TOOL
Otis C. Martin, Los Angeles, Calif.
Original application April 20, 1940, Serial No. 330,752. Divided and this application March 16, 1942, Serial No. 434,811
7 Claims. (Cl. 77—58)



1. A boring tool for cutting in a valve body an enlargement of a pilot bore provided therein which comprises: a bar member for clamping in the tool post of a machine tool; a longitudinally extending shank of lenticular cross section formed on the end of said bar member; and a laterally extending cutting element carried by said shank having an upper face intersecting a flank surface to form a cutting edge, said flank surface being substantially a continuation of one of the partially cylindrical surfaces forming the lenticular cross section of said shank.

2,364,306
AIR MOTOR
Frederick H. W. Miller, Napa, Calif.
Application April 5, 1943, Serial No. 481,932
7 Claims. (Cl. 121—59)



7. An air motor comprising a stationary cylindrical valve having a pair of recesses in its periphery, a fluid inlet communicating with one recess and a fluid outlet communicating with the other recess, a cylinder block having radially extending cylinders communicating with a central opening in the block that rotatably receives the cylindrical valve, pistons slidably mounted in the cylinders, a stub shaft eccentrically mounted on the valve, a driven shaft rotatably mounted on the stub shaft, sleeves integral with and spaced around the rotatable shaft, connecting rods having trunnions journalled in the sleeves and being operatively connected to the pistons, one of said trunnions being rigidly secured to its sleeve.

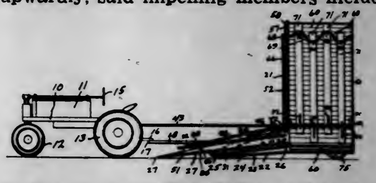
2,364,307
CLOSURE FOR COLLAPSIBLE TUBES
James W. Mossett, New York, N. Y.
Application May 25, 1943, Serial No. 488,362
3 Claims. (Cl. 222—520)



1. A collapsible tube having an externally threaded discharge neck closed by a threaded cap formed with an axial discharge opening adapted to be closed by a valve head mounted on the top end of a stem projecting from a spider supported across the top of said discharge neck, said stem being formed of telescopically engaged sections, comprising a tubular fixed section attached to said spider and a movable section extending from said fixed section and having said valve head mounted on the top end thereof, resilient means within said fixed section urging said movable section outwards to seat said valve head against the material of said cap surrounding said discharge opening to close it when said cap is screwed down, and means limiting outward movement of said movable section when said cap is unscrewed so that said cap may be moved free of said valve head, opening the passage through said discharge opening.

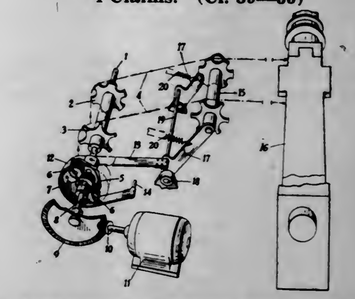
2,364,308
HAY AND SHOCK LOADER
Richard Niewendorp, Sanborn, Iowa
Application February 10, 1943, Serial No. 475,457
2 Claims. (Cl. 214—83)

1. A hay and shock loader comprising a forward gathering member including a plurality of spaced tines, a slatted conveying member communicating with said tines, a transverse conveying member communicating therewith, said transverse conveying member including spaced rollers, slatted conveyors mounted upon said rollers, impelling members positioned above said gathering and conveying members adapted to impel material upwardly, said impelling members including



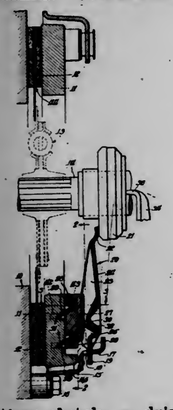
a plurality of spaced flat blades, said blades including a series of pointed members attached thereto, eccentric arms attached to said impeller blades, shafts for rotating said arms to cause said blades to rotate eccentrically from a higher upward position to a lower position and in a direction upwardly of said gathering and said conveying members.

2,364,309
MEANS FOR FEEDING AMMUNITION BELTS TO MACHINE GUNS
John Dudley North, Wolverhampton, England, assignor to Boulton Paul Aircraft Limited, Wolverhampton, England, a British company
Application May 12, 1942, Serial No. 442,714
In Great Britain August 26, 1939
4 Claims. (Cl. 89—33)



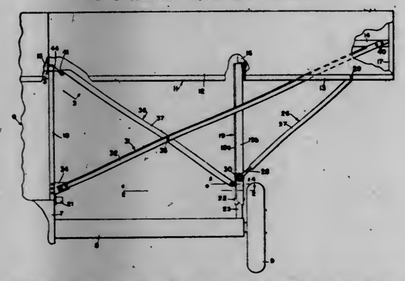
1. Apparatus for feeding ammunition belts to machine guns comprising a feeder sprocket the teeth of which engage the rounds of the ammunition belt to feed said belt towards the gun, a source of motive power for said feeder sprocket, a variable speed gear operatively connecting said source of motive power to said feeder sprocket, a member movable to control said variable speed gear and engaging the ammunition belt between the feeder sprocket and the gun and means resiliently retaining said movable member in a position to hold the variable speed gear disengaged and to take up slack in the ammunition belt, said movable member being moved by increase in belt tension when the gun is fired, to engage the variable speed gear and to increase the speed of rotation of the feeder sprocket with increase in belt tension.

2,364,310
FRICTION CLUTCH
Harold Nutt, Chicago, and Richard L. Smirl, Bellwood, Ill., assignors to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application May 8, 1941, Serial No. 392,434
9 Claims. (Cl. 192—103)



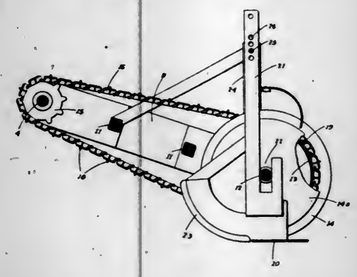
4. In a friction clutch, a driving member, a pressure plate, a driven member arranged to be engaged between the driving member and pressure plate, reaction means, and means for developing thrust between the reaction means and the pressure plate for engaging the clutch, said means comprising a centrifugal weight, said weight and pressure plate having opposed notches, and a strut the respective ends of which are received in said notches, arranged to resolve the centrifugal force of the weight into thrust directed axially against the plate in an ascending ratio as the weight moves outwardly.

2,364,311
COMBINE
Alvin W. Oehler, Moline, Ill. assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application April 13, 1942, Serial No. 438,861
8 Claims. (Cl. 56—122)



1. In a machine of the character described, a main frame, a secondary frame, arms fixed to said secondary frame, and pivotally connected with the main frame, rigidly connected crossed trusses having their ends connected with the arms and with said secondary frame, and an adjusting means between one end of one truss member and one of said arms for adjusting the vertical position of said one end relative to said one arm to raise and lower the other truss relative to the ground to effect leveling of the secondary frame.

2,364,312
BEET TOPPER
Edie J. Patterson, Stockton, Calif.
Application January 2 1943, Serial No. 471,095
6 Claims. (Cl. 55—107)



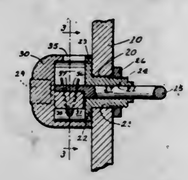
1. In a beet topping machine movable along the ground, a pair of transversely spaced rotary members adapted to ride on top of a beet, a shaft on which the members are mounted, a standard projecting between the members and having a topping knife fixed on its lower end, the standard having means forming a vertical shaft-receiving slot open on one end whereby the standard adjacent the shaft is held against relative horizontal movement, and means including a bolt removably mounting the standard in a fixed position relative to the members and preventing longitudinal movement of the standard.

2,364,313
ARTIFICIAL HAND
Benedict G. Pecorella, Buffalo, N. Y.
Application September 30, 1942, Serial No. 460,221
2 Claims. (Cl. 3—12)



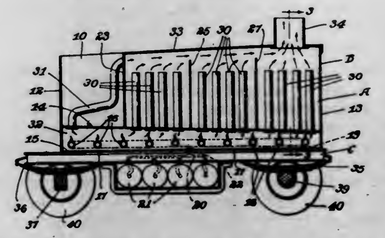
2. An artificial limb comprising a palm, a thumb pivoted on said palm, and means for yieldingly holding said thumb in an open position and locking the same in a closed position comprising a three armed bracket, a main pivot screw pivotally connecting one arm of said bracket and thumb to said palm, a latch adapted to engage a keeper on the palm, an auxiliary pivot screw which pivotally connects said latch with another arm of said bracket at a point remote from said main pivot screw, an abutment screw which connects still another arm of said bracket and thumb at a point remote from said main pivot screw and said auxiliary pivot screw, a spring for opening said thumb having a coil surrounding said main pivot screw and projecting ends on said coil which engage, respectively, with said abutment screw and the palm, and a spring for holding said latch against said keeper and having a coil surrounding said anxiliary pivot screw and projecting ends on said coil which engage, respectively, with said abutment screw and said latch.

2,364,314
VALVE ACTUATING LEVER
Herman E. Pleasant, Grand Rapids, and Fred M. Keller, Holland, Mich., assignors to Crampton Manufacturing Company, Holland, Mich., a corporation of Michigan
Original application November 21, 1941, Serial No. 419,930. Divided and this application August 3, 1942, Serial No. 453,480
3 Claims. (Cl. 74—548)



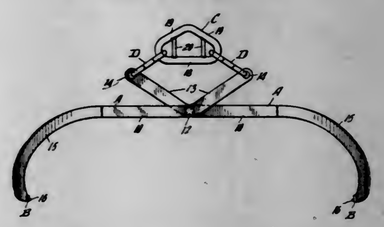
1. In a device of the class described, a tubular fixture adapted to be fixedly secured through the wall of a tank, said fixture having a flanged head provided with a laterally projecting lug, a handle having a chambered head rotatable on the flanged head of the fixture and provided with an opening receiving said lug and limiting the rotative movement of the handle, said chambered head having a spindle provided with a longitudinal plane surface, an actuating lever having a longitudinal plane surface projected through the tubular fixture with its plane surface in juxtaposition with the plane surface of the spindle, and a clip located adjacent said opening and provided with means for securing the handle and lever together and exteriorly operable through said opening to engage and release said spindle and lever.

2,364,315
SNOW MELTING DEVICE
Ernest S. Powell, St. Paul, Minn.
Application March 5, 1941, Serial No. 381,771
3 Claims. (Cl. 126—343.5)



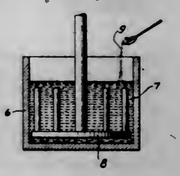
1. A snow melting and evaporating device comprising an elongated heating compartment having heating means therein, opposed side walls and opposed end walls extending upwardly from said heating compartment, a baffle projecting from one side wall toward the opposite side wall, said walls, end walls, and baffle defining two virtually separate compartments, one of said compartments having an open top and a series of heating pipes extending therethrough, the other of said compartments comprising an evaporating compartment, a cover on said evaporating compartment, and a series of heating pipes from said heating compartment extending upwardly into said evaporating compartment and terminating at a point spaced from the top thereof.

2,364,316
GRAPPLING HOOK
Robert R. Royal and Frank F. Hayes, Paducah, Ky., Ralph E. Berggren, Chicago, Ill., and James B. Temple, Paducah, Ky.
Application February 7, 1944, Serial No. 521,323
2 Claims. (Cl. 294—106)



1. In a grappling hook, the combination with two pivotally connected arms, each arm having short and long lever arm portions; of an elongated barlike jaws at the outer end of each arm transversely thereof and projecting at opposite sides of said arm, said jaws of said two arms being opposed and parallel; and diagonal bracing bars extending from each arm to the opposite outer ends of each barlike jaw and fixed to the latter and said arm.

2,364,317
METHOD OF MAKING SELF-INSULATED REFRACTORIES
Reinhold A. Schaefer, Rocky Hill, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware
Application September 16, 1941, Serial No. 411,030
2 Claims. (Cl. 25—156)

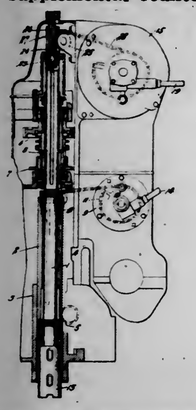


1. In the art of forming a porous, self-insulated refractory article, the steps comprising casting a slip of refractory batch material of the alumina-silica type in a porous mold, generating gas in the slip to form pores in the interior of the cast article and preventing the generation of gas in that part of said slip which forms an outer appreciably thick portion of the article to prevent the formation of pores therein and to render such outer portion substantially impermeable and solid.

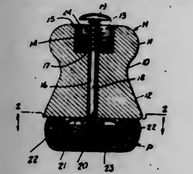
2,364,318
SUPPLEMENTAL COUNTERBALANCE
Lawrence Lee Schauer, Wyoming, Ohio, assignor to The Cincinnati Bickford Tool Company, Cincinnati, Ohio, a corporation of Ohio
Application March 25, 1944, Serial No. 528,069
2 Claims. (Cl. 77—36)

1. A shiftable but non-rotatable sleeve; a vertical spindle journaled at its lower end thereto to be shiftable thereby; a counter-poise operative directly on said sleeve; an extension having its lower end rotatably attached to the upper

end of said spindle to shift but not rotate therewith; and a supplemental counter-poise operatively attached to the lower end of said extension at a point adjacent its attachment to said spindle.



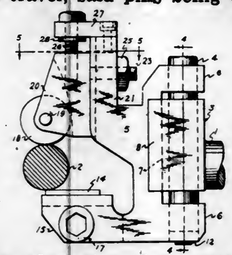
2,364,319
HOLDER FOR METAL WOOL
Abe Schimel, New York, N. Y.
Application November 27, 1943, Serial No. 511,956
3 Claims. (Cl. 15—209)



1. A holding device for metal wool comprising a handle member having a reduced portion dividing the same into an upper gripping portion and a base portion, the diameter of said base portion being greater than the diameter of said gripping portion, said gripping portion having a recess formed in the top wall thereof, said handle member having a central longitudinal bore formed therein, said bore communicating with said recess, a pin having an enlarged head slidably positioned in said bore and passing through said recess, the diameter of said head being smaller than the diameter of said recess, a pad-holding plate member secured to the opposite end of said pin below the bottom wall of the base portion of the handle member, the peripheral edge of said plate member being formed with a plurality of upwardly curved serrations, a spring mounted on the shank of said pin intermediate the head of said pin and the bottom wall of the recess, said spring being substantially housed in said recess, said spring urging the top face of the plate member to abut the bottom wall of the base portion of the handle member.

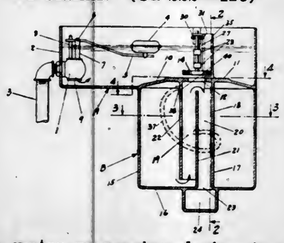
2,364,320
SHAVING TOOL
Michael J. Schlitters, East Detroit, Mich.
Application August 17, 1942, Serial No. 455,088
7 Claims. (Cl. 82—35)

1. In a screw machine tool, a holder, a cutter mounted on the holder to take effect on rotating work, a roller mounted on the holder in spaced relation to the cutter and engageable with the work to float the holder to its position giving the cutter proper effect, a head for actuating the holder to and from the work, a plurality of pins extending through the head and engaged at both ends thereof with the holder to accurately guide its floating travel, said pins being elongated in



the direction of spacing of the cutter and roller and being spaced apart transversely to travel of the head, and a spring reacting between the head and holder to yieldably resist floating travel of the holder, the head having substantially transverse faces parallel to floating travel of the holder and the holder having faces engaging said transverse faces of the head to supplement said pins in guiding the holder in floating travel.

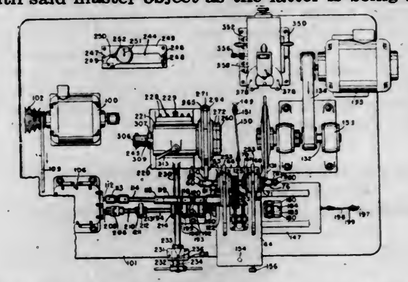
2,364,321
WATER MEASURING TANK
Oscar Sheck, Milwaukee, Wis., assignor to Koehring Company, Milwaukee, Wis., a corporation
Application March 20, 1942, Serial No. 435,585
8 Claims. (Cl. 222—416)



1. In a water measuring device, in combination, a water supply tank, a water measuring tank therebeneath, the top of said tank being integral with the bottom of said supply tank, a siphon tube in said measuring tank, including inlet and outlet branches, the junction of said branches being integral with the bottom of said supply tank, valve means disposed in said supply tank adjacent the same junction and operable to control flow of water from the supply tank to the siphon tube and measuring tank, and a discharge valve operable to control the flow of water from the outlet branch of said siphon tube and measuring tank.

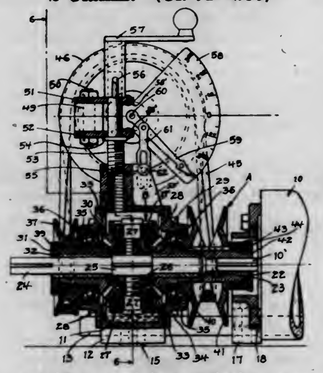
2,364,322
ABRADING MACHINE
Frederick A. Shultz, Franklin L. Speckman, Loren D. Woolley, Elwood T. Mahlmeister, and Leon N. Barnum, Dayton, Ohio, assignors to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Application June 30, 1943, Serial No. 492,814
19 Claims. (Cl. 51—101)

1. In an apparatus for grinding an object in conformity with a master object, the combination of a spindle carrying said master object and the object to be ground; means for rotating said spindle and for simultaneously shifting the spindle along the axis on which it rotates; rotatable grinding means mounted on a non-shiftable support; a control device, mounted on a support shiftable to provide means for adjusting the relative positions of the grinding means and the control means, said control means cooperating with said master object as the latter is being ro-



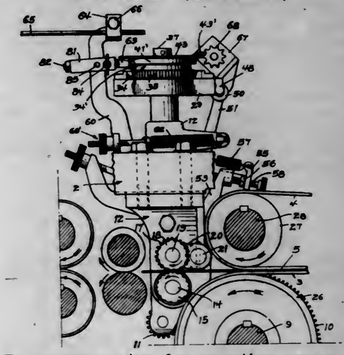
tated and laterally shifted past the control device, to control the position of the object to be ground relative to the periphery of the grinding wheel to cause the object to be ground to be an exact duplicate of the master object; and means to move the spindle toward the control device and the grinding means to constantly maintain the master object in contact with the control device and the object in contact with the grinding means.

2,364,323
VARIABLE SPEED TRANSMISSION
Edwin G. Staude and Axel M. Walstrom, Minneapolis, Minn.; said Walstrom assignor to said Staude
Application June 25, 1942, Serial No. 448,392
6 Claims. (Cl. 74—286)



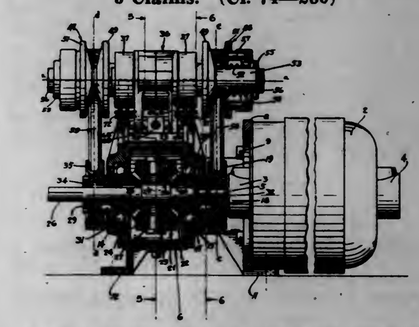
1. A variable speed transmission comprising a pair of axially alined members, a differential gearing operatively connecting together said members, means whereby one of said members may be driven from a source of power, a driven shaft operatively connected to the differential gearing and projecting from one end of the other of said members whereby it may be connected to a load to be driven, a fixed diameter pulley secured to one of said members and a variable diameter pulley secured to the other of said members, a belt operatively connecting together said pulleys for rotation in opposite directions, a pair of sheaves having running connections with said belt, and means for shifting the positions of said sheaves with respect to said pulleys, thereby to permit the variable diameter pulley to automatically change its effective diameter and thereby vary the speed of the driven shaft.

2,364,324
BLANK COUNTER
Edwin G. Staude, Minneapolis, Minn.
Application August 28, 1942, Serial No. 456,512
15 Claims. (Cl. 93—93)



1. In an apparatus for counting paper articles, an article counter, a count indicator, a continuously rotating member, an escapement member, an escapement wheel, an article-actuated mechanism for operating the escapement member, cam means for operating the count indicator, and a follow-up power actuator comprising means under control of the escapement wheel for transmitting power from the rotating member to the cam means, when the escapement wheel is rotated relative to the cam means.

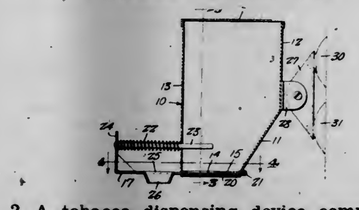
2,364,325
VARIABLE SPEED TRANSMISSION
Edwin G. Staude and Axel M. Walstrom, Minneapolis, Minn.; said Walstrom assignor to said Staude
Application December 30, 1942, Serial No. 470,568
3 Claims. (Cl. 74—286)



1. In a transmission of the class described, a supporting frame, a differential gearing mounted in said frame and comprising oppositely disposed rotatable members, one of which is adapted to be drivingly connected to a source of power, a power output shaft operatively connected to the differential gearing, a fixed diameter V-pulley secured to each of said members, a housing mounted for rocking movement in said frame

about an axis disposed in spaced parallel relation to the axis of the differential, a pair of spaced parallel shafts rotatably supported in the housing, one of said shafts extending outwardly from one end of the housing and the other of said shafts extending from the opposite end of the housing, a variable diameter pulley secured to each shaft extension, a V-belt drivingly connecting each variable diameter pulley to one of said fixed diameter pulleys, gears in said housing connecting together said shafts for rotation in opposite directions and whereby the fixed diameter pulleys rotate in opposite directions, rotary means for rocking the housing to vary the effective diameters of the variable diameter pulleys, thereby to control the speed of the power output shaft, and cam means for simultaneously axially translating said housing, when rocked, thereby to automatically maintain the median plane of said variable diameter pulleys in alignment with the median planes of their respective fixed diameter pulleys.

2,364,326
TOBACCO DISPENSER
Joseph A. Stephens, Vermillion, S. Dak.
Application July 23, 1943, Serial No. 495,873
2 Claims. (Cl. 222—117)



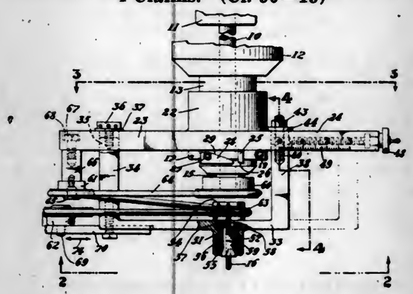
2. A tobacco dispensing device comprising a container having an opening in its bottom, a plate mounted for sliding movement across the opening and projecting laterally from the container, the said plate normally closing the opening but having a discharge port movable into register therewith whereby to permit the contents of the container to discharge therefrom, the said outlet port of the plate being provided with a depending annular lip for receiving and locating a pipe during movement of the port into register with the container opening, a flange bent upwardly from the outer end of the plate, a plunger carried by the flange entering a side wall of the container for agitating the contents of the container during sliding movement of the plate, and a counteractive spring carried by the plunger between the flange and the opposed wall of the container for normally moving the plate to a position to close the container opening.

2,364,327
MOTOR DRIVEN VEHICLE
Benjamin A. Swennes, Rockford, Ill., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application October 10, 1942, Serial No. 461,623
6 Claims. (Cl. 115—1)



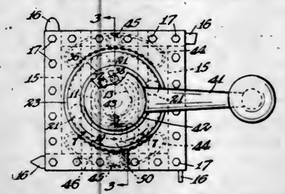
1. In an amphibian vehicle, the combination of movable means on the exterior of the vehicle for propelling the vehicle on land or through the water, a motor in said vehicle and connected to drive said propelling means, transmission means between said motor and propelling means for driving the propelling means at a plurality of speed ratios with respect to the motor, auxiliary transmission means connected in tandem with said first named transmission means and providing a low and a high speed ratio, and a reversing unit connected in series with said transmission means for selectively reversing the direction of rotation of said propelling means for all speed ratios of both of said transmission means, said high speed ratio driving the propelling means at higher speeds when the vehicle is being propelled through water for effectively utilizing the power of the motor.

2,364,328
ATTACHMENT FOR MILLING MACHINES
Eric A. Thorsberg, Mahopac, N. Y.
Application March 17, 1943, Serial No. 479,427
4 Claims. (Cl. 90—15)



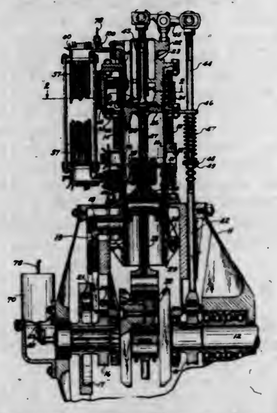
1. An attachment for a milling machine, comprising in combination with a central sleeve constituting a part of the milling machine; a holder for a milling tool, a frame having a sleeve portion embracing said central sleeve, a ring clamped upon said central sleeve and supporting the sleeve portion of said frame, and means positively connecting said holder with said frame and shifting said holder in relation to said frame from a position directly below the center of said central sleeve to a distance equal to the radius of the surface to be milled.

2,364,329
TURRET ATTACHMENT FOR LATHES
Russell W. Waldo and Leon J. Ratte, St. Paul, Minn.
Application February 27, 1943, Serial No. 477,432
7 Claims. (Cl. 29—49)



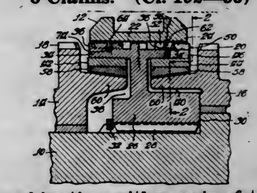
1. A turret for a lathe having in combination, a base having a rigid, centrally located spindle projecting upward therefrom, a tool holder journaled on said spindle, a clamping screw threaded axially in said spindle and formed to clamp said tool holder on the base, a vertically extending indexing pin mounted eccentrically to said spindle and in parallel relation thereto, said pin having relative movable, upper and lower end portions adapted to project respectively from the upper and lower surfaces of said tool holder and said base being formed with indexing recesses severally adapted to receive the lower end portion of said pin, a sleeve formed on one of said end portions of the pin to slidably receive the other end portion thereof, a spring confined within said sleeve for normally extending said portions, one relative to the other, stop means for limiting relative movement of said portions of the pin, a motivating cam fixed on said screw for engaging the upper end portion of said pin to index the tool holder on the base and to compress said spring, said motivating cam being formed with a plurality of shoulders adapted to engage the upper end portion of said pin to rotate said body in one direction and resilient means associated with said pin for retracting it from indexing position.

2,364,330
INTERNAL-COMBUSTION ENGINE
Daniel Michael Weigel, Detroit, Mich.
Application March 16, 1942, Serial No. 434,837
14 Claims. (Cl. 123—74)



10. An internal combustion engine including a power cylinder having a piston reciprocable therein, a combustion chamber, valve means moving in timed relation to the movement of the piston arranged to establish communication between said combustion chamber and said cylinder throughout each outward stroke of the piston and to close said combustion chamber from said cylinder throughout at least the greater part of each inward stroke of said piston, an exhaust valve in said cylinder, means for opening said exhaust valve near the end of each outward stroke of the piston and for maintaining the same open substantially throughout each inward stroke of the piston, an intercooler arranged to cool gas compressed therein, means for compressing air into said intercooler, valve means arranged to establish communication between said intercooler and said combustion chamber during a part of each inward stroke of said piston when said combustion chamber is closed from said cylinder, to admit cooled compressed air from said intercooler into said combustion chamber, and arranged to maintain said combustion chamber closed from said intercooler throughout the remainder of each cycle of the piston, means operated in timed relation to said piston to inject a predetermined quantity of liquid fuel into said combustion chamber during each inward stroke of the piston while said combustion chamber is closed from said cylinder, and means to ignite the mixture of air and fuel in said combustion chamber near the end of each inward stroke of said piston whereby said mixture is burned at substantially constant volume and adiabatically expanded in said cylinder during each outward stroke of the piston.

2,364,331
SYNCHRONIZING TRANSMISSION
Samuel O. White, Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application September 16, 1942, Serial No. 458,508
8 Claims. (Cl. 192—53)



1. In combination with a pair of torque transmitting members to be drivingly connected, clutch mechanism including jaw and friction clutch elements on one of said members, a jaw clutch sleeve drivingly connected to and axially shiftable on the other of said members into clutching engagement with said jaw clutch element, a blocker element interposed between said members and having a portion adapted to frictionally engage said friction clutch element and, when relative rotation between said members exists, to index said blocker element to a position wherein another portion thereof blocks axial advance of said sleeve to jaw clutching position, and means for transmitting the initial shifting movement of said sleeve to said blocker element, for insuring engagement of the latter with said friction clutch element, said means comprising a ring having a peripheral portion arranged to have releasable camming engagement with said sleeve and having another portion arranged to have direct thrust transmitting engagement with said blocking portion.

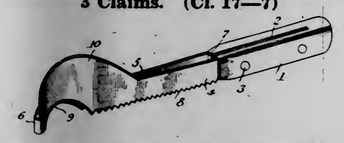
2,364,332
HOSE PIPE
Bernard Wilkinson, London, England, assignor to Wilkinson Rubber Linatex Limited, London, England, a company of Great Britain
Application November 9, 1942, Serial No. 465,047
In Great Britain April 22, 1942
5 Claims. (Cl. 138—55)



1. A flexible hose pipe, comprising a core consisting of an inner tubular layer of a flexible

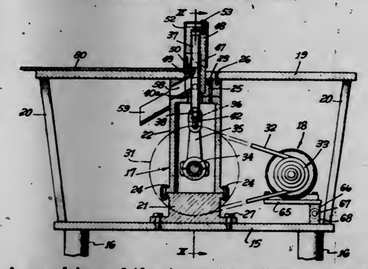
synthetic material, an inner layer of fabric bonded to the core, a surrounding reinforcing helix of regenerated cellulose wire, an outer fabric layer outside said helix and bonded to the inner fabric layer between the convolutions thereof, said inner and outer bonded layers of fabric holding the reinforcing helix against movement relative to the core, and an external protective covering bonded to said outer fabric layer.

2,364,333
FISH SCALING AND CLEANING DEVICE
Charles E. Wisher, Spencerville, Ohio
Application August 3, 1943, Serial No. 497,192
3 Claims. (Cl. 17—7)



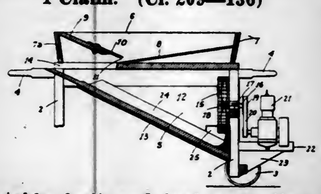
1. In a fish scaling and cleaning device, a handle, a pair of blades secured to the handle and extending therefrom in spaced relation to each other and in close proximity throughout their length, one of said blades being formed with a projection extending substantially midway its ends to the outer end thereof, and said projection having an arcuate beveled cutting edge throughout its length.

2,364,334
NIBBLING MACHINE
Harry C. Wold, Los Angeles, Calif.
Application November 1, 1943, Serial No. 508,605
4 Claims. (Cl. 164—47)



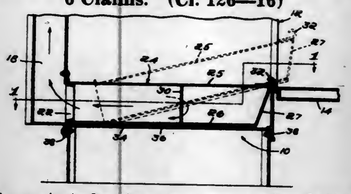
1. A machine of the type described comprising: an elongated reciprocal shearing member and a stationary shearing member, said members having cooperating shearing edges shaped to cut distinct chips out of a work sheet interposed therebetween, whereby repeated movement of the sheet past said members cuts a kerf therein of substantial width; drive means connected to one end of said reciprocal member for reciprocating it through a stroke greater than the thickness of said sheet; a pair of guide members slidably receiving and guiding the two ends of said reciprocal member on opposite sides of its shearing edge; frame means for directly supporting the guide member on that end of said reciprocal member to which said drive means is connected; and a neck member interconnecting said guide members and extending along side said reciprocal member and having a width less than the width of said kerf, said reciprocal member comprising a bar having a notch therein intermediate its ends, said notch dividing the bar into opposite end portions of uniform cross sectional size slidable in said respective guide members, and one edge of said notch constituting said shearing edge, the cutting edge of said notch comprising two sections converging to a point, said reciprocal member being bi-laterally symmetrical with respect to an axial plane passing through said point.

2,364,335
LEAF SEPARATOR
Cecil B. Wooten, El Nido, Calif.
Application November 24, 1941, Serial No. 420,173
1 Claim. (Cl. 209—136)



A portable fruit and leaf separating device including an upstanding frame, transversely spaced ground engaging wheels adjacent the forward end of the frame, handle means projecting longitudinally and outwardly from the rear end of the frame for lifting the frame from said end about the wheels as an axis and for pushing and guiding the device, a fruit and leaf separating unit mounted in the frame and including a fan, a substantially horizontal shelf formed with and projecting forwardly from the front end of the frame some distance above the ground, and a power plant for driving the fan mounted on said shelf ahead of the vertical plane of the axis of said wheels, whereby when the rear end of the frame is lifted, the power plant acts as a counterbalance.

2,364,336
COOKING STOVE
Eugene L. Baker, Taunton, Mass.
Application June 14, 1943, Serial No. 490,723
6 Claims. (Cl. 126—16)



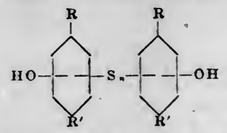
2. In a stove having an oven, a circulating flue at one wall thereof and an opening into the oven at the opposite side thereof, a clean-out flue pan in the bottom portion of the oven chamber and having one side thereof open and in communication with the flue and the top wall of the pan forming the bottom wall of the oven, the opposite side portion of the pan being free for elevation in the oven chamber into alignment with said opening, and means carried by said opposite side portion of the pan for lifting and removing the pan.

2,364,337
METHOD OF TREATING PHOTOGRAPHIC DOCUMENTS
Antonio Campañá Bandranas, Barcelona, Spain
No Drawing. Application May 19, 1943,
Serial No. 487,646
1 Claim. (Cl. 117—1)

The method of treating a material and the substances entering into the production of such material for the manufacture of photographic paper for preventing counterfeiting thereof, said method consisting of producing a coloring bath comprising a solution of phenosafanine to 1:10,000, and immersing the material in said bath for a period of approximately five minutes to obtain the required coloring for the material.

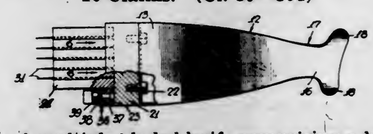
2,364,338
PRESERVATION OF RUBBER
David J. Beaver, St. Albans, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application April 15, 1942,
Serial No. 439,127
22 Claims. (Cl. 260—810)

17. The method of preserving a rubber which comprises treating a rubber with a sulfide of a monohydric dialkyl phenol possessing the structure



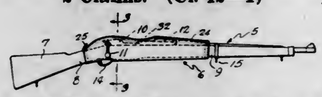
where R and R′ are alkyl groups of less than six carbon atoms at least one alkyl group on each nucleus is a branched chain alkyl group and n is an integer less than three.

2,364,339
MULTIPLE KNIFE
Manó E. Becker, New York, N. Y.
Application May 27, 1943, Serial No. 488,705
10 Claims. (Cl. 30—304)



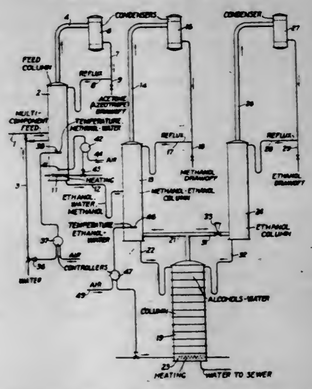
1. A multiple bladed knife comprising a holder, a carrier fastened thereto, a plurality of spacers removably mounted upon said carrier, said spacers having interfitting projections and sockets respectively on the opposite sides of each spacer, a plurality of demountable cutting blades interfitting with the projections on said spacers, the spacers covering substantially all of the area of the blades except for a cutting edge thereof, and means for clamping the spacers and blades together.

2,364,340
SHIELD FOR GUN FIRING MECHANISM
William Alfred Bogg, Jr., Fairfield, Conn., assignor of one-half to William M. Clampett, Fairfield, Conn.
Application October 15, 1942, Serial No. 462,171
2 Claims. (Cl. 42—1)



1. A shield for the firing mechanism of a gun including a stock, trigger guard, barrel and its mounting, bolt and rear sight mechanism; said shield comprising a flexible fabric member adapted to be folded about the firing mechanism from one side of the gun to embrace said mechanism and the portion of the gun in which it is mounted with one end adapted for fitting tightly around the stock to the rear of the trigger guard and the other end adapted for embracing the barrel and the fore end portion of the stock forwardly of the rear sight and bolt mechanism, said shield being provided with an opening at the lower part thereof through which the trigger guard may project and another opening on the side through which the bolt handle may project so that the shield may more closely fit the gun, and a row of interlocking fasteners along the meeting edges of the shield to retain it about the firing mechanism and operable by a longitudinally movable slide of a type to draw the shield snugly about the gun by the operation of securing the fasteners.

2,364,341
DISTILLATION CONTROL
Albert G. Bright and Webster E. Fisher, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application April 24, 1941, Serial No. 390,146
4 Claims. (Cl. 202—42)



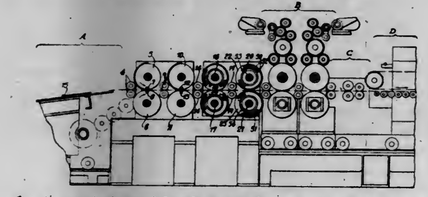
1. A process for separating a mixture containing acetone, methanol, ethanol, and water which comprises substantially continuously feeding the mixture to a distillation unit, also substantially continuously feeding to the distillation unit a content of water, the quantity of water fed being automatically controlled in response to thermal changes at an intermediate point in the distillation to produce a mixture in which the water content is substantially constant in relation to the alcohol, distilling the mixture to remove acetone and methanol as a head product, condensing the distillate and returning a portion thereof as reflux, removing as a residue of this distillation an aqueous mixture of ethanol and methanol wherein the water content has been rendered substantially constant as aforesaid, subjecting this mixture to distillation for recovering methanol as a distillate and ethanol and water as a residue of the distillation, controlling the heat input to this second distillation automatically by control dependent upon thermal changes intermediate of this distillation, subjecting aqueous ethanol residue resulting from this second distillation to a third distillation substantially simultaneously occurring with the second distillation by means of by-passing a portion of the volatilized components to both the second and the third distillation and recovering ethanol as a distillate from the third distillation.

2,364,342

BLANK CREASING AND SLOTTING MACHINE

Hobart W. Bruker, Bordentown, N. J., assignor to George W. Swift, Jr. Inc., Bordentown, N. J., a corporation of New Jersey

Application January 22, 1943, Serial No. 473,151
6 Claims. (Cl. 93—58)



1. A container blank creasing and slotting machine of the class described having side frames carrying successive cooperating pairs of rotary members, one of said pairs of rotary members carrying cooperating dies constructed and arranged to perform one of the aforesaid operations on the forward portions of advancing blanks, and another of said cooperating pairs of rotary members carrying dies constructed and arranged to repeat the above mentioned operation on the rear portions of advancing blanks, a gear train for driving said rotary members, and means operable to free one of said dies from said driving train of gearing to afford angular displacement of said die with respect to the other pair of rotary members and thereby afford adjustment of the distance between said forward and rear operations.

2,364,343

RECOVERY OF FILM SCRAP

Hans T. Clarke, New York, and Joseph Gail Stampfli, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application February 19, 1942, Serial No. 431,610
5 Claims. (Cl. 8—102)

1. A method of discharging the color from dye-containing photographic film scrap which comprises treating the scrap with ozone in an aqueous bath having a pH of less than 7, which bath is free of chlorine compounds for a time sufficient to accomplish the discharge of the color present.

2,364,344

INSULATING COMPOUND

Robert Connell and Samuel I. Wilson, Portland, Oreg.

No Drawing. Application November 23, 1942, Serial No. 466,666
4 Claims. (Cl. 106—86)

1. An active insulating composition comprising a paste and a strong light-weight and fireproof mortar body in approximate proportions of 0.6 pound of said paste to 94 pounds of Portland cement, said paste consisting of about 1 gallon of ammonium stearate, 1 ounce of corn starch, and 1 ounce of ammonium alum sulphate, said mortar body consisting of about 94 pounds of Portland cement, and a vermiculite aggregate of up to 12 volumes to one volume of the Portland cement, and 7 to 14 gallons of water.

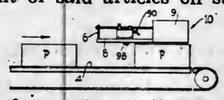
2,364,345

SERIAL NUMBERING DEVICE

Benjamin Cooper, Jersey City, N. J.

Application December 12, 1940, Serial No. 369,859
15 Claims. (Cl. 101—44)

1. In a device for printing on articles moving on a conveyor, a printing head adjacent to the path of said articles, means to propel said head to impact said article to imprint thereon a switch normally projecting into the path of said articles and adapted to be moved out of said path by each article as it passes said switch, said switch being located before the printing head in the direction of movement of said articles on said conveyor,



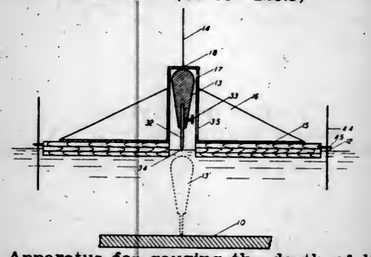
and spaced from said printing head, means to move said switch back to normal position as each article moves beyond said switch, means operative responsive to the movement of said switch back to normal position after it is moved by said article to actuate said propelling means as each article moves beyond said switch, and means to move said printing head away from said article directly upon impact with said article.

2,364,346

APPARATUS FOR GAUGING TANKS

Marion E. Dice, Los Angeles, Calif., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York

Application May 17, 1943, Serial No. 487,399
5 Claims. (Cl. 33—126.5)



1. Apparatus for gauging the depth of liquid in a tank, comprising: a float independent of any part of said tank and resting at the surface of said liquid with a depth of submergence varying only with changes in the specific gravity of said liquid; a graduated tape passing through said float and a bob suspended from said tape beneath said float; means including said tape for raising and lowering said bob to encounter successively the lower side of said float and the bottom of said tank, and a mark in a fixed position as regards said tank against which the graduations of said tape may be read.

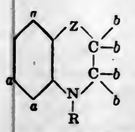
2,364,347

NITROGEN HETEROCYCLIC COMPOUNDS

Joseph B. Dickey, William H. Strain, and Robert A. Corbitt, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application September 26, 1940, Serial No. 358,526
8 Claims. (Cl. 260—247)

1. The heterocyclic compounds having the general formula:



wherein at least one *a* represents an acylamino group and each of the remaining *a*'s represents a member selected from the group consisting of hydrogen, a hydroxyl group, a halogen, an alkoxy group, and an alkyl group, one *b* represents a member selected from the group consisting of hydrogen, a hydroxyl group, and an alkyl group, and the remaining *b*'s represent hydrogen, R represents a hydroxyalkyl group of at least two carbon atom chain length, and Z represents a member selected from the group consisting of —O—, and —S—.

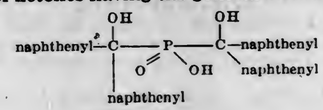
2,364,348

SURFACE-ACTIVE AGENTS

Joseph B. Dickey, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application July 24, 1941, Serial No. 403,879
4 Claims. (Cl. 260—500)

1. As new chemical compounds phosphinic acids of ketones having the general formula:



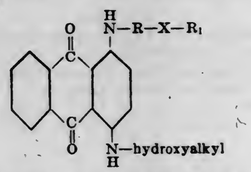
2,364,349

ANTHRAQUINONE COMPOUNDS

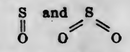
Joseph B. Dickey, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application October 7, 1941, Serial No. 414,035
3 Claims. (Cl. 260—373)

1. The anthraquinone dye compounds having the formula



wherein R stand for an aliphatic hydrocarbon radical, X stands for a member selected from the group consisting of



and R_1 stands for an aliphatic group.

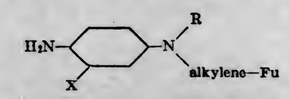
2,364,350

PHOTOGRAPHIC DEVELOPER

Joseph B. Dickey and James G. McNally, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application November 6, 1941, Serial No. 418,041
7 Claims. (Cl. 95—88)

1. A photographic developer which contains, as an essential ingredient, a substantial amount of an amino compound of the following general formula:



wherein Fu represents a member selected from the group consisting of furyl groups and tetrahydrofuryl groups, R represents a member selected from the group consisting of hydrogen, alkyl groups, hydroxy alkyl groups, alkoxy alkyl groups, cycloalkyl groups, amidoalkyl groups, aryl groups and heterocyclic groups, and X represents a member selected from the group consisting of hydrogen and alkyl groups.

2,364,351

QUINAZOLINE AZO COMPOUNDS

Joseph B. Dickey, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application September 17, 1942, Serial No. 458,723
5 Claims. (Cl. 260—154)

1. The azo compounds having the formula:

R—N=N—Q

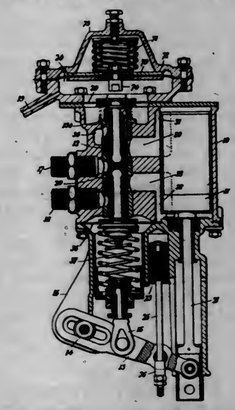
wherein R stands for a nucleus selected from the group consisting of nuclei of the benzene series, nuclei of the naphthalene series, nuclei of the benzoxazole series and nuclei of the benzothiazole series, Q stands for the residue of a tetrahydroquinazoline nucleus substituted in its 1-position by a member selected from the group consisting of an alkyl group, a hydroxyalkyl group, an alkoxyalkyl group, a halogenoalkyl group, a cyanoalkyl group, a sulfoalkyl group, a sulfatoalkyl group, a phosphatoalkyl group, a phosphitoalkyl group, a cycloalkyl group and a furfuryl group, said tetrahydroquinazoline nucleus being joined to the azo bond through the carbon atom in its 6-position and said benzoxazole and benzothiazole nuclei being joined to the azo bond through the carbon atom in the α-position.

2,364,352

FLUID OPERATED MEANS FOR CONTROLLING APPARATUS AT A DISTANCE

Edward Dodson, Oaks, Puriton, near Bridgwater, England

Application November 19, 1941, Serial No. 419,720
In Great Britain February 1, 1941
3 Claims. (Cl. 137—139)



1. In a remotely controlled servo-motor installation of the kind comprising a chamber containing a pressure-sensitive element exposed to fluid pressure supplied under manual control to the chamber from a distant source, a relay valve operatively connected to the pressure-sensitive element, and a servo piston operating under the control of the relay valve to take up a position

determined by the load exerted on the pressure-sensitive element by the fluid pressure prevailing in said chamber, the combination with the pressure-sensitive element of a biassing device located in the chamber and normally maintained inoperative body by said fluid pressure therein, said biassing device being arranged to engage and move the pressure-sensitive element and therefore the servo piston to a predetermined position upon failure of said fluid pressure in the chamber.

2,364,353

ELEVATING APPARATUS FOR HANDLING BULK MATERIALS

Edward P. Escher, Chicago, Ill., assignor to Screw Conveyor Corporation, Hammond, Ind., a corporation of Illinois

Application February 25, 1943, Serial No. 477,026
7 Claims. (Cl. 198—213)



1. A vertical lift screw conveyor apparatus comprising a vertical housing structure of a given conveying capacity and having a cylindrical bottom portion of greater size or conveying capacity than the remaining upper portion of said housing structure and provided with a lateral feed opening communicating with a quadrant portion only of said bottom cylindrical portion of the housing structure, vertical screw conveying mechanism operating within said housing structure and conforming to the relative sizes of its upper and bottom portions and having an initial horizontal conveying flight below the level of said feed opening, and means for feeding the material to be handled to said feed opening for delivery to said bottom housing portion and to the lower end of said conveying mechanism.

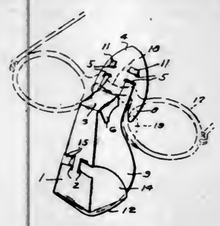
2,364,354

NOSE PROTECTOR

Estel D. Felch, Madison, Wis.

Application April 13, 1943, Serial No. 482,891
6 Claims. (Cl. 2—206)

1. A nose protector of the character described comprising a front, sides on said front, a neck extending from one end of the front, a head on said neck, means securing the neck to the upper portions of the sides, means securing the sides to the head, a bottom on the other end of the front, upstanding flaps on the bottom, means securing the flaps against the sides, and ears on



the head engageable with an eyeglass frame for removably mounting the protector thereon.

2,364,355

AZO COMPOUNDS

Gordon F. Frame and Charles F. H. Allen, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application March 14, 1942, Serial No. 434,780
5 Claims. (Cl. 260—192)

1. The azo compounds having the formula:

$$R{-}N{=}N{-}R_1$$

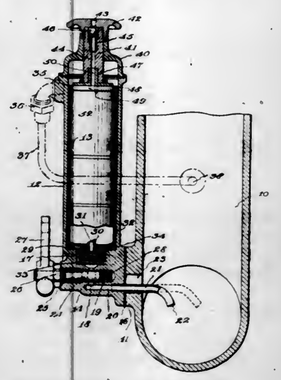
wherein R—N=N— stands for the residue of a diazotized 4-amino-fluoranthene and R_1 stands for a naphthalene sulfonic acid substituted with at least one member selected from the group consisting of a hydroxy group and an amino group.

2,364,356

DIESEL STARTING BOOSTER

John F. Greathouse, Plainfield, N. J., assignor to Mack Manufacturing Corporation, New York, N. Y., a corporation of Delaware

Application February 28, 1944, Serial No. 524,328
9 Claims. (Cl. 123—187.5)



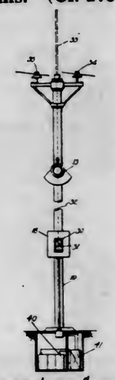
1. Engine starting aid mechanism for use with engine air inlet manifolds comprising a chamber, a passage between the chamber and manifold, a valve in the passage, a cover for the chamber releasable to permit a container to be inserted in the chamber, means in the chamber to pierce the container, and means associated with the chamber to cause the container to be pierced by the piercing mechanism.

2,364,357

SIGNALING SYSTEM

William S. Halstead, Huntington, N. Y.

Original application September 8, 1941, Serial No. 410,069. Divided and this application March 29, 1944, Serial No. 528,633
12 Claims. (Cl. 178—5.6)



1. In a receiving system for simultaneously receiving a multiplicity of control signals, a normally-on carrier wave receiver, filter means connected to an output circuit of said receiver, a signal rectifier connected to an output circuit of said filter, relay means connected to an output circuit of said signal rectifier, said relay being responsive to rectified control signals of predetermined frequency as passed by said filter, visual signal indicating means upon energization of said relay, a second filter means connected to an output circuit of said receiver, and aural signal reproducing means connected with an output circuit of said last-mentioned filter, said signal reproducing means being responsive to audio frequency signal energy within a predetermined frequency band as passed by said last-mentioned filter.

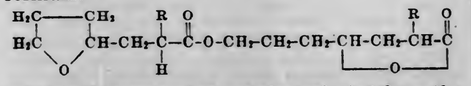
2,364,358

ESTER-LACTONES

Rudolph Leonard Hasche and Jack J. Gordon, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application August 18, 1943, Serial No. 499,112
10 Claims. (Cl. 260—344)

1. An ester-lactone of the following general formula:



wherein R represents a member selected from the group consisting of hydrogen and alkyl groups.

2,364,359

PRINTING COMPOSITIONS AND METHODS OF PRINTING THEREWITH

Roy Herman Kienle and Chester Albert Amick, Bound Brook, and Clarence Clifton Kerns, Middlesex Boro, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application November 6, 1940, Serial No. 364,530
20 Claims. (Cl. 8—70)

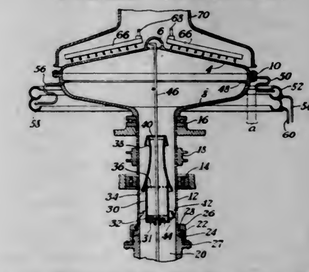
1. A putty suitable for planographic printing comprising a developable color composition and a hydrophilic carbohydrate gum, the putty being characterized by hardness at room temperature, thermoplasticity and a long softening range the carbohydrate gum being the main bodying constituent.

2,364,360

HIGH VACUUM DISTILLATION PROCESS AND APPARATUS

Kenneth C. D. Hickman, Rochester, N. Y., assignor to Distillation Products, Inc., Rochester, N. Y., a corporation of Delaware

Application March 28, 1942, Serial No. 436,646
4 Claims. (Cl. 202—205)



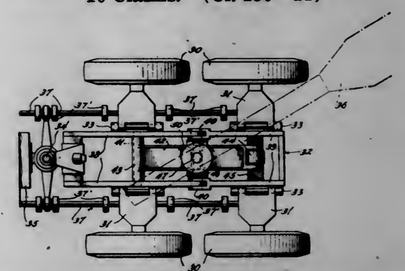
1. High vacuum centrifugal distillation apparatus comprising vaporizing and condensing surfaces adapted to be rotated as a unit about a common axis and co-operating to form the walls of a vacuum tight still, means for rotating the surfaces in an environment which is at approximately atmospheric pressure, means for applying heat to that side of the vaporizing surface which is at approximately atmospheric pressure, an evacuating port communicating with the space between the vaporizing and condensing surfaces, means for introducing distilland onto the approximate center of and means for removing residue from the periphery of that side of the vaporizing surface which is not exposed to approximately atmospheric pressure and means for removing distillate from that side of the condensing surface which is not exposed to atmospheric pressure.

2,364,361

ARTILLERY TRACTOR

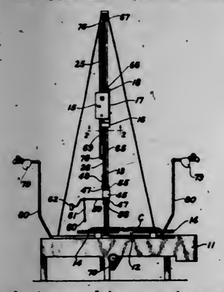
Zsigmond Hollós, New York, N. Y.

Application June 1, 1942, Serial No. 445,357
10 Claims. (Cl. 180—14)



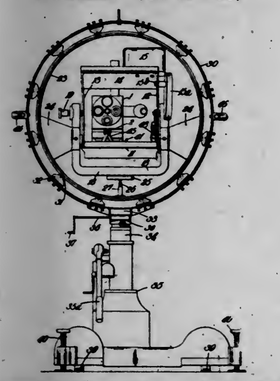
1. A vehicle of the trailer type comprising an auxiliary frame, a plurality of stub axle housings pivotally secured to the frame and each having means for driving corresponding drive wheels, a central beam pivotally mounted at one end on the auxiliary frame, and a trailer frame having one end rotatably and pivotally secured to the central beam.

2,364,362
PHOTOGRAPHIC COPYING APPARATUS
Roy S. Hopkins, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application December 31, 1941, Serial No. 425,169
10 Claims. (Cl. 88—24)



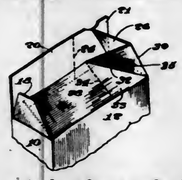
1. In a photographic copying apparatus, the combination with a base including a fixed support and a copy holder, a camera movable with respect to said support and having a focusing lens, and a focusing means movably mounted on said support and connected to said lens for focusing the same when said camera is moved with respect thereto, of an attaching means connected to said focusing means for engaging said support during movement of said camera with respect to said focusing means, and a means between said camera and attaching means and adapted when said attaching means is disengaged from said support to connect said camera and focusing means in a fixed relation for movement with respect to the copy.

2,364,363
MOUNTING FOR CINEMATOGRAPH CAMERAS
Sydney Howell, Perivale, England, assignor of one-half to Ealing Studios Limited, London, England, a British company
Application April 9, 1942, Serial No. 438,221
In Great Britain April 30, 1941
5 Claims. (Cl. 95—86)



1. A mounting for a cinematographic camera, comprising a stand, a first ring mounted on said stand for rotary movement about a first axis at right angles to the axis of said ring, a second ring coaxial with and supported by said first ring for rotary movement relative thereto about a second axis coinciding with the common axis of said rings, a cradle disposed in the cylindrical space defined by said second ring, means supporting said cradle on said second ring a frame supported on said cradle for pivotal movement relative thereto about a third axis at right angles to said first and second axes, and means for mounting a camera in said frame.

2,364,364
PACKAGE
Oscar H. Hultin, Quincy, Mass., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass., a corporation of Massachusetts
Application January 15, 1942, Serial No. 426,808
9 Claims. (Cl. 229—17)



1. As a new article of manufacture, a package comprising a carton having side and end wall panels provided with extensions forming the top closing flaps, said top closing flaps including an integral side and end flap member folded to form a bellows like fold in said member as a part of the closed top of the carton and when opened to form a pouring spout, said bellows fold being folded in a manner such as to cause a portion thereof to project beyond one of the wall panels of the carton to facilitate opening of the pouring spout.

2,364,365
TRANSPORT TRAILER
Victor J. Hultquist, Alcoa, Tenn.
Application June 18, 1943, Serial No. 491,327
11 Claims. (Cl. 214—85)

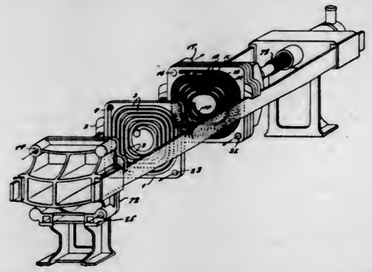


1. A transport trailer including a ground frame, a shaft carried by said frame, an elevating brace slidably and swingingly supported by said shaft, cable drums carried by said frame, means for operating said drums, and cables leading from said drums and removably connected to said elevating brace for adjusting the elevating brace relative to said frame for longitudinal tilting of said frame relative to the ground surface, and a load-receiving platform mounted for movement on the ground frame, said cables when disconnected from the elevating frame being adapted for connection to the platform for operating the same relative to the ground frame.

2,364,366
FRACTIONAL REMOVAL OF LIQUIDS FROM LIQUID-SOLID SUSPENSIONS
Carl A. Jahreis, Leonia, N. J., assignor to John L. Hutton, trading as T. Shriver & Company, Harrison, N. J.
Application November 13, 1941, Serial No. 419,037
10 Claims. (Cl. 210—188)

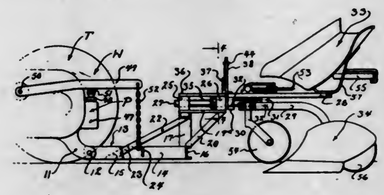
1. Apparatus for the fractional removal of liquid from a suspension of solids in liquids comprising a series of plates in face-to-face relation, each alternate plate having therein a central

web and means extending from each side thereof and constituting a continuous channel partly defined by walls terminating in edges, the axis of said channel being substantially parallel to the face of said plate; a filter medium adapted when in sealing contact with the edges of said channel to form a continuous conduit defined by the walls



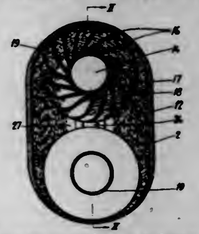
of said channel and a surface of said filtering medium; means to maintain said filter medium in liquid-tight sealing contact with the edges of said channel; means to continuously pass through and remove from said continuous conduit a liquid containing solids in suspension therein; and means in an adjacent plate to receive filtrate from said conduit.

2,364,367
PLOW
Ewald Peter Janke, Charles City, Iowa, assignor to J. I. Case Company, Racine, Wis., a corporation
Application January 14, 1942, Serial No. 426,659
2 Claims. (Cl. 97—26)



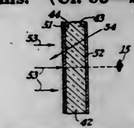
1. A two-way plow comprising in combination a wheeled tractor, a substantially horizontal frame having means at spaced points along the front edge pivotally attaching the same to said tractor on a horizontal pivotal axis arranged transversely of the tractor, a shaft journaled on the frame and extending to the rear of said frame, right and left plows fixed on said shaft, respectively parallel to longitudinal planes intersecting substantially at right angles to each other on a line parallel to said shaft, and said plows being arranged for pivotal movement with said shaft, a lever fixed with said shaft for swinging said plows into operative and inoperative positions, and locking means on said frame engaging said lever for holding the same and said plows in selected positions, said locking means defining a central position of said lever for holding both of said plows in an inoperative position, a plurality of positions at one side of said central position for leveling one of said plows in working position, and a plurality of positions at the other side of said central position for leveling the other plow in working position.

2,364,368
FLUID PRESSURE MACHINE
Johan Julius Järnåker, Hedemora, Sweden
Application July 8, 1943, Serial No. 493,803
In Sweden March 19, 1941
20 Claims. (Cl. 230—79)



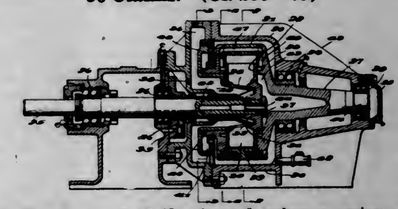
1. In a compressor, the combination of a hollow container containing a body of liquid, means to maintain said body of liquid in position by centrifugal force, hollow shafts in said container disposed parallel with and excentrically relatively the geometric axis of the container, blade wheels mounted on each of said hollow shafts, said blade wheels having spaced blades partially submerging in said body of liquid, the whole central edges of said blades resting tightly against said hollow shafts, cells being formed between said blades receiving fluid and open towards periphery and centre, inlets in said hollow shafts, outlets from said hollow shafts, an inlet passage in the container for a medium to be admitted into said body of liquid communicating with said blade wheels, an outlet passage for said medium communicating with said blade wheels, and means to effect a relative movement between said blade wheels and the body of liquid.

2,364,369
DIFFUSING SCREEN
Edwin E. Jelley and Henry C. Staehle, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application February 5, 1942, Serial No. 429,622
6 Claims. (Cl. 88—28.93)



1. A translucent screen for displaying optical images comprising a translucent plate one surface of which is rough and an optical interference layer for reducing reflection coated on the rough surface.

2,364,370
HYDROTURBINE PUMP
Irving C. Jennings, South Norwalk, Conn.
Application January 25, 1941, Serial No. 375,995
36 Claims. (Cl. 230—79)



1. In a pump of the type having a rotor with displacement chambers cooperating with inlet

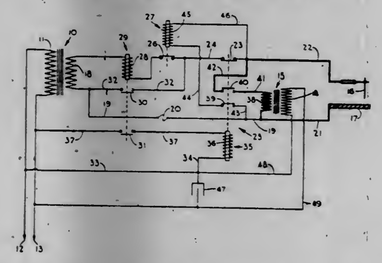
and outlet ports and using liquid for its pumping action, the combination of a rotatable lobe, a rotor mounted for movement therein, means to drive said rotor, and means independent of said rotor to rotate said lobe.

2,364,371
DOUBLE POLARIZATION FEED FOR HORN ANTENNAS
Martin Katzin, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application August 31, 1940, Serial No. 354,955
13 Claims. (Cl. 250—11)



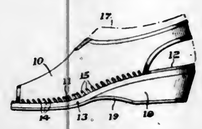
2. Means for coupling a pair of independent transducer means to a wave guide comprising a pair of elongated resonant chambers each closed at one end, an antenna mounted within each of said chambers and having an axis of symmetry transverse to said chambers, said antennas lying in mutually perpendicular planes the dimensions of each of said chambers transverse to the axis of the antenna therewithin being at least a half of the operating wavelength and the dimension of each of said chambers parallel to the axis of the antenna therewithin being substantially less than a half of the operating wavelength of the other of said antennas, said wave guide having an open end thereof in operative relationship with the open ends of said chambers.

2,364,372
AUTOMATIC SAFETY CONTROL FOR ARC WELDING
Ralph S. Kenrick, Chicago, Ill., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application September 7, 1942, Serial No. 457,551
10 Claims. (Cl. 171—119)



1. An automatic safety control circuit including an alternating current source of power, a work circuit, a transformer in said circuit having its primary connected to the source of power and having a secondary delivering work current, a control transformer in the circuit having its primary connected to said source of power and a secondary delivering control current, a control relay in circuit with the control transformer secondary adapted to be energized upon completion of a starting circuit initiated by loading the work circuit, a holding circuit for maintaining the energization of the relay, a contact on the relay adapted to complete said holding circuit upon energization of the relay, a power contactor relay adapted to be connected in circuit with the source of power, a second contact on the control relay in the actuating circuit for said power contactor relay adapted to initiate energization of the last-named relay from said source of power, said power contactor relay having a main contact adapted to complete the work circuit through said work circuit transformer secondary upon energization of the power contactor relay, a second contact on the last-named relay adapted to isolate the work circuit from said control current when the power contactor relay is energized, a voltage responsive relay having a contact disposed in the holding circuit for said control relay, a third contact on the power contactor relay adapted to complete a resetting circuit from the work circuit transformer secondary to energize said voltage responsive relay and open said contact in the holding circuit, and a fourth contact actuated by the power contactor relay adapted to disconnect the work circuit transformer primary from said source of power when the work circuit is unloaded.

2,364,373
SHOE AND METHOD OF MAKING THE SAME
Samuel L. Kleven, Augusta, Maine
Application December 28, 1943, Serial No. 515,948
7 Claims. (Cl. 36—12)



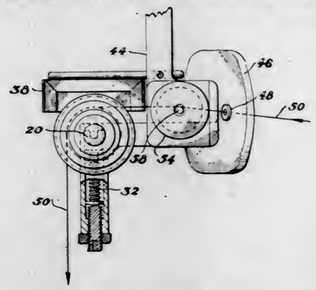
1. A shoe comprising an upper, an insole, an outsole structure attached to said insole, at least certain marginal portions of said upper abutting the upper surface of said outsole structure and the outer edges of said insole, and means extending spirally through adjacent marginal portions of said upper and said insole to lace said upper to said insole.

2,364,374
COLOR PHOTOGRAPHIC MATERIALS
Edward B. Knott, Wealdstone, Harrow, England, assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application July 3, 1941, Serial No. 400,925. In Great Britain July 23, 1940
5 Claims. (Cl. 95—7)

1. The method of preventing the diffusion in photographic gelatino-silver halide layers, of color couplers which couple with the oxidation product of primary aromatic amino color developers, which comprises mixing the color coupler with the gelatin and an appreciable amount of a water-insoluble salt of a resin.

2,364,375
YARN PRODUCTION
Frederick G. Kraft, Richmond, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application October 12, 1943, Serial No. 505,897
4 Claims. (Cl. 242—155)

1. A yarn tensioning apparatus comprising a yarn-driven roller, a braking member, yieldable means forcing said roller into frictional contact with said braking member against the pull exerted on the yarn in drawing the latter from said roller,



and means for passing the yarn to said roller at an angle of approximately 90° to the path of the yarn drawn from said roller.

2,364,376
STRETCHING MACHINE FOR FLATTENING METAL STRIP
Norman Cecil Lake, Stockton-on-Tees, England, assignor to Head, Wrightson & Company, Limited, Thornaby-on-Tees, England
Application November 17, 1941, Serial No. 419,483
In Great Britain September 24, 1940
6 Claims. (Cl. 153—2)

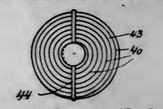


1. In a machine for uncoiling, leveling, stretching and recoiling metal strip, means for supporting a coil of the strip for rotation; a leveling device comprising spaced pressure exerting roll means between which said strip is adapted to pass longitudinally; means mounting the pressure exerting roll means on one side of said strip for movement selectively towards and from the pressure exerting roll means on the other side of said strip for respectively applying leveling pressure on said strip and for discontinuing the application of leveling pressure and thereby leaving said strip free to extend between the pressure applying roll means on opposite sides of the strip unrestrained by said pressure exerting roll means against longitudinal movement; a first gripper head; a second gripper head; means mounting said gripper heads respectively on opposite sides of said leveling device in the direction in which said strip passes through said leveling device; means for driving said pressure exerting roll means to unwind the strip from said coil and forward it to said first gripper head; means on said first gripper head for gripping the extended end of the thus forwarded strip; means for moving said first gripping head away from said leveling device while the strip is being moved between said pressure exerting roll means until said strip has been uncoiled and the opposite end portion of the strip has been leveled; means for reversing the drive to said pressure exerting roll means for moving said strip reversely and toward said second gripper head accompanied by reverse movement of said first gripper head with the gripping means thereon still gripping said strip extended end; means on said second gripping head for gripping said opposite end of said strip; means for moving said movably mounted pressure exerting roll means away from the pressure exerting roll means on the other side of said strip to leave the strip free from restraint against longitudinal movement by said roll means; means for effecting relative separating movement of said gripper heads to stretch said strip; and means for deflecting said strip to coil it upon being again fed through said leveling device after at least one end of the strip has been released from the associated gripper head.

2,364,377
PROCESS FOR THE PREPARATION OF BUTADIENE
Allen Everett Lawrence, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 8, 1942, Serial No. 442,227
13 Claims. (Cl. 260—680)

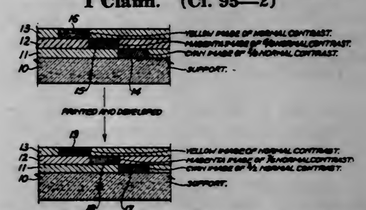
13. In a process for the preparation of butadiene, the steps which comprise pyrolyzing cyclohexane, cooling the reaction vapors by plunging them into water, subjecting the uncondensed vapors after said cooling to scrubbing with a light petroleum oil, compressing the unabsorbed vapors to a pressure of 5 atmospheres, subjecting them to scrubbing with a light petroleum oil under 5 atmospheres pressure and finally recovering the butadiene and unconverted cyclohexane by distillation from the cooling water and scrubbing oil.

2,364,378
VENTILATOR LOUVER ELEMENT
Claus Levinsen, Brooklyn, N. Y.
Application September 3, 1942, Serial No. 457,111
1 Claim. (Cl. 98—121)



A louver element for porthole ventilators consisting of a continuous strip of material of undulating cross section wound to form a spiral and spacing members engaging the edges of the convolutions of the spiral on both sides thereof to space the convolutions in predetermined parallel relation with the convex portions of each convolution overlapping the concave portions of an adjacent convolution to provide tortuous air channels between the convolutions and exclude the passage of light through said ventilator.

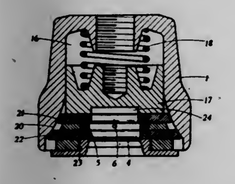
2,364,379
COLOR CORRECTION IN DUPLICATING COLOR PHOTOGRAPHS
Leopold D. Mannes, New York, N. Y., and Leopold Godowsky, Jr., Westport, Conn., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application November 23, 1940, Serial No. 366,854
In Great Britain January 11, 1940
1 Claim. (Cl. 95—2)



The method of producing a natural-color photographic print of normal contrast and satis-

factory color rendition, which comprises forming cyan, magenta, and yellow images in a multilayer material by color-forming development steps, the cyan developer containing approximately one-sixth the amount of coupler necessary to form a dye image of normal contrast, and the yellow developer containing the amount of coupler necessary to form an image of normal contrast, printing said images onto a second multilayer material, and developing images therein by color-forming development steps in which the cyan developer contains approximately twice the amount of coupler necessary to form a dye image of normal contrast, and the yellow developer contains the amount of coupler necessary to form an image of normal contrast.

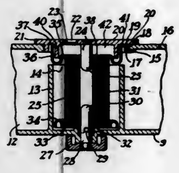
2,364,380
BOTTLE CAPPING APPARATUS
Anthony Joseph Marek, Blackheath Park, London, England, assignor to Kork-N-Seal Limited, London, England, a British company
Application April 22, 1940, Serial No. 331,025
In Great Britain July 5, 1939
9 Claims. (Cl. 226—85)



1. A capping head for a machine for capping bottles having an annular ledge, comprising an outer casing having a cylindrical bore, a plunger axially movable in said bore and having a bottle neck receiving socket therein, a pair of deformable rings in said socket spaced from one another in the direction of the axis of the plunger for engagement with different portions of the skirt of a metal cap in position on the neck of a bottle, a relatively rigid ring interposed between the deformable rings and adapted to surround the annular ledge, two sets of superposed radially displaceable slides carried by the plunger and having their inner ends engaging the deformable rings and their outer ends displaceable by the casing whereby, upon relative movement between the outer casing and the plunger, the deformable rings are compressed to force inwardly spaced portions of said skirt at opposite sides of said annular ledge.

2,364,381
ROLL HOLDING CAMERA
Joseph Mihalyi, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application January 14, 1942, Serial No. 426,744
9 Claims. (Cl. 242—71)

1. In a roll holding camera, the combination with a camera body of a spool chamber therein, a cover for the spool chamber carried by a wall of the camera and including spaced annular flanges, a window in said cover, a thread on one flange for attaching said cap to the camera, said spool chamber being adapted to receive a film spool with an upstanding annular rim on one spool flange, said spaced annular flanges providing a groove to receive the annular rim on



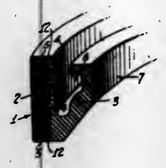
the spool flange to form a light-tight connection therewith.

2,364,382
RUBBERLIKE PRODUCTS AND PREPARATION THEREOF
Arnold J. Morway, Roselle, N. J., assignor, by mesne assignments, to Jasco, Incorporated, a corporation of Louisiana
No Drawing. Application December 24, 1936, Serial No. 117,634
10 Claims. (Cl. 252—48)

1. A synthetic rubber-like product derived by treatment with a chloride of sulfur of a polymerized isobutylene having a molecular weight above about 1,000.

3. A lubricant comprising a lubricating oil and a sulfurized isobutylene polymer, said isobutylene polymer having a molecular weight above about 1,000.

2,364,383
PACKING
Gerald W. Neesen, Somerville, N. J., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application September 30, 1942, Serial No. 460,206
3 Claims. (Cl. 288—5)

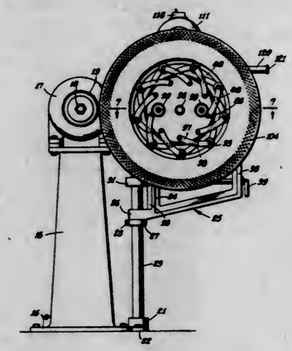


1. A ring packing comprising a preformed supporting heel including fabric layers impregnated and bonded with a hardened composition, said heel having annular grooves in a face thereof and a flexible lip comprising a hardened composition having integral ribs extending into and filling said grooves and united to said heel.

2,364,384
BUFFING LATHE FOR VEHICLE TIRES
Arthur R. Oakes, Monrovia, Calif., assignor to Jesse F. Brown, Los Angeles, Calif.
Application March 19, 1941, Serial No. 384,126
7 Claims. (Cl. 29—76)

1. In a tire buffing lathe, a pair of cylindrical members, means to connect said members together to form a composite circular track, a tire-mounting rotatably carried by said track, said members forming diametrically opposed bearings,

an arm having a transverse pin connected thereto journalled in said bearings, the center of said



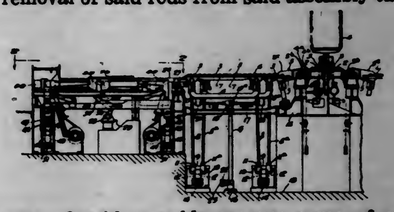
track and the axis of said pin lying in the same plane.

2,364,385
SNAP COUPLING, PARTICULARLY FOR MULTIPOLE MAGNETOS
Walter Ochsenbein, Berne, Switzerland, assignor to Hasler A.-G. Werke für Telephonie und Präzisionsmechanik, Berne, Switzerland
Application June 12, 1943, Serial No. 490,705
In Switzerland February 2, 1942
1 Claim. (Cl. 171—209)

In a snap coupling for connecting the rotor shaft of a multipole magneto with a shaft of an internal combustion engine, the combination with two coupling portions rotatable relative to one another, one of said portions being fast on said rotor shaft of the magneto and the other portion being operatively connected with said shaft of said internal combustion engine, of a torsional spring connecting said two coupling portions, and a plurality of circumferentially spaced teeth on each of said portions, the teeth on one of said portions meshing with those on the other portion with a predetermined lateral play, whereby the two coupling portions can be angularly adjusted relative to one another so as to give said torsional spring any desired initial tension.

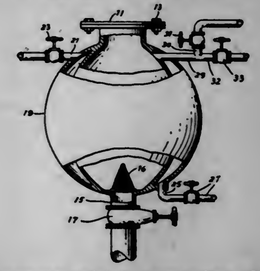
2,364,386
ROLLING MILL
Edward T. Peterson, Reading, Pa.
Application July 17, 1942, Serial No. 451,330
12 Claims. (Cl. 80—49)

1. In a rolling mill, the combination of an assembly table, a plurality of transversely spaced movable means arranged to move rods longitudinally of said mill, vertically movable stepped track means, and transfer tables carried by said track means and arranged to telescope one another in a direction transversely of said mill for the removal of said rods from said assembly table



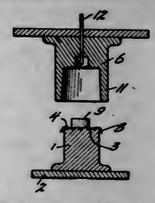
to some of said movable means; some of said transfer tables being elevated by contacting said step.

2,364,387
PRODUCTION OF POLYMER
Wesley Rasmus Peterson, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application July 23, 1941, Serial No. 403,598
5 Claims. (Cl. 260—78)



1. The process which comprises depolymerizing into polymer-forming units, by heating under pressure in the presence of water, a solid synthetic linear polymer taken from the class consisting of synthetic linear polyamides and synthetic linear polyesters, and polymerizing, by removal of water at a polymer-forming temperature, said polymer-forming units together with different polymer-forming units taken from the class consisting of synthetic linear polyamide-forming units and synthetic linear polyester-forming units.

2,364,388
METHOD OF MOLDING DECORATED PLASTIC ARTICLES
Forrest G. Purinton and William A. Zwiebel, Waterbury, Conn., assignors to The Patent Button Company, Waterbury, Conn., a corporation of Connecticut
Application September 1, 1942, Serial No. 456,930
5 Claims. (Cl. 18—61)



1. The method of molding decorated plastic articles in a press having a face die and a body die, the face die having a design forming depres-

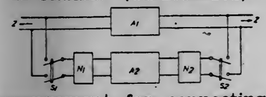
sion cut therein, placing a plastic charge between the dies, placing an intermediate member between the said dies, partially closing the press so that the said dies will contact the intermediate member, subjecting the charge to heat and pressure to fill the depression in the face die and displace any surplus plastic therefrom, quickly opening the dies, removing the intermediate member, placing a charge of plastic of different color between the dies, the first mentioned charge of plastic still remaining in the depressions of the face die, closing the dies, subjecting the plastics to heat and pressure and allowing the two plastics to unite and cure, opening the dies and removing the decorated plastic article from the dies.

2,364,389

NEGATIVE FEEDBACK AMPLIFIERS

Alleman Holly Roche and Thomas William Elliott, London, England, assignors to Standard Telephones and Cables Limited, London, England, a British company

Application November 29, 1943, Serial No. 512,174
In Great Britain December 24, 1942
11 Claims. (Cl. 179—171)



1. An arrangement for connecting between two sections of an electric signal transmission line two similar negative feedback amplifiers in parallel without producing instability, each of the amplifiers having input and output transformers, comprising means for causing the frequency of series resonance of one of said transformers of one amplifier to differ by a predetermined amount from the frequency of parallel resonance of the corresponding transformer of the other amplifier.

2,364,390

METHOD FOR REMOVING MERCAPTAN SULPHUR FROM PETROLEUM DISTILLATE

Jan G. Schaafsma, Pasadena, Calif., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York

No Drawing. Application May 25, 1942,
Serial No. 444,494
2 Claims. (Cl. 196—28)

1. The method of removing mercaptan sulphur from petroleum distillate which consists in contacting the vapor of said distillate, at a temperature within the range 800° to 900° Fahr., with a granular reagent consisting substantially solely of calcium oxide and calcium hydroxide.

2,364,391

TREATMENT OF FABRICS WITH METALLIC SOAPS

Harold Schiller, Los Angeles, Calif., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York

No Drawing. Application June 1, 1943,
Serial No. 489,299
4 Claims. (Cl. 106—243)

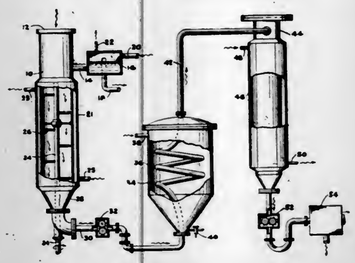
1. A treating solution for fibrous materials, comprising: a heavy metal soap of a soap-forming organic acid; water; ammonia in quantity sufficient to produce solution of said soap in said water, and a quantity of an alkylolamine sufficient to delay the precipitation of said soap which otherwise results from the evaporation of the ammonia.

2,364,392

PRODUCTION OF ALKALI METAL CELLULOSE XANTHATE

William Richard Schmitz, Jr., Richmond, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application October 17, 1942, Serial No. 462,433
14 Claims. (Cl. 260—216)



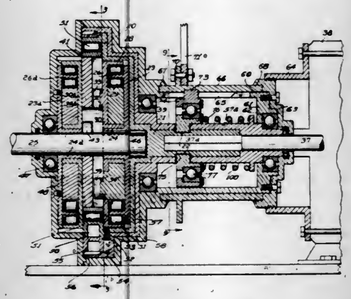
1. A process for the production of alkali metal cellulose xanthate which comprises mixing alkali metal cellulose in solid form with at least 4 times its weight of liquid carbon bisulfide to form a liquid slurry.

2,364,393

GEARLESS VARIABLE SPEED TRANSMISSION

Ferdinand W. Seeck, Lebanon, Oreg.

Application August 18, 1943, Serial No. 499,035
11 Claims. (Cl. 74—69)



1. In a gearless variable speed transmission, a pair of disc cranks, a second pair of disc cranks similar to said first mentioned disc cranks respectively, a clutch member cooperating with said first mentioned disc cranks, a second clutch member cooperating with said second pair of disc cranks, said clutch members and their respective disc cranks having cooperating engaging elements, an intermediate coupling member, one of said clutch members and its associated disc cranks located on one side of said coupling member and the other clutch member and its associated disc cranks located on the other side of said coupling member, means on said coupling member for engaging said first mentioned and second mentioned pairs of disc cranks respectively, and means for moving said coupling member into and out of axial alinement with said clutch members and said disc cranks to enable said coupling member to cause variation in the relative speed ratio between said clutch members.

2,364,394

PLASTICIZED RUBBER COMPOSITIONS AND METHOD OF PLASTICIZING RUBBER

Robert L. Sibley, Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application February 6, 1942,
Serial No. 429,794
10 Claims. (Cl. 260—761)

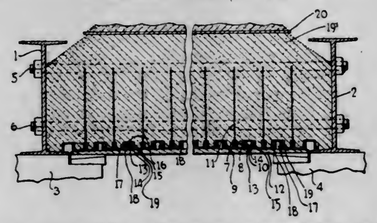
1. A composition comprising predominately a rubber and as a softener and plasticizer thereof a heat reaction product of a rubber and substantial proportions based on the rubber of an aryl phosphine halide having the halogen linked to the phosphorus and an aromatic condensed polynuclear compound.

2,364,395

GRANULAR SUPPORT

Alfred V. Sims, New York, N. Y.; Alfred William Sims executor of said Alfred Varley Sims, deceased

Application September 16, 1941, Serial No. 411,033
2 Claims. (Cl. 72—55)



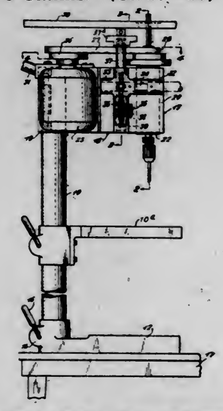
1. A supporting structure comprising lateral supports, an interposed body of sand or other non-coherent granular substance, an under support therefor and spaced apart plates embedded in the granular body, such plates being transverse of the line of stress in said granular body and secured to said under support, said under support having slack to permit relative movement of its parts to adapt itself to changing conditions.

2,364,396

COMBINATION MACHINE TOOL

George H. Stahler, Shaker Heights, Ohio

Application April 10, 1942, Serial No. 438,357
9 Claims. (Cl. 29—27)



4. In a device of the class described an elongated shaft member, a motor housing supported on one end of said shaft and having leg members connected thereto, an enlarged base member rotatably mounted on the other end of said shaft for supporting the shaft in a vertical position whereby said shaft may be shifted from a vertical position to a horizontal position, the said base member being rotated through 90° to cooperate with said leg members to support the shaft in a horizontal position, a power driven spindle mounted in said motor housing, and means carried by said housing for operatively supporting a work table in either of two positions 90° apart with respect to the axis of the spindle.

2,364,397

CABLE INSULATION SLITTING TOOL

Guy W. Staley, Robbinsdale, Minn.

Application February 11, 1944, Serial No. 521,990
6 Claims. (Cl. 30—91)



2. A cable insulation slitting tool comprising a body formed along its upper portion with a cable-receiving trough, a hand-hold at the front end of said body, a blade holder over said trough, and a blade carried by said holder for cutting a longitudinally extending slit through insulation of a cable as the body is drawn along the cable, said blade holder being movable toward and away from the body, and the blade holder having movement toward the rear end of the body as it moves toward the body.

2,364,398

PRODUCTION OF 2-MERCAPTO-THIAZOLINE

Halsey B. Stevenson, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application July 7, 1939,
Serial No. 283,179
13 Claims. (Cl. 260—302)

1. The method of making 2-mercapto-thiazoline which comprises heating a mixture of one mole of ethanol amine and at least 2 moles of carbon disulfide at a temperature of at least 50° C.

2,364,399

PRODUCTION OF 2-MERCAPTO-THIAZOLINE

Ira Williams, Borger, Tex., Bernard M. Sturgis, Pitman, N. J., and John J. Verbanc, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application July 7, 1939,
Serial No. 283,182
8 Claims. (Cl. 260—302)

1. The process of preparing 2-mercapto-thiazoline which comprises reacting ethanol amine with at least 2 molecular proportions of carbon disulfide in a closed vessel under superatmospheric pressures at temperatures in excess of 75° C.

2,364,400

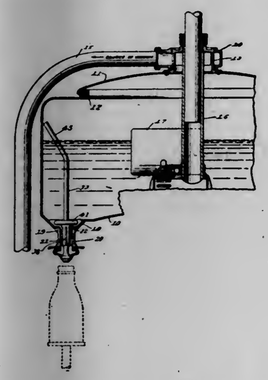
APPARATUS FOR FILLING

Robert J. Stewart and Henry H. Franz, Baltimore, Md., assignors to Crown Cork & Seal Company, Baltimore, Md., a corporation of New York

Application June 21, 1940, Serial No. 341,744
14 Claims. (Cl. 226—116)

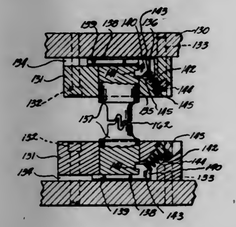
1. In a filling machine, a reservoir, means to maintain a body of liquid in the reservoir and

an uninterrupted low pressure condition above the surface of such liquid, a filling head communicating with the liquid containing portion of the reservoir, said filling head including a valve to control the flow of liquid from the reservoir, and a continuously open vent tube adapted to



communicate at its lower end with a container positioned beneath the filling head, the upper end of the tube being continually open to the upper portion of the reservoir, the bore of said vent tube including a restriction to prevent dripping.

2,364,401
INTERCHANGEABLE PUNCH AND DIE AND RETAINER FOR SAME
Domnic V. Stellin, Detroit, Mich.
Application March 6, 1944, Serial No. 525,233
6 Claims. (Cl. 164—118)

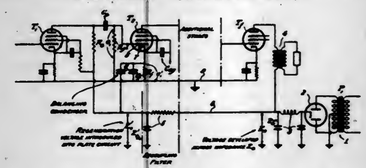


1. In a punch or die assembly, a plate, a retainer fastened thereto, said retainer having a keyway at said plate, a severing member received in said retainer and having a keyway registering with the first keyway, a key passed through both keyways and having a re-entrant portion extending into said severing member, and means for holding said portion in said member.

2,364,402
SOLDER FOR ALUMINUM WORKPIECES
Fred Strasser, Basel, Switzerland, assignor to Alexandre Clavel, Basel, Switzerland
No Drawing. Application June 17, 1942, Serial No. 447,449. In Switzerland October 2, 1941
2 Claims. (Cl. 75—134)

1. Solder for aluminum work pieces consisting of 30 to 45% tin, 35 to 50% cadmium and 10 to 20% silver.

2,364,403
REDUCTION OF LOW FREQUENCY REGENERATION AND HUM IN MULTISTAGE AUDIO AMPLIFIERS
Frederick E. Terman, Stanford University, Calif., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application February 10, 1942, Serial No. 430,202
6 Claims. (Cl. 179—171)



1. In a multi-stage audio frequency amplifier, an amplifier tube in each stage having a cathode and an anode, a path over which both the supply voltage and a voltage developed by amplified currents in the final stage are fed to the anode of the tube in the first stage, a cathode biasing resistor for the tube of the second stage, and means for developing across said resistor a voltage equal and opposite to said first mentioned voltage to balance the latter, said means including two condensers of predetermined value connected in series with one another between the two sides of said voltage feeding path, and a connection from the common junction point of said condensers and the cathode of said second stage tube.

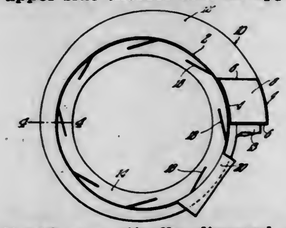
2,364,404
SCREEN MATERIAL
Harry W. Thomas, Miami Beach, Fla.
Application March 16, 1940, Serial No. 324,393
9 Claims. (Cl. 139—420)



1. A plain-weave open mesh window screen consisting essentially of intersecting warp and weft monofils of a synthetic linear polyamide condensation product, each monofil being elastic and resilient and having a series of regularly recurring obtuse crimps in alternately opposite directions forming a succession of oppositely directed troughs in the monofil, the individual crimps being permanent and fixed in position along the length of the individual monofil, the bases of the troughs of any monofil complementarily registering with and engaging with similar bases of troughs of the monofils with which it intersects, so that the monofils of the screen are elastically and resiliently yieldable to severe mesh-distorting forces without loss of crimp and are adapted to realign themselves into undistorted mesh-defining relationship after release of such mesh-distorting forces.

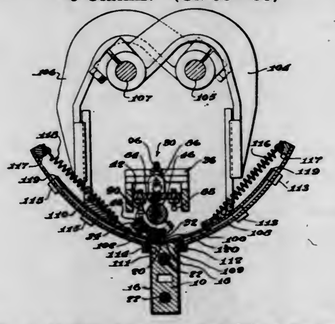
2,364,405
METHOD AND APPARATUS FOR SEPARATING FOREIGN MATTER FROM PAPERMAKING MATERIAL
Edward J. Trimbey and George K. Walker, Glens Falls, N. Y.; said Walker assignor to said Trimbey
Application January 23, 1940, Serial No. 315,257
10 Claims. (Cl. 92—28)

1. The combination in apparatus for separating foreign matter from liquid having in suspension paper-making fibers of a cylindrical vessel having upwardly extending vertical side walls and a lower inlet arranged and adapted to deliver a stream of liquid tangentially into the lower portion of the vessel at a distance downwardly from the upper side thereof and an upper outlet



for said liquid, a vertically disposed receiving chamber for liquid at a side of said vessel connected to said inlet, and a lower wall for said vessel arranged in the form of an inverted cone forming a settling chamber having a discharge substantially centrally thereof.

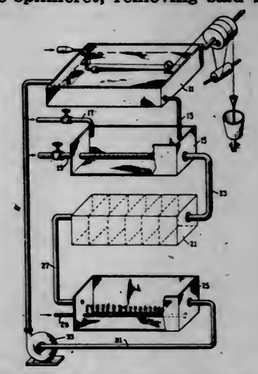
2,364,406
CARTON FORMING MACHINE
John G. Vergobbi, Quincy, Mass., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass., a corporation of Massachusetts
Application January 26, 1942, Serial No. 428,183
9 Claims. (Cl. 93—36)



1. In a carton forming machine, in combination, a forming block about which a lining sheet and carton forming material are successively wrapped to form a lined carton, a dual presser member cooperating with the block to press first a seam of the lining and then a seam of the carton, and means for operating said dual presser member to present one face thereof in operative position to press the lining seam and to present a different face thereof in operative position to press the carton seam while moving the first face to an inoperative position.

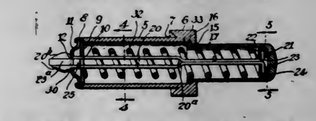
2,364,407
YARN PRODUCTION
Isaac F. Walker, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application May 22, 1941, Serial No. 394,617
16 Claims. (Cl. 18—54)

2. The process of spinning regenerated cellulose filaments which comprises extruding viscose through a spinneret into an acid bath comprising a bath liquid which contains heavy metal cations and anions which are capable of combining to form therein an insoluble metal salt and which bath liquid is subject to accumulation of said ions in an amount to exceed the solubility product of said ions to form said insoluble metal salt in the reaction zone at the face of the spinneret, removing said bath liquid



from said bath, increasing the said anion content of the bath liquid to form said insoluble metal salt, filtering said insoluble metal salt from said bath liquid, then removing said anions from said bath liquid, and then returning said bath liquid back into said bath.

2,364,408
SHEET METAL CLAMP
Frank C. Wallace, Los Angeles, Calif., assignor to Herman H. Helbush, Los Angeles, Calif.
Application April 9, 1943, Serial No. 482,413
3 Claims. (Cl. 85—5)

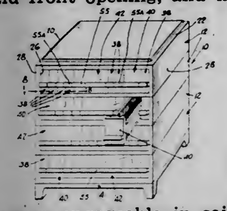


3. A sheet metal clamp comprising a body presenting a longitudinal bore having a reduced diameter inner end portion providing an inwardly facing shoulder, a ring in the outer end of the bore, a cup-shaped cap secured to the outer end of the body, said cap having an opening concentric with the ring, a plunger reciprocally mounted in the bore for protraction and retraction through said ring and opening, a spreader having a laterally projecting inner end portion mounted between the cap and ring and an outer plunger-engaging portion projecting outwardly through said opening, a coil spring in the body bearing at its outer end against the ring and bearing at its inner end against the plunger to normally urge the plunger retracted, and tool-operated means for protracting the plunger against the pressure of the spring, comprising a plunger-engaging member reciprocally mounted in and projecting from the inner end of the body, said member presenting a peripheral flange engageable against said first-named shoulder when the plunger is fully retracted.

2,364,409
CABINET
Edwin C. Weiskopf, New York, N. Y.
Application September 9, 1942, Serial No. 457,766
5 Claims. (Cl. 45—77)

5. A cabinet comprising a frame having a housing chamber provided with a front opening, said

chamber having a bottom support, means carried by said support and upstanding therefrom providing said support with a plurality of guideways extending in a direction running rearwardly from said front opening, said guideways being laterally spaced from each other at uniform distances, and a plurality of drawers mounted in said chamber for movement in said chamber and through said front opening, and means carried



by said drawers engageable in said guideways, respectively, for preventing substantial vertical movement of said drawers in said chamber, said drawers being of different widths and said means carried by a wider drawer comprising spaced parts positioned to engage in a plurality of said guideways in lieu of the engagement therein of said drawer-carried means of a plurality of narrower drawers.

2,364,410

HALOGENATED POLYTHENES

Donald Whittaker, Northwich, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application September 12, 1941, Serial No. 410,592. In Great Britain September 27, 1940

1 Claim. (Cl. 260—94)

Chlorinated polythene containing from 0.1 to 5.0% of sodium lactate.

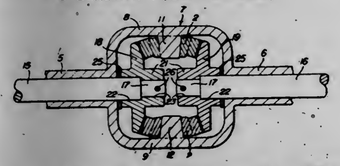
2,364,411

DIFFERENTIAL GEAR

Charles H. White, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois

Application January 21, 1943, Serial No. 473,136

6 Claims. (Cl. 74—311)



1. In an agricultural implement, differential mechanism comprising a means serving as an integral gear carrier open at its central portion and having inwardly directed opposed studs and aligned outwardly extending sleeves extending at right angles to a line connecting said studs, pinions adapted to be placed on said studs, a pair of bevel gears, each having a shaft-receiving hub, adapted to be meshed with said pinions, one at each side of the open central part of said carrier, the distance between the inner ends of said sleeves being sufficient to permit said gears to be rotated bodily about the axis of said studs so as to bring the hubs of said gears into line with said sleeves, and a pair of shafts adapted, respectively, to be inserted through said sleeves and into the hubs of said gears so as to hold the latter in position in said carrier.

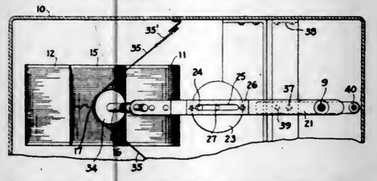
2,364,412

RECORDING APPARATUS

Otto Wittel, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application March 31, 1943, Serial No. 481,311

6 Claims. (Cl. 234—72)



4. A recording apparatus comprising in combination supporting means for a record receiving surface, a pointed stylus, means for supporting said stylus in an inclined relationship with said surface and normally holding it in contact therewith, whereby it is adapted to leave a trace on said surface as the result of relative movement between the two, means for moving said stylus through its supporting means relative to said surface in response to a variable condition which it is desired to record, and frictional driving means for automatically and continuously oscillating said stylus relative to its supporting means and the record receiving surface in response to its movement relative to said surface to maintain the stylus pointed, said last-mentioned means including a driven member carried by the stylus and a flexible driving member frictionally engaging the same and fixed to a stationary part of said apparatus, and which driving member due to its flexibility aids in normally holding the stylus in contact with the record receiving surface.

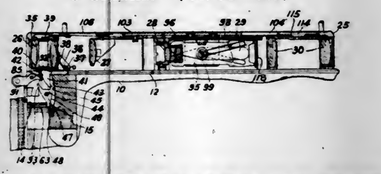
2,364,413

VARIABLE FIELD MECHANISM FOR VIEW FINDERS

Otto Wittel, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Original application July 19, 1941, Serial No. 403,202. Divided and this application March 31, 1943, Serial No. 481,312

9 Claims. (Cl. 88—1.5)



1. In a finder having a substantially rectangular casing defining a light conduit, two pairs of relatively narrow and individual field framing members extending in parallel and right angular relation transversely of the light conduit, an arm on each of said framing members extending substantially at right angles to the framing member with which it is associated and along two adjoining walls of said conduit, means for mounting said arms in said casing whereby each of the framing members is capable of individual movement toward and from the member parallel thereto, means for simultaneously moving each of said members toward or from the center of said conduit to vary the size of the field bounded by said members, said last mentioned means including a member movable longitudinally of the casing and accessible from the outside thereof and including a scale indicating the size of the field bounded by said framing members in terms of the focal length of a lens.

2,364,414

SULPHUR COMPOUNDS

Michael Henry Miller Arnold and William Eric Perry, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application January 12, 1943, Serial No. 472,162. In Great Britain July 25, 1941

12 Claims. (Cl. 167—20)

1. In a process for the production of mixtures containing sulphur nitride by reacting ammonia with one or more chlorides of sulphur dissolved in an organic liquid, the step of incorporating in the reaction mixture before commencement of the reaction sulphur nitride freed of ammonium chloride.

2,364,415

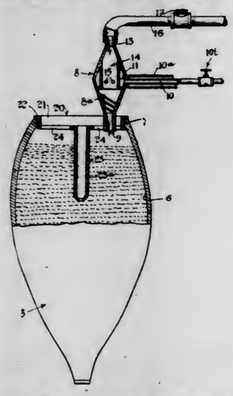
METHOD OF FILLING EXPLOSIVE DEVICES

Theodore E. Arnold, Mount Royal, Quebec, and Curzon Dobell, Montreal, Quebec, Canada, assignors, by mesne assignments, to The Preload Corporation, Boston, Mass., a corporation of Massachusetts

Application December 31, 1941, Serial No. 425,251

In Canada November 29, 1941

2 Claims. (Cl. 86—31)



1. The method of filling shell or other casings with explosive charges, which consists in continuously conducting two individual explosive components of the charge, both of which are solid at room temperature, in separate streams from distant sources of supply to the vicinity of the shell to be filled, and includes the steps of injecting under pressure a stream of fluid pressure carrying one of said explosive components in dry granular form in suspension therein through a passage into a mixing space located adjacent to the shell, projecting the other of said explosive components in the form of a heated liquid stream transversely and under pressure into the fluid-borne stream of granular component in the said mixing space, thereby effecting a turbulent action intimately combining the said components together into a hot homogeneous mixture, continuing the movement of said stream of compressed air and hot explosive mixture directly and forcibly from the mixing space and compactly into the casing to be filled, and solidifying the charge by cooling from the walls of the casing.

2,364,416

SEPARATION OF THIOPHENOLS FROM HYDROPHOBIC LIQUID MIXTURES

George W. Ayers, Jr., and Meyer S. Agruss, Chicago, and Richmond T. Bell, Deerfield, Ill., assignors to The Pure Oil Company, Chicago, Ill., a corporation of Ohio

No Drawing. Application June 21, 1941, Serial No. 399,228

6 Claims. (Cl. 260—609)

1. The process of separating substantially pure thiophenols from "acid oils" containing the same which are substantially free of alkyl mercaptans comprising contacting the "acid oils" with water-soluble salts of metals selected from the group consisting of mercury, lead and silver whereby to precipitate metal salts of thiophenols, separating said precipitated salts, dispersing the separated salts in a hydrocarbon liquid boiling below the boiling point of thiophenol, treating the dispersed salts with sufficient hydrogen sulfide to convert dispersed salts to an oily layer of substantially pure thiophenols dissolved in the hydrocarbon liquid and to precipitate metal sulfide and separating substantially pure thiophenols from the hydrocarbon liquid by fractionation.

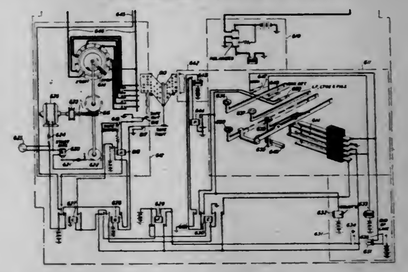
2,364,417

TELEGRAPH SYSTEM

Walter M. Bacon, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application August 26, 1942, Serial No. 456,145

11 Claims. (Cl. 178—17)



3. In combination, a keyboard perforator for recording message signals in a record medium, a signal transmitter controlled by signals recorded in a record medium, additional apparatus for recording non-message signals in said record medium, instrumentalities jointly responsive to the supply of record medium between said keyboard perforator and said transmitter and to a manually operable switch for initiating the operation of said additional apparatus, and equipment responsive to the recording of a predetermined number of non-message signals in said medium for interrupting the operation of said additional apparatus.

2,364,418

COOLANT CIRCULATING SYSTEM

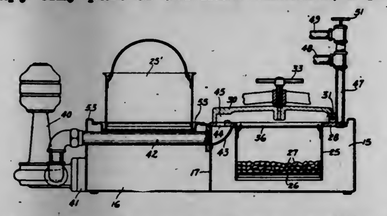
Paul F. Barker, Brighton, N. Y., assignor to Gleason Works, Rochester, N. Y., a corporation of New York

Application August 3, 1942, Serial No. 453,366

2 Claims. (Cl. 51—267)

1. In a grinding machine having a work support and a grinding wheel, a system for circulating coolant to the point of engagement of the wheel with the work comprising an enclosed sump, an enclosed filter chamber, an enclosed

filter unit in the form of a pail removably mounted in the filter chamber and having openings in one wall thereof which communicate with the filter chamber so that the coolant may flow from said unit into the chamber, said filter unit being of such dimension as to occupy only part of the filter chamber, a pump



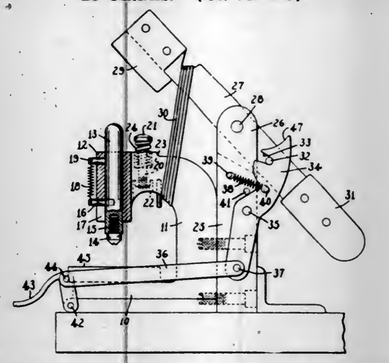
for pumping coolant out of the sump and through the filter unit into the filter chamber, and piping for conducting the coolant from the filter chamber to the point of engagement of the wheel with the work, and means for conducting the used coolant back to the sump for recirculation by the pump.

2,364,419
FENCE POST
Elza C. Barnes, Attica, Ind.
Continuation of application Serial No. 428,431, January 27, 1942. This application May 6, 1943, Serial No. 485,845
1 Claim. (Cl. 256—58)



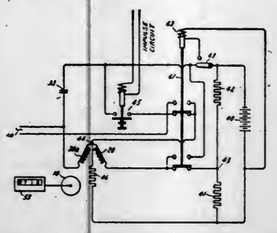
A metallic fence post for detachably carrying a wire fence comprising a substantially flat fence side face; a reinforcing rib extending longitudinally of the reverse side of the post and substantially centrally thereof to form a T iron; said post having a plurality of substantially rectangular notches therethrough, spaced apart along, and open from the vertical edges of said flat face, and positioned in pairs, one notch opposite the other in horizontal alignment as to top and bottom margins; and a substantially rectangular metal tongue extending diagonally upwardly and outwardly in fixed position from said flat face from the lower marginal edge of each of the said notches along one of said post edges; and a like tongue extending diagonally downwardly and outwardly in fixed position from said flat face from the upper marginal edge of each of the said notches along the other edge of said post; said notches and said tongue being so dimensioned that a line wire of said fence may bear against said flat face and may rest over and be in sliding contact with an upturned tongue at one side of the post and under and in sliding contact with a downturned tongue on the other side of the post, a post marginal edge opening being provided by said notches under each of said tongues.

2,364,420
RIVETING OR STAKING MACHINE
Herman Bloss, Shelton, Conn.
Application March 23, 1944, Serial No. 527,768
15 Claims. (Cl. 78—48)



1. A machine of the class described, comprising a reciprocably mounted tool holder, a hammer adapted to strike said tool holder upon its descent, a pivotally-mounted arm carrying said hammer, a movable latch member adapted to engage a part of said arm and hold the hammer in elevated position, spring means to urge said latch member toward engaging position, said member having a cam-shaped surface to be engaged and moved by said part on the arm when the hammer is raised, and means for actuating the latch member to effect disengagement thereof from said part.

2,364,421
IMPULSE COUNTER MOTOR
Henry W. Bousman, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application February 19, 1944, Serial No. 523,078
6 Claims. (Cl. 172—278)



5. The method of operating a split phase condenser motor from a direct current source which consists in charging a condenser through the condenser winding from said source and simultaneously energizing the other winding from said source in one direction, and then discharging the condenser through the condenser winding and simultaneously reversing the direction in which said other winding is energized from said source.

2,364,422
PROCESS FOR THE PRODUCTION OF NITRILES
Benjamin T. Brooks, Old Greenwich, Conn., assignor to Standard Alcohol Company, a corporation of Delaware
No Drawing. Application December 31, 1941, Serial No. 425,233
10 Claims. (Cl. 260—464)

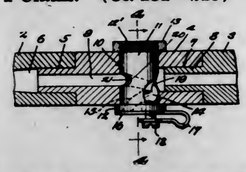
1. A process for the production of alkenoic nitrile of at least 5 carbon atoms which comprises reacting a tertiary alkyl epoxide with hydrocyanic acid to yield a cyanohydrin and dehydrating the cyanohydrin.

2,364,423
COMBINED PUNCHING AND FIXING DEVICE FOR SAW BLADES IN SAW FRAMES
Bror Johan Brunzell, Viksjofors, Sweden
Application September 23, 1943, Serial No. 503,563
In Sweden February 26, 1942
1 Claim. (Cl. 164—119)



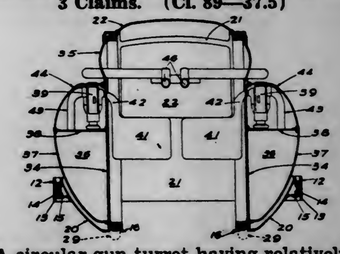
A combined punching and fixing device for sawblades in saw frames, said device consisting of three superimposed oblong plates which at one end are fixed to one another and provided with a through-hole, while their other free ends are somewhat separated from one another due to the elasticity of the outer plates, one of the outer plates being at its free end provided with a punch adapted to freely traverse a hole in the middle plate and partly project into a similar hole in the other outer plate, the fixing device being adapted to be used as hole punching device for the sawblade as well as connecting member between the sawblade and the saw frame.

2,364,424
TOBACCO PIPE
Charles J. Burch, Brazil, Ind.
Application February 24, 1943, Serial No. 476,937
1 Claim. (Cl. 131—215)



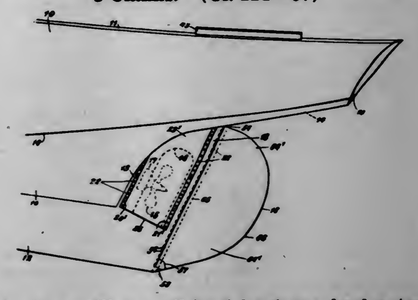
As an article of manufacture an attachment for insertion between the stem and mouthpiece of a tobacco pipe, comprising a tubular element having a nipple at one end, there being a longitudinal bore extending through the said element and counterbored at the other end, and there being also a diametrical opening extending through said element and intersecting the longitudinal bore, a removable plug rotatably mounted in the diametrical opening having a continuous tortuous passage extending through the plug and inclined downwardly from the level of the longitudinal bore to a point adjacent to the bottom of the counterbore comprising a groove in the surface of the plug extending partly therearound and starting from that portion of the opening which is adjacent the upper side of the longitudinal bore, and another groove extending partly therearound and downwardly from the lower end of the opening, said latter groove having communication with the first groove and merging into a passage extended downwardly within the plug, a valve normally closing the lower end of the latter passage, said latter passage and valve constituting a trap, and means engaging the plug for holding it against free rotation within the tubular element.

2,364,425
GUN TURRET
Alfred Corte, Glendale, Calif., assignor, by mesne assignments, to Lockheed Aircraft Corporation, a corporation of California
Application October 21, 1940, Serial No. 362,067
3 Claims. (Cl. 89—37.5)



1. A circular gun turret having relatively movable components arranged for traversing and elevating movements, comprising a central segment, a peripheral bearing supporting said segment for rotation about a vertical axis, spaced vertical bearing rings supported by said peripheral bearing and defining the sides of said segment, a closure extending between the upper parts of said rings, said closure and said rings forming a gunner's cockpit, skirts covering the spaces between the peripheral bearing and the vertical rings below the level of the former, whereby to stiffen and support the latter, bearings supported in said bearing rings for rotation about a horizontal axis, and side closures in the planes of and carried by said bearings, said side closures being adapted to each support a gun and means adapted to rotate said side closures in synchronization for elevating the guns.

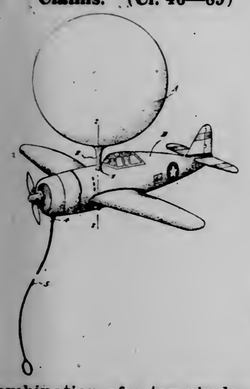
2,364,426
BOAT WITH MEANS FOR ENCLOSING THE PROPELLER WHEN NOT IN USE
Dybwad Danielsen, Buffalo, N. Y.
Application May 28, 1940, Serial No. 337,609
3 Claims. (Cl. 114—67)



1. An auxiliary sail boat having a keel extension provided with a propeller opening and having a stern timber provided with a pair of longitudinal slits whose outer faces are in alignment with the outer faces of said keel extension; a propeller arranged in said opening; a pair of guide bars on each side of said keel extension in

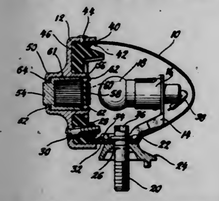
proximity to the sides of the opening thereof; a pair of sheet metal wells arranged in alignment with said slits and each having a longitudinal bulge and also a flange at its lower end for attachment to the upper face of the stern timber; a brace tongue on each flange projecting into the bulge of its companion well; a detachable thrust block arranged in the upper end of each well; a covering plate arranged in each well and engaging with its companion pair of guide bars; a cleat on each covering plate arranged in the bulge of its companion well; and a screw also arranged in the bulge of each of its companion wells and journaled at its opposite ends in its companion thrust block and brace tongue and intermediately threaded thru its companion cleat.

2,364,427
TOY AIRPLANE
James D. Davidson, Dayville, Oreg.
Application September 25, 1943, Serial No. 503,805
2 Claims. (Cl. 46—89)



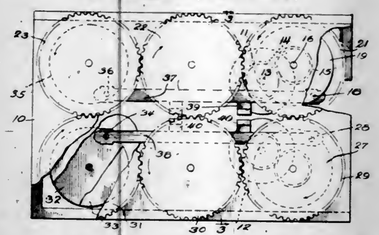
1. The combination of a toy airplane comprising a body in simulation of an airplane fuselage and having an opening therethrough at substantially its center of balance, a balloon for sustaining the body including a neck of a length to extend through the opening of the body, and means carried by the free end portion of the neck below and engaging against the body to prevent the neck being pulled up through the opening.

2,364,428
SIGNAL LAMP
John H. Diedring, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application November 13, 1941, Serial No. 418,897
2 Claims. (Cl. 177—329)



1. In combination, a lamp housing having an open front end, a light source within said housing, a cover plate adapted to be detachably secured to the open end of said housing, said cover plate being provided with a centrally located passage therethrough extending along the longitudinal axis of said lamp housing and constituted by walls integral with said plate extending substantially at right angles to the plane thereof, a lens mounted within said passage adjacent the front end thereof, a light screen mounted within said passage adjacent the rear end thereof, and an integral extension on said lens adapted to contact said screen to maintain said lens and screen in longitudinally spaced position therein.

2,364,429
MECHANICAL MOVEMENT
Edward G. Dougherty, Fairhope, Ala.
Application October 8, 1942, Serial No. 461,319
13 Claims. (Cl. 74—25)



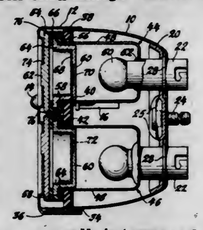
1. A mechanical movement comprising a plurality of circular elements rotatable in a common plane, means for rotating the circular elements of a pair of said elements oppositely to those of another adjacent pair, and a link for each of said pairs, the links lying in a common plane other than the first-mentioned plane and being so connected to one another as to alternately approach each other and recede from one another as said circular elements are rotated.

2,364,430
ALKYLATION PROCESS EMPLOYING HYDROGEN
Carleton Ellis, Montclair, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application July 16, 1940, Serial No. 345,855
8 Claims. (Cl. 260—683.4)

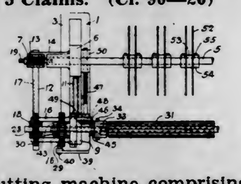
1. A process which comprises subjecting a gaseous mixture consisting of a major proportion of a normally gaseous paraffin hydrocarbon and a minor proportion of a normally gaseous olefin hydrocarbon and a lesser proportion of molecular hydrogen than either proportion of the paraffin and olefin to the action of a solid dehydrogenating catalyst, said catalyst being essentially the only catalytic agent employed, at a temperature not less than 200° C. and not exceeding 500° C., and maintaining the pressure at greater than atmospheric during said operation.

2,364,431
SIGNAL LAMP
Robert N. Falge, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application November 13, 1941, Serial No. 418,895
1 Claim. (Cl. 177—329)

In a signal lamp, a casing having an open front end, a unit adapted to be mounted within said casing, said unit including a substantially tubular compartment, a light bulb in said compartment adjacent the rear end thereof and a light screen and lens mounted within the front end of said compartment, said screen being provided with a peripheral flange clamped between said lens and said compartment and extending rearwardly from said flange within said compartment with a rear wall interposed between said lens and light bulb and longitudinally spaced therefrom and provided with a light transmitting opening, and means to detachably secure said unit within said casing with a portion of said lens exposed at the front end of the casing.



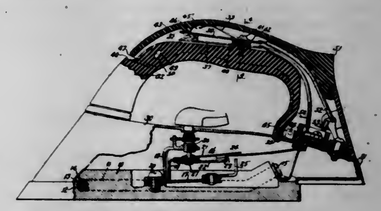
2,364,432
FIN-CUTTING MACHINE
George B. Farkas, Jackson Heights, and Addison Y. Gunter, Larchmont, N. Y., assignors to American Locomotive Company, New York, N. Y., a corporation of New York
Application April 22, 1943, Serial No. 484,028
5 Claims. (Cl. 90—20)



1. A fin-cutting machine comprising two longitudinally spaced end members; a rotary shaft journalled in said members; blocks supported by said members for inward transverse movement toward said shaft, having aligned bearings transversely spaced from said shaft; a rotary shaft parallel to said first mentioned shaft journalled in said bearings for movement with said blocks, one of said shafts being adapted to be power driven; a longitudinal row of spaced cutting discs secured on one of said shafts, the other of said shafts being adapted for supporting thereon a fin-tube having a circumferential row of spaced external longitudinal strips adapted to be cut into circumferential rows of longitudinal fins; a drive connecting said power-driven shaft with the other of said shafts for rotating said other shaft from said power-driven shaft, said drive permitting said transverse movement simultaneously with rotation of said shafts, whereby said strips and said discs may be brought into strip-cutting engagement to form said fins; and another drive including a shaft geared to one of said parallel shafts for effecting said transverse movement.

2,364,433
SAFETY SWITCHING ARRANGEMENT FOR ELECTRICALLY HEATED DEVICES
Frank E. Finlayson, Ontario, Calif., assignor to General Electric Company, a corporation of New York
Application July 29, 1941, Serial No. 404,451
8 Claims. (Cl. 219—25)

1. A safety control system for an electric heating device having a heating element, a circuit for energizing said heating element and an operating handle adapted to be grasped by an operator when said device is being used, said system comprising a thermostatic switch responsive to the temperature of said heating element for controlling said circuit, said thermostatic switch having a high temperature position and a low temperature position, a normally open safety switch connected in series with said circuit, a manually operated member for effecting closure of said safety switch to render said thermostatic switch effective for controlling said circuit, said manually



operable member being arranged to be actuated by the operator when said handle is grasped, means dependent on the flow of current in said circuit when said thermostatic switch is in the low temperature position for maintaining said safety switch closed after said manually operated member is released, said last mentioned means becoming ineffective when said thermostat moves to the high temperature position whereby said safety switch opens precluding further control of said circuit by said thermostatic switch until said safety switch is again manually closed by the operator.

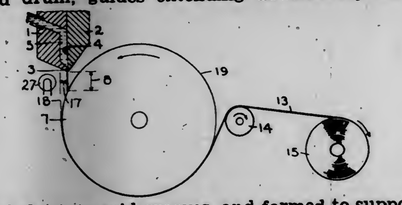
2,364,434
DRILLING FLUID
James L. Foster, Houston, Tex., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application August 19, 1940, Serial No. 353,245
6 Claims. (Cl. 252—8.5)

1. A method for controlling water loss by filtration, as well as the viscosity, of a drilling fluid having a brine base, which comprises adding to the drilling fluid a small amount by weight of gelatinized starch effective to reduce substantially the water loss by filtration from the drilling fluid and a natural gum capable of dispersion in water, the combined quantity of starch and gum being sufficient to maintain water loss from said drilling fluid by filtration at a desirably low level and the amount of gum being sufficient to maintain the viscosity of the resultant drilling fluid substantially above that which would obtain if the level of water loss by filtration were maintained at the selected level by the effect of starch alone.

2,364,435
MANUFACTURE OF FILMS
Henry D. Foster, Wilmington, Del., and Arthur W. Larchar, Mendenhall, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application November 4, 1941, Serial No. 417,864
11 Claims. (Cl. 18—15)

1. Apparatus for forming films by extrusion of molten polymer, said apparatus comprising a rotatable drum having spaced peripheral grooves cut in the film-casting surface thereof, a hopper

provided with an extrusion slot positioned above said drum, guides extending downwardly from

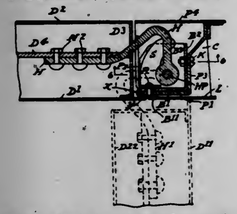


said slot into said grooves, and formed to support the extruded molten film during its passage from the extrusion slot to the surface of the drum.

2,364,436
INSULATION FOR MAGNETIC STEEL AND THE LIKE
Wayne R. Frisch, Pittsfield, and Charles W. Crew, Dalton, Mass., assignors to General Electric Company, a corporation of New York
No Drawing. Application July 7, 1943, Serial No. 493,760
3 Claims. (Cl. 117—127)

3. Magnetic sheet like material having a coating consisting of about 45 to 55% bentonite, about 38 to 49% vermiculite and at least 1% of magnesium oxide.

2,364,437
CONCEALED HINGE
Otto C. Gessler, Detroit, Mich.
Application February 23, 1942, Serial No. 431,941
6 Claims. (Cl. 16—135)

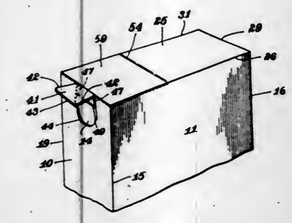


3. A hinge bracket for attachment upon a door frame member of angle section having angularly disposed walls, said hinge bracket comprising an angle shaped member having angularly disposed plate-like portions adapted to conform to the shape of the support and secured to said angular walls, inwardly directed wing extensions on the side edges of the plate-like portions of the angle bracket arranged in contacting overlapping relation forming spaced apart sets of wing extensions adapted to receive a hinge strap therebetween, and a hinge strap pivotally supported between said sets of wing extensions for free swinging movement therebetween.

2,364,438
PREPARATION OF ORGANIC ESTERS
William F. Gresham, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 26, 1941, Serial No. 404,158
5 Claims. (Cl. 260—484)

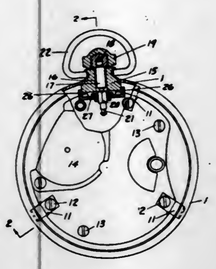
1. A process of preparing an alkyl ester which comprises reacting a cyclic formal with carbon monoxide in the presence of an acidic catalyst and subsequently esterifying the product.

2,364,439
RECLOSING CARTON
Reynolds Guyer, St. Paul, Minn., assignor to Waldorf Paper Products Company, St. Paul, Minn., a corporation of Minnesota
Application July 15, 1943, Serial No. 494,789
9 Claims. (Cl. 229—17)



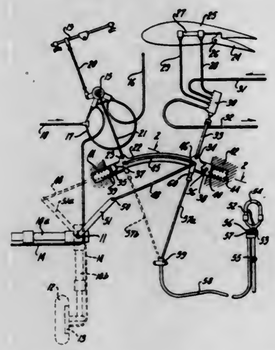
1. A carton comprising rectangularly arranged walls and end closure walls therefor, one of said walls having a portion thereof of double thickness, a locking tab formed adjacent one edge of the outer lamination of said wall and integral with an adjacent wall of said carton, and notch means in the inner lamination of said wall in registry with the notch formed in the outer lamination when said locking tab is disconnected from said outer lamination and shoulders on opposed walls of said notch in said inner lamination.

2,364,440
WATCH
Albert J. Hasselman, La Salle, and Elmer H. Beiser, Peru, Ill., assignors to General Time Instruments Corporation, New York, N. Y., a corporation of Delaware
Application October 4, 1943, Serial No. 504,870
5 Claims. (Cl. 58—88)



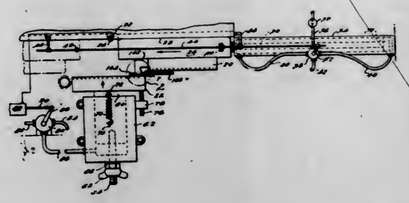
4. In a watch, a case comprising a center band member having inwardly extending flanges at each side thereof forming the edge surfaces surrounding front and back openings, a pendant head secured to said center band member having a portion projecting within the case, a crystal and a movement unit inserted through said back opening, means on said movement unit for embracing the projecting portion of said pendant head to properly locate said movement unit in said case, and a plurality of clips on said movement unit adapted to grip the inner surface of said center band member to securely hold said movement unit and crystal in position with said crystal clamped between said movement unit and the edge surface of said front opening.

2,364,441
CONTROL FOR AIRCRAFT
Howarth Padgett Henry, Leamington Spa, England, assignor to Automotive Products Company Limited, Leamington Spa, England
Application March 14, 1944, Serial No. 526,358
In Great Britain October 1, 1942
12 Claims. (Cl. 244—111)



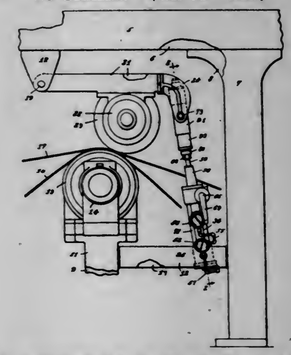
2. For an aircraft having dive brakes and a retractable undercarriage with wheel brakes, a common control system comprising a common mechanical actuating device, a system for applying the wheel brakes of the undercarriage, a system for operating the dive brakes, and a selector device actuated by movement of the undercarriage (or by control means bringing about undercarriage movement) so as to connect the mechanical actuating device operatively with the wheel brake system when the undercarriage is lowered and with the dive brake system when the undercarriage is raised.

2,364,442
METHOD OF ROLLING THREADS
Joseph H. Hoern, Birmingham, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application June 4, 1943, Serial No. 489,639
13 Claims. (Cl. 80—61)



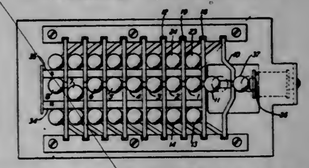
1. In the rolling of threads on a substantially cylindrical workpiece between substantially flat dies having operating surfaces grooved in sectionally complementary relation to the threads desired to be formed on the workpiece, the steps of locating said dies laterally from one another by a distance greater than that required to form the completed thread on the workpiece but less than the diameter of the blank, moving said dies longitudinally with respect to each other and introducing said workpiece therebetween while in said laterally located condition, continuing said longitudinal movement of said dies with respect to each other while they are in said laterally located condition until a continuous but incompletely formed thread has been formed on said workpiece, and then moving one die toward the other thereof to reduce the lateral spacing of said dies with respect to each other and continuing said longitudinal movement between said dies.

2,364,443
ROLL ACTUATING MECHANISM
Lloyd Hornbostel, Beloit, Wis., assignor to Beloit Iron Works, Beloit, Wis., a corporation of Wisconsin
Application November 7, 1940, Serial No. 364,642
10 Claims. (Cl. 73—141)



1. The combination in a machine of the character described of a stationary roll and a movable roll positioned for the passage of a fibrous sheet therebetween, a movable supporting member at each end of said movable roll for supporting said movable roll for movement toward and away from said stationary roll, a link structure for each of said supporting members, each of said link structures having a portion pivotally connected to one of said movable supporting members and another portion pivotally connected to a stationary supporting member, each of said link structures comprising a rigid force transmitting member, a resilient force transmitting element connected between said rigid member and one of said pivotal connections, a closed fluid pressure transmitting member connected between said rigid member and one of said pivotal connections and means carried by said link structure for varying the length of said rigid member whereby the pressure between said rolls can be varied and the pressure of said fluid varies with the pressure between said rolls.

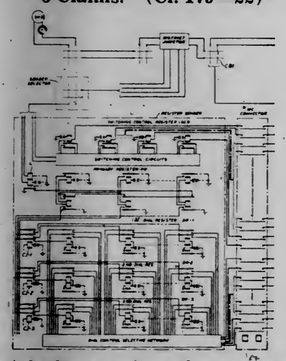
2,364,444
TIMING MECHANISM
Francis A. Hubbard, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 26, 1941, Serial No. 420,495
7 Claims. (Cl. 161—1)



1. Timing means comprising a source of pulsating current, a series of devices having two

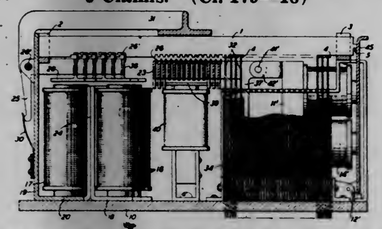
positions of rest, means under the control of said pulsating current to move the first of said devices between said positions of rest, means to simultaneously associate said moving means and said source and to start a timed operation, means effective with each of said devices in one of said positions of rest to move the next device in said series into said one position and means effective when a predetermined device has been moved into said one position to terminate said timed operation.

2,364,445
TELEPHONE SYSTEM
Francis A. Hubbard, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 30, 1943, Serial No. 516,261
6 Claims. (Cl. 179—22)



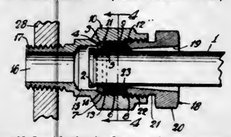
1. In a telephone system, the combination with a plurality of groups of trunks, of a first register, a second register and a marker, said marker comprising a card translator having a card for each one of said groups of trunks and means settable by said first register to select a card, means responsive to the selection of said card for setting said second register and other means locally controlled by said selected card for selecting the one group of trunks in said plurality of groups of trunks which is designated by said card.

2,364,446
CARD TRANSLATOR
Francis A. Hubbard, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 18, 1944, Serial No. 518,693
9 Claims. (Cl. 179—18)



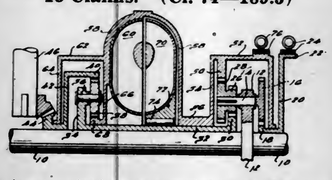
1. A translating device comprising a plurality of cards arranged in a stack, each of said cards being indented with a first group of two kinds of notches arranged in permutation to designate the card and with a second group of two other kinds of notches to record an item of information thereon, means controlled by the notches in said first group on all of said cards for selecting one of said cards, and means controlled by the notches in said second group on all of said cards for indicating the item of information recorded in said selected card.

2,364,447
PRESSURE JOINT FOR TUBES
Dibrell P. Hynes, Chicago, Ill., assignor to Chicago Forging & Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application January 2, 1943, Serial No. 471,102
5 Claims. (Cl. 285—90)



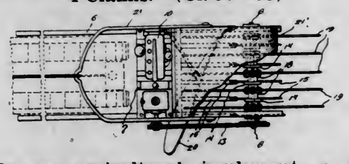
1. In a flexible joint for pipes and the like, a socket element having an elongated bore, a pipe extending into the bore of the socket element, a socket closing element having a bore surrounding the pipe and out of contact with the pipe at all normal positions of the pipe within a predetermined arc of flexure of the pipe in relation to the socket element, a flexible distortable packing surrounding the end of the pipe and located within the bore of the socket member, the socket closing element having an end face opposed to one end of said packing, means for imparting relative movement to the socket and the socket closing element and for thereby putting said packing under sufficient compression to cause it substantially entirely to fill a space defined by the bore of the socket member, the pipe itself and the end of the socket closing element and a bearing ring movably opposed to an inner end of the bore of the socket element and surrounding the pipe and adapted to form an end closure for the chamber which surrounds the packing, the packing when under pressure, being adapted to penetrate between the bearing ring and the pipe and to provide a cushion therebetween.

2,364,448
TURBOTRANSMISSION
Joseph Jandasek, Detroit, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application June 13, 1942, Serial No. 446,984
15 Claims. (Cl. 74—189.5)



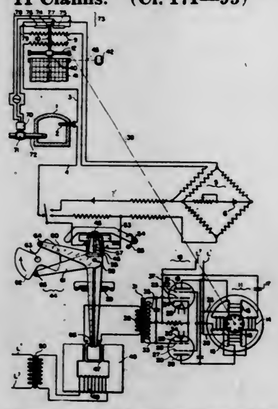
1. A transmission comprising a driving shaft, axially spaced groups of planet pinions operably connected to the driving shaft, axially spaced ring and sun gears operably connected to said planet pinions, auxiliary planet pinions spaced from said first named planet pinions, two path driving means between said ring and sun gears and said last named planet pinions, driving means between the last named planet pinions and the driven shaft, a regenerative turbounit interposed between said planet pinions comprising spaced impeller and turbine members cooperating to form a power transmitting fluid circuit interposed between said planet pinions and driven by one of said paths of power flow, and one-way driving means between the turbine and the other of said paths of power flow.

2,364,449
AGRICULTURAL IMPLEMENT
John L. Jones, Fairview, W. Va.
Application October 18, 1943, Serial No. 506,729
4 Claims. (Cl. 97—35)



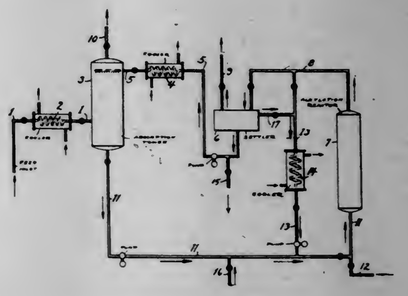
1. In an agricultural implement, a frame mountable and a tractor with a portion thereof arranged in advance of said tractor, a shaft journaled on said portion of the frame, rotary cutters secured to said shaft, power means carried by the frame for driving said cutters, a group of spaced parallel soil working elements carried by the frame and cooperating with the cutters in working the soil in cutting growth therefrom, and a mold board for furrowing the soil and growth acted on by said cutters and elements and secured to one of the end elements of the group and curving in the direction of and beyond the other end element.

2,364,450
MEASURING AND CONTROL APPARATUS
Earl A. Keeler, Norristown, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 13, 1941, Serial No. 383,150
11 Claims. (Cl. 171—95)



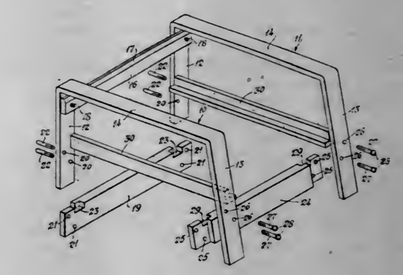
1. In measuring apparatus comprising a balanceable network, a galvanometer in a branch of said network, and an impedance in said network adapted to be adjusted to rebalance said network upon unbalance thereof, the combination with said galvanometer of means adapted to be adjusted for deriving from an original source of alternating current an alternating electromotive force of one phase or of opposite phase, means to control the adjustment of said impedance by said derived alternating electromotive force, and mechanical relay means controlled by said galvanometer to adjust said deriving means.

2,364,451
CHEMICAL PROCESS
Henry F. Kohler, Baytown, Tex., assignor to Standard Oil Development Company, a corporation of Delaware
Application December 11, 1941, Serial No. 422,490
13 Claims. (Cl. 260—683.4)



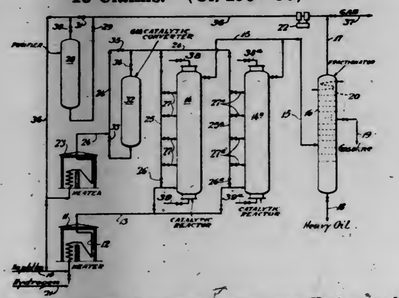
1. A process for the preparation of mono-alkyl sulfates suitable for subsequent alkylation with isoparaffins comprising contacting olefins with concentrated sulfuric acid, the molal ratio of which is from 25–200 mols per mol of olefin.

2,364,452
KNOCKDOWN EASY CHAIR
Ferdinand Kramer, Port Chester, N. Y., assignor to Allied Purchasing Corporation, New York, N. Y., a corporation of New York, Fred V. Gerstel, New York, N. Y., Paul M. Mazur, New York, N. Y., and himself
Application July 17, 1943, Serial No. 495,105
5 Claims. (Cl. 155—116)



1. An easy chair comprising a pair of angular supports, two of the sections of said supports constituting the legs of the chair and the intermediate section constituting an arm rest, a pair of cross-rails, one of which connects the rear leg sections and the other the front leg sections of said supports, each of said cross-rails being recessed at points near their connection to said leg sections, a pair of L-shaped slide rails fitted between the front and rear sections of said supports and frictionally positioned within the recesses of said cross-rails, and a seat frame positioned for sliding movement upon said slide rails.

2,364,453
PROCESSING HYDROCARBON DISTILLATES
Edwin T. Layng, Jersey City, N. J., and Vanderveer Voorhees, Hammond, Ind., assignors of one-half to Standard Oil Company, a corporation of Indiana, and one-half to The M. W. Kellogg Company, a corporation of Delaware
Application September 13, 1939, Serial No. 294,789
13 Claims. (Cl. 196—50)



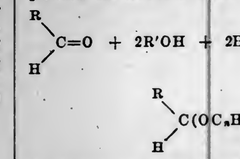
3. The process of aromatizing paraffinic naphtha which comprises vaporizing and heating said naphtha to a high conversion temperature, contacting said naphtha vapor concurrently with a stream of moving dehydrocyclization catalyst in an elongated reaction zone, withdrawing the catalyst and vaporous products from said reaction zone, cooling and separating said vaporous products into an aromatic motor fuel fraction and a hydrogen-containing gaseous fraction, heating said hydrogen-containing gaseous fraction to an elevated temperature above the temperature of the reaction zone and introducing said heated gases into said reaction zone at a plurality of successive points in the direction of catalyst movement therein whereby the concentration of hydrogen in said reaction zone is progressively increased as the catalyst activity decreases.

2,364,454
CONDENSATION PRODUCTS AND METHODS OF PREPARING AND USING SAME
Eugene Lieber, West New Brighton, Staten Island, N. Y., and Harry T. Rice, Roselle, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application October 28, 1941, Serial No. 416,826
11 Claims. (Cl. 252—52)

1. The process which comprises halogenating a material consisting substantially entirely of abietic acid and condensing the resultant halogenated abietic acid with a condensible aromatic compound selected from the group consisting of aromatic hydrocarbons and oxygen and nitrogen derivatives thereof, in the presence of a Friedel-Crafts catalyst, hydrolyzing and removing the catalyst, and distilling the condensation products to obtain a substantially non-volatible distillation residue having pour-depressing properties.

2,364,455
PREPARATION OF ACETALS
Donald J. Loder, William F. Gresham, and Donald B. Killian, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 28, 1940, Serial No. 326,427
5 Claims. (Cl. 260—484)

1. A process for the preparation of an acetal which comprises heating an aldehyde and an alcohol with a hydroxy-substituted organic compound in accord with the equation:

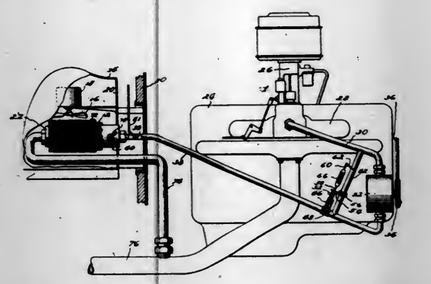


in which R is a radical selected from the group consisting of hydrogen and hydrocarbon radicals, R′ is a hydrocarbon radical and n is an integer.

2,364,456
PROCESS FOR PREPARING DYESTUFFS OF THE ANTHRAQUINONE SERIES
Ralph N. Lulek, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 16, 1942, Serial No. 469,221
3 Claims. (Cl. 260—316)

1. In the process of fusing a compound of the class consisting of alpha-tetranthrimide and alpha-pentanthrimide with aluminum chloride to produce the corresponding anthrimide-carbazole, the steps which comprise intimately mixing the anthrimide with from 2 to 4 parts of aluminum chloride and an amount of alkali metal chloride equal to from 10% to 50% of the weight of aluminum chloride employed, and heating the resulting mixture in a thin layer of approximately 0.25 to 0.5 inch in depth to form a fluid melt, and removing the fluid melt from the heating zone substantially as rapidly as it is fused into the fluid melt, the layer during the reaction period being kept sufficiently thin that excessive temperatures due to the heat of reaction are not attained.

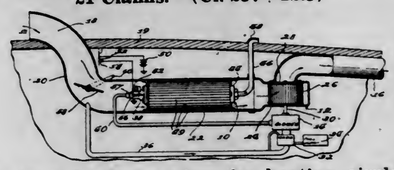
2,364,457
HEATING SYSTEM
Henry J. De N. McCollum, Chicago, Ill.
Application February 3, 1941, Serial No. 377,183
5 Claims. (Cl. 237—12.3)



1. In a heating system for use in conjunction with an internal combustion engine having a carburetor for mixing fuel and air to form a combustible mixture, the combination of an internal combustion heating unit, a positive displacement pump having an inlet and an outlet, means for actuating said pump, means forming a passage for supplying combustible mixture from said carburetor to said inlet, means forming a passage for supplying combustible mixture from said outlet to said heater, a by-pass conduit affording communication between said inlet and said outlet,

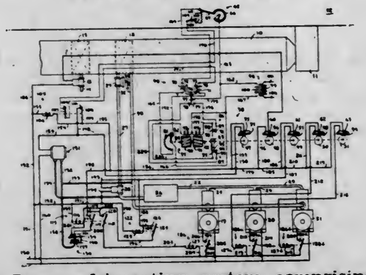
a valve therein for controlling the rate of flow therethrough, means responsive to the pressure at the outlet of said pump to operate said valve, and means for conducting the products of combustion from said heating unit.

2,364,458
HEATING SYSTEM
Henry J. De N. McCollum, Chicago, Ill.
Application October 3, 1941, Serial No. 413,463
21 Claims. (Cl. 237—12.3)



1. In a heating system for heating airplanes and the like, the combination of an internal combustion heating unit for burning a combustible mixture of fuel and air, an air turbine, conduit means for conducting air past said heating unit and through said turbine to a space to be heated so that the current of air past said heating unit operates said turbine, a carbureting device for mixing fuel and air to form a combustible mixture, and means including a blower driven by said air turbine for supplying combustible mixture from said carbureting device to said heating unit.

2,364,459
CONTROL OF REFRIGERATION APPARATUS
William L. McGrath, Philadelphia, Pa., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application October 25, 1941, Serial No. 416,530
16 Claims. (Cl. 62—4)

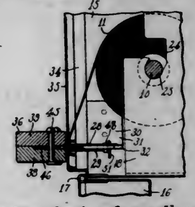


15. In a refrigerating system comprising, in combination, a refrigerant translating device, a condenser, evaporator means, said translating device, when operating, causing refrigerant flow through said condenser to said evaporator means, suction means connecting the outlet of said evaporator means to the inlet of said translating device, means responsive to a condition of a medium being treated by said evaporator means for starting the translating device, valve means controlling the flow of refrigerant from said condenser to said evaporator means, said valve means being capable of stopping all flow from said condenser, said condition responsive means being arranged to control said valve means to stop all refrigerant flow from said condenser upon the condition responsive means becoming satisfied, and means responsive to suction pressure arranged to cause continued operation of the translating device after said condition responsive means is satisfied until a predetermined suction pressure is reached.

2,364,460
COATING SYSTEM FOR PROTECTING SURFACES AGAINST MARINE GROWTH
George B. McLean, San Pedro, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application September 24, 1940, Serial No. 358,146
6 Claims. (Cl. 117—92)

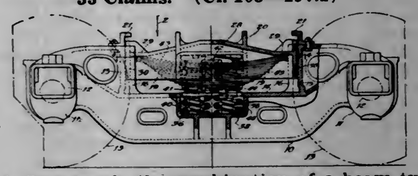
1. A method for protecting underwater metal surfaces against marine growth which comprises first coating said surface with asphaltic material, allowing said asphaltic material to harden to its normal hardness, and subsequently applying a coating of antifouling paint over said coating of asphaltic material in which the asphaltic material is an asphalt having a melting point of 90 to 300° F. and a penetration of 2 to 200 at 77° F.

2,364,461
ADHESIVE TAPE DISPENSING DEVICE
Paul S. Madsen, Bethany, Conn., assignor to The Seamless Rubber Company, New Haven, Conn., a corporation of Connecticut
Application June 5, 1941, Serial No. 396,652
10 Claims. (Cl. 242—55.5)



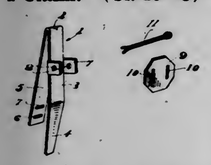
1. A dispensing device for adhesive tape in roll form, comprising a casing in which the rolls are rotatably supported side by side with their free ends of tape depending at the front of device, a knife guide in the casing behind the ends of tape in spaced relation to the casing walls having a front portion to which the tape ends are adapted to be adhesively secured, and a knife carrier having a knife disposed in said guide, said guide being composed of upper and lower sheet metal plates lying substantially horizontally and having reversely turned forward edge portions providing enlarged securing areas for the tape.

2,364,462
TRUCK
Mark H. Martin, Reading, Pa., assignor to Birdsboro Steel Foundry and Machine Company, Birdsboro, Pa., a corporation of Pennsylvania
Application November 17, 1942, Serial No. 465,853
33 Claims. (Cl. 105—197.1)



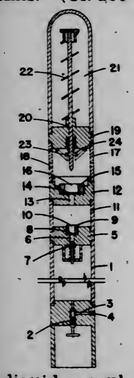
1. In a truck, the combination of a beam type side frame having guide columns, a bolster slidable between the columns, and a spring assembly supporting the bolster on the frame comprising coil springs and a semi-elliptic leaf spring extending lengthwise of and having its central portion seated on the frame and its ends bearing against the bolster, the coil and leaf springs being arranged in parallel, load transfer relation.

2,364,463
EAR TAG FOR ANIMALS
Horace Monroe, Scipio, Utah
Application December 17, 1943, Serial No. 514,687
1 Claim. (Cl. 40—3)



An ear tag for animals comprising a strip of flat metal bent upon itself intermediate its ends and including a pair of opposed long and short legs, respectively, the short leg having a pair of longitudinally spaced, transversely extending slots therein adjacent the free end thereof and the long leg having a tapered terminal section extended through said slots, whereby said legs are locked together, an identification button, and means to detachably attach said button to one of said legs flat against the same comprising a pair of opposed, centrally apertured lugs on said one leg, the button having slots therein fitting over said lugs, and a cotter pin extended through said apertures across said button.

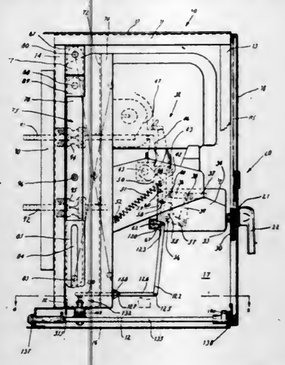
2,364,464
BOTTOM HOLE SAMPLER
Thomas V. Moore, Houston, Tex., assignor to Standard Oil Development Company, a corporation of Delaware
Application May 4, 1942, Serial No. 441,596
4 Claims. (Cl. 166—1)



1. A formation-liquid sampler adapted to be used in conjunction with a drill stem testing tool and to be arranged in a borehole below the packer of the drill stem testing tool, comprising a chamber adapted to receive a liquid sample, and a succession of spaced seals for said chamber adapted to be opened in succession from the outermost to the innermost in response to the changes in pressure which occur during the pressure cycle characteristic of a drill stem test.

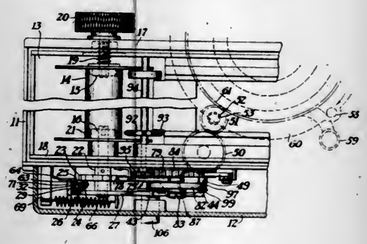
2,364,465
CIRCUIT BREAKER COMPARTMENT LOCK OPERATED TRIPPING DEVICE
Felix Edward Myers, Burlington, N. J., assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa., a corporation of Pennsylvania
Application November 6, 1942. Serial No. 464,734
8 Claims. (Cl. 200—50)

1. A circuit interrupter, an enclosure therefor comprising a movable panel, means outside of said enclosure effective when the panel is in enclosing position for opening and closing the contacts of said interrupter, means independent of said first means for opening said contacts, means for locking said panel in closed position, said independent means for opening said contacts being operable upon an unlocking movement of said locking means and comprising a rotatable



shaft in said enclosure operative between a tripping and non-tripping position, and actuating means on said panel cooperating with an element of said shaft effective during unlocking movement of the locking means of said panel to rotate said shaft to the tripping position and operative during locking movement of said locking means to rotate said shaft to the non-tripping position and hold said shaft in said last-mentioned position while said panel is closed.

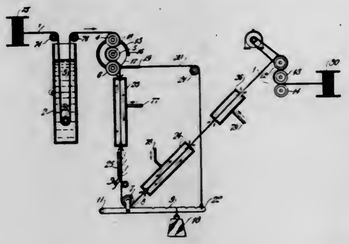
2,364,466
FILM FEED LOCK AND SHUTTER TENSIONING MECHANISM FOR CAMERAS
August Nagel, Stuttgart-Degerloch, Germany; vested in the Alien Property Custodian
Application January 18, 1941, Serial No. 375,036
In Germany June 7, 1939
4 Claims. (Cl. 95—31)



1. In a roll film photographic camera, the combination with a camera housing, an objective mount movably supported on said housing and adjustable relative thereto for focusing, a shutter with its tensioning lever mounted on and movable with said mount, film winding means comprising a rotatable spindle carried by said housing, of lever actuating means comprising a portion positioned on said mount and a portion carried by said housing and including a member loosely mounted on and releasably connectable to said spindle, a sliding connection between said

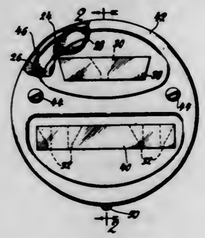
portions, means for connecting said member to said spindle so that said actuating means may be operated thereby, means for automatically disconnecting said member from said spindle when said shutter has been tensioned, and means on said housing adapted to engage said member for positioning said actuating means when disconnected from said winding means.

2,364,467
CORD AND METHOD AND APPARATUS FOR MAKING SAME
Ralph F. Nickerson, Pittsburgh, Pa., assignor, by mesne assignments, to National Cotton Council of America, Memphis, Tenn., a corporation of Tennessee
Application June 27, 1940, Serial No. 342,697
7 Claims. (Cl. 8—132.5)



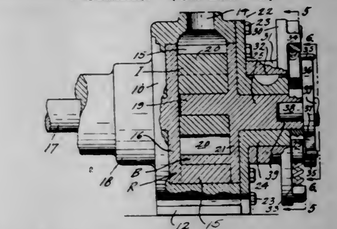
6. A method of producing a rubber-reinforcing cord having an improved flexing life comprising wetting a cotton cord at a temperature below 50° C. in the absence of substantial tension on the cord by treating the cord with a soaking bath of water substantially free of bonding agents, applying a stretching tension to the cord and subjecting the wet cord to a temperature above 85° C., and then cooling the cord while maintaining it under tension.

2,364,468
SIGNAL LAMP
George W. Onksen, Jr., Anderson, Ind., and Clifford C. Duell, Baltimore, Md.; said Onksen, Jr., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application November 13, 1941, Serial No. 418,898
2 Claims. (Cl. 177—329)



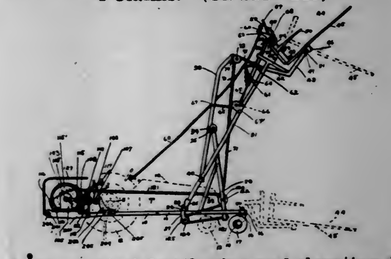
1. In combination, an opaque housing, a light therein, a window in one wall of said housing, an opaque screen between the light and the window and spaced from the window, and a wedge-shaped window in the screen, the wide part of said wedge-shaped window being at the top, whereby visibility of the light leaving the housing is restricted to a determinable angle from the horizontal.

2,364,469
REVERSIBLE HYDRAULIC PUMP
Donald J. Orr, Columbus, Ohio
Application September 22, 1942, Serial No. 459,229
7 Claims. (Cl. 103—3)



7. In a reversible hydraulic pump of the type having a casing provided with a pair of openings, a toothed rotor, a rotatable shaft for supporting said toothed rotor, a toothed idler meshing therewith and in eccentric relation thereto, and a barrier between the teeth of said rotor and idler, said rotor, idler and barrier being mounted within the casing; a supporting disk rotatable in said casing and carrying said barrier and a stud on which said idler rotates, and means for rotating said supporting disk for either end of said barrier to communicate with one of said openings and the other end thereof to communicate with the other opening for flow of pumped fluid through the housing and said openings in either direction or to position both ends of the barrier in communication with one of said openings to prevent fluid from being pumped while permitting the pump to continue in operation, said means for rotating said supporting disk comprising a disk connected therewith and rotatable by fluid resistance in the pump, said disk having a single notch, and three means carried by said casing for selectively engaging said notch at any one of three different positions by releasing the means that is in engagement with the notch, said three means being biased to notch engaging position whereby the next successive means engages the notch when said means that is in engagement with the notch is disengaged therefrom.

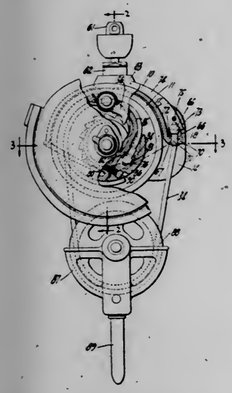
2,364,470
MACHINE FOR GATHERING, TRANSPORTING, AND STACKING MATERIALS
Benjamin F. Owen, Omaha, Nebr.
Application August 20, 1943, Serial No. 499,353
4 Claims. (Cl. 214—148)



1. In a material gathering and elevating device, a tractor, two guide rails disposed under the rear axle housing of the tractor between the rear wheels thereof, ends of said rails having a pivotal connection with said housing rearwardly of the latter, caster wheels for supporting the other ends of said rails independently of the tractor, standards secured to said rails, push arms hav-

ing ends arranged to slide on said rails, a sweep-head pivotally secured to the other ends of said push arms, means for latching the sweep-head to said push arms, lifting arms having ends pivotally attached to the push arms and arranged to slide on the upper ends of said standards, the other ends of said lifting arms being provided with pulleys, lifting cables having ends secured to said standards, said cables being disposed over said pulleys and having their other ends secured to said other ends of the push arms, and means for unlatching said sweep-head.

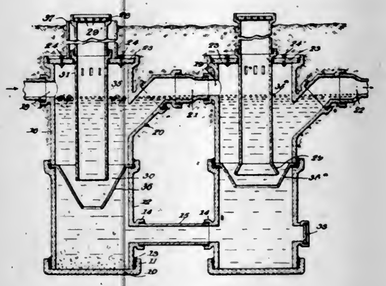
2,364,471
SUSPENDED HOIST
Humphrey F. Parker, Kenmore, N. Y., assignor to Columbus McKinnon Chain Corporation, Tonawanda, N. Y., a corporation of New York
Application May 4, 1943, Serial No. 485,586
4 Claims. (Cl. 254—169)



2. A hand hoist comprising a one-piece yoke shaped casing having a longitudinal wall and integral side walls, an outwardly extending flange formed along one of the lower edges of said longitudinal wall, a drum housed within said casing and mounted on bearings carried by said side walls, a one-piece reinforcing boss integral with the casing and located at the suspension point thereof, suspension means carried by said casing and passing through said boss, a cable for disposition about said drum, means for anchoring one end of said cable to said drum, an anchor secured to the dead end of said cable, spaced reinforced abutment means integral with said flange and forming an entrance slot for the passage of said cable, said abutment means being formed with a pocket, socket inserts disposed in said pocket and engageable with the anchor at the dead end of the cable, and spaced integral reinforcing ribs extending across the outside of said longitudinal wall and connecting each of said abutments with said boss, whereby the relatively light casing will be reinforced over the load bearing areas.

2,364,472
SEPTIC TANK
William M. Piatt, Durham, N. C.
Application July 18, 1939, Serial No. 285,179
3 Claims. (Cl. 210—6)

1. In a septic tank, a digestion chamber, a settling chamber above the digestion chamber and having unobstructed sloped walls between the two chambers and forming an opening therebetween, an inlet for the settling chamber, an outlet for the settling chamber below the inlet but inclined upwardly and extending to the sewage level so constructed and arranged that it forms a second settling chamber in the outlet, and normally retaining substantially a unit of sewage, an outlet pipe connected to the outlet and at substantially the same level as the inlet,



a cover for the tank having an aperture therein, a gas conductor of uniform cross-section suspended in the aperture in the cover and extending within the first mentioned settling chamber and over the digestion chamber and having a mouth at its bottom of substantially as large cross-section as the opening surrounded by the sloped walls, vents to atmosphere at the top of the gas conductor, and vents through the side of the gas conductor from the first mentioned settling chamber.

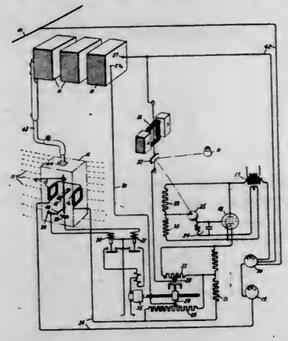
2,364,473
DYES OF THE ANTHRAQUINONE SERIES
Melvin A. Perkins and David X. Klein, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 13, 1943, Serial No. 475,810
4 Claims. (Cl. 260—374)

1. Dyes of the anthraquinone acid wool series which dye wool and other animal fibers in blue shades, and which exhibit good level dyeing properties, being compounds of the group consisting of 1-amino-4-phenylamino-2-anthraquinone sulfonic acid alkali metal salts and 1-amino-4-tolylamino-2-anthraquinone sulfonic acid alkali metal salts, which compounds carry as a substituent in the phenyl group the radical —CH_2CN.

2,364,474
DIRECT CURRENT MEASUREMENT
Theodore A. Rich, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application September 21, 1943, Serial No. 503,229
5 Claims. (Cl. 171—95)

1. Current measuring apparatus comprising in combination with a direct current conductor carrying the current to be measured, an air core flux responsive instrument positioned directly in the leakage flux field of such conductor such as to be influenced by such field flux in proportion to the current flow in the conductor, said instrument having a winding for producing a second flux in said instrument, a circuit for energizing

said winding in a direction such that the influence of the two fields on said instrument is opposed, means for regulating the current flow in said circuit including means controlled by said instrument in response to the differential field

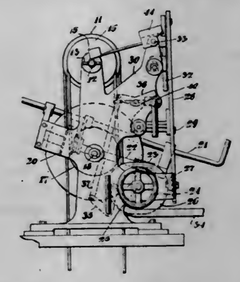


of said instrument for maintaining the influence of said fields on the instrument equalized, and means for measuring the current in said regulated circuit in terms of the current flow in said conductor.

2,364,475
POWER OPERATED MACHINE TOOL
Ralph R. Roemer, Cleveland, Ohio
Application July 11, 1942, Serial No. 450,528
3 Claims. (Cl. 143—132)

1. An adjustably positionable work table construction for a machine tool of the type comprising a rigid main base element, a column on the base element, a laterally extending arm on the column and a horizontally reciprocable tool on the arm; the work table construction comprising a work table top disposed under the tool; a pair of metal bars of circular cross sectional contour secured in parallel relation to the under side of the table top, by means projected downwardly through the table top and into the bars at the upper sides thereof; a plurality of bearing supports for each bar on which the bars and table top are reciprocable toward and from the table; the supports being provided with circular apertures substantially fitting the bars and embracing the lower half and only part of the upper half of the bars, the supports being carried by the same rigid base element which supports the column, and disposed to provide parallelism between the bars and the planes of reciprocation of the tool; operable means to lock the bars against reciprocation in the support apertures at different reciprocated positions of the bars and table top, the bars being extended forwardly beyond the table top whereby to increase the rearward reciprocatory movement of the table top, and the bars being spaced apart transversely to straddle the column when the bars and table top are reciprocated forwardly.

2,364,476
UNWINDING MACHINE
Herman P. Ruf, New York, N. Y.
Application December 22, 1941, Serial No. 423,977
2 Claims. (Cl. 242—36)

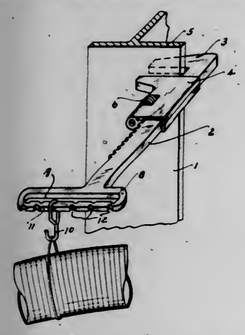


1. In a machine for spooling material as described, a spool carrying shaft, a driving pulley thereon, and an idler pulley juxtaposed thereto on said shaft, a shaft journaled in the machine frame to which the rotation of the spool carrying shaft is transmitted, a friction disc mounted on said last named shaft, a friction wheel engaging said disc, means to regulate the amount of speed between said disc and wheel, this means including a shaft on which the wheel is slidably mounted and carrying a worm, a worm wheel on a shaft in engagement with said worm, a cam on said last named shaft, a rocker arm pivotally secured intermediate its ends to the machine frame and having in its lower end a slot in which a pin of said cam engages, the upper end of said rocker arm slotted and engaged by a pin of a member fastened to the tape guide bearing shaft to move said shaft back and forth by the rocking action of said rocker arm, a bell-crank lever, a shaft having a notch into which one arm of said bell-crank lever engages to lock the same, a spring on said shaft tending to force the shaft to one side as soon as said lever is disengaged from its notch, and a belt-fork on said shaft pushing the belt on the driving pulley onto the idler pulley to stop the machine, and a means for initiating the stoppage of the machine when a predetermined length of material has been unwound.

2,364,477
ADJUSTABLE SUPPORTING BRACKET
Louis F. Sayles and James Norman Sayles, Portland, Oreg.
Application May 24, 1943, Serial No. 488,230
2 Claims. (Cl. 248—205)

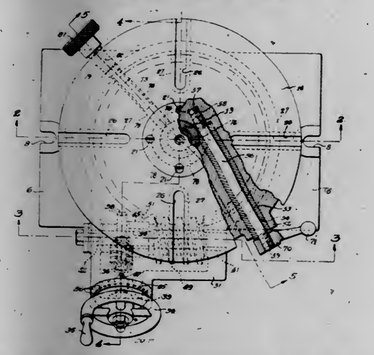
1. A supporting bracket having a shank formed at one end with a jaw, a cooperating jaw having sliding movement on the shank and including a sleeve-like portion slidable on the shank and extending forwardly of the jaws to exert a weight-influence on the gripping action of the jaws,

means for relatively adjusting the jaws, and an article supporting yoke carried by the end of the



shank remote from the jaws, said yoke having a length materially greater than the width of the shank.

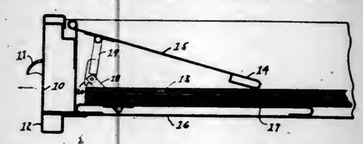
2,364,478
WORK SUPPORT
Albert J. Schreiber, Grosse Pointe Farms, Mich., assignor to Square Tool, Die & Mfg. Co., Warren, Mich., a corporation of Michigan
Application May 29, 1942, Serial No. 445,098
10 Claims. (Cl. 90—58)



8. A work support, comprising a circular base, a sleeve rotatably mounted in said base, a rotatable work supporting head carried by the base and rotatable about said sleeve having radially extending bolt receiving slots to facilitate the fastening of work thereto, a spindle extending through the sleeve in the base and connected to said head to center the head on the base, means for rotating the sleeve, means for selectively locking the head to and engageable with the rotated sleeve, and a locking sleeve carried by the base extending tangentially to the spindle for locking the head and sleeve against rotation in a predetermined position.

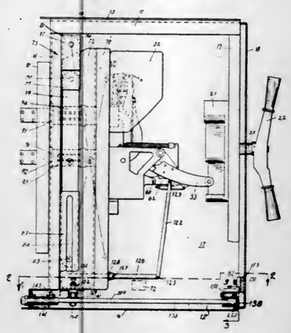
2,364,479
DRAWER
Lester F. Schroeder, Grand Rapids, Mich., assignor to Metal Office Furniture Company, Grand Rapids, Mich., a corporation of Michigan
Application May 11, 1944, Serial No. 535,145
4 Claims. (Cl. 129—26)

1. In a drawer of the class described, a floor supported by the bottom of the drawer, an arm pivotally secured to the drawer, and a link pivotally secured at one end to the floor whose other



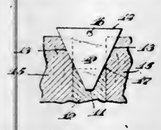
end is pivotally secured to one end of a link whose opposite end is pivotally secured to the arm.

2,364,480
CIRCUIT BREAKER COMPARTMENT DOOR OPERATED TRIPPING DEVICE
Walter Haines Schymik, Oreland, Pa., assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa., a corporation of Pennsylvania
Application November 6, 1942, Serial No. 464,754
10 Claims. (Cl. 200—50)



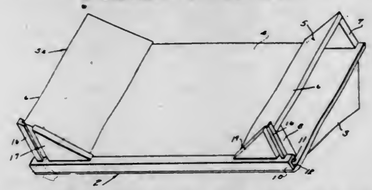
1. A circuit interrupter, an enclosure therefor comprising a movable panel, means outside of said enclosure effective, when said panel is in enclosing position, for opening and closing the contacts of said interrupter and means independent of said first named means for opening said contacts in response to the initial opening movement of said panel, a rotatable shaft in said enclosure, resilient means for rotating said shaft in one direction for tripping said interrupter and means on said panel cooperating with an element of said shaft effective, during final closing movement of said panel, to rotate said shaft to a non-tripping position and hold said shaft in said last named position while said panel is closed.

2,364,481
SHEAR DEVELOPER
James F. Seiler, Washington, D. C., assignor to American Wood-Preservers' Association, a corporation of Illinois
Application December 7, 1943, Serial No. 513,292
14 Claims. (Cl. 72—33)



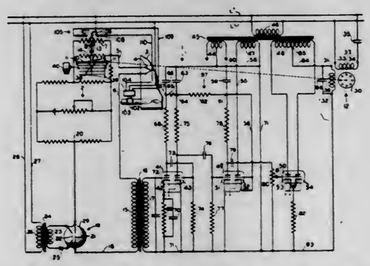
1. A shear developer comprising a truncated isosceles triangular metal plate with a perforation near the base and substantially equidistant from the sides.

2,364,482
BOOKRACK
John Seiler, Maricopa County, Ariz.
Application February 26, 1944, Serial No. 524,057
4 Claims. (Cl. 45—57)



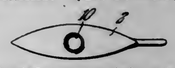
2. A rack for holding large books in an opened position, including in combination, a base, having a plate, and supports holding said plate at an angle tilted toward the front edge a rail positioned along the front edge of said plate, said rail being formed, in section, to provide a lateral groove with a depending retention lip, and a plurality of support blocks, adapted to contact the back and covers of a book placed on said base plate, having faces elevated at an angle to said plate by wedge end pieces and glides attached to their ends, adapted to engage the groove and depending lip of said rail so as to slide laterally on said plate face while retained in their longitudinal position and held against rotation.

2,364,483
MEASURING APPARATUS
Frederick W. Side, Philadelphia, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 19, 1942, Serial No. 435,397
8 Claims. (Cl. 172—239)



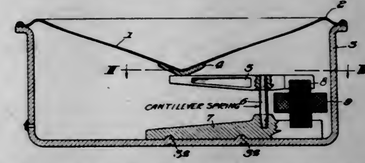
1. The combination with a circuit including a resistive filament having an appreciable temperature coefficient of resistance, of means for impressing a small unidirectional electromotive force on said circuit, a pair of heater filaments disposed closely adjacent said resistive filament for heating the latter, a source of fluctuating current for energizing said heater filaments for varying the temperature of the resistive filament in correspondence with the fluctuations of said current and thereby for subjecting said resistive filament to a source of heat regularly varying in temperature to cause said resistive filament to regularly vary in resistance whereby said unidirectional electromotive force creates a pulsating current flow in said circuit, and means for impressing current on said heater filaments from said source in such manner that the electrical field established by one of said heater filaments is cancelled by the electrical field established by the other of said heater filaments whereby the electrical coupling between said heater filaments and said resistive filament is neutralized.

2,364,484
TATTING SHUTTLE
Louis A. Silliman, Chester, Conn., assignor to C. J. Bates & Son, Chester, Conn., a firm composed of Hamilton C. Bates, Wells C. Bates, and Hamilton C. Bates, Jr.
Application April 11, 1944, Serial No. 530,524
2 Claims. (Cl. 87—58)



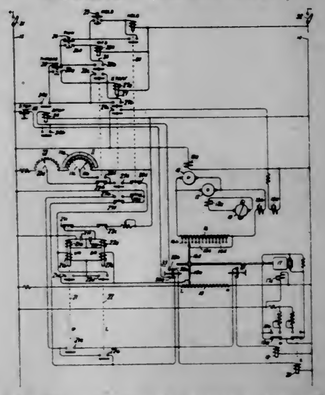
1. A tatting shuttle comprising in combination, side members secured together in spaced relation by a central member therebetween, outer sides of the side members provided with bosses having central depressions forming seats for the fingers of the operator.

2,364,485
ACOUSTICAL DEVICE
Charles B. Spencer, Pittsburgh, Pa.
Application July 10, 1939, Serial No. 283,631
8 Claims. (Cl. 177—7)



1. An acoustical device including the combination of a rigid type diaphragm, a rigid enclosure for the back of said diaphragm, a flexible annulus peripherally interconnecting said diaphragm and said enclosure, said enclosure being evacuated, and a spring balancing said diaphragm against the atmospheric pressure.

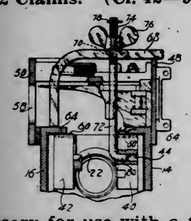
2,364,486
CONTROL SYSTEM
George B. Starie, Schenectady, and Anton W. Schmitz, Scotia, N. Y., assignors to General Electric Company, a corporation of New York
Application December 14, 1943, Serial No. 514,224
4 Claims. (Cl. 172—239)



1. A follow-up control system comprising in combination, a master potentiometer, a driven potentiometer, a motor for driving said driven potentiometer, means responsive to a differential voltage between said potentiometers for controlling said motor to drive said driven poten-

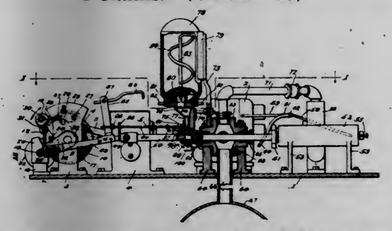
tiometer toward a position of zero differential voltage with respect to said master potentiometer comprising a pair of switching devices each provided with a main coil and an auxiliary coil, connections for connecting said main coils in series to a source, connections for connecting said auxiliary coils in series relationship between said potentiometers, the coils of one of said switching devices being connected for an additive relationship, and the coils of the other of said switching devices being connected for a differential relationship in response to a differential voltage of one polarity between said potentiometers thereby to provide for selective operation of said switching devices to effect rotation of said motor in a direction corresponding to the polarity of said differential voltage, and means responsive to operation of each of said switching devices for deenergizing the main coil thereof.

2,364,487
FIREARM ACCESSORY
William L. Swartz, West Hartford, Conn., assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn., a corporation of Connecticut
Application August 22, 1942, Serial No. 455,719
12 Claims. (Cl. 42—90)



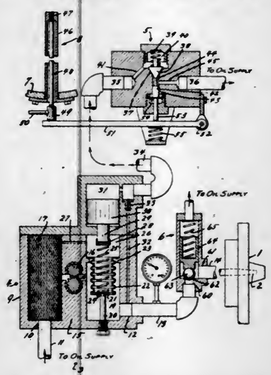
1. An accessory for use with a firearm having a barrel removably secured to a barrel extension reciprocably mounted in a casing and a recuperator spring secured to said barrel extension in such a manner that it tends to move the barrel extension out of proper alignment with the casing when the barrel is removed, said accessory comprising supporting means adapted to engage said casing for support thereby and means adapted to connect said barrel extension and supporting means to secure said barrel extension in proper alignment with said casing and immovable against the force of said recuperator spring tending to disalign said barrel extension with respect to said casing while the barrel is being secured to or removed from said barrel extension.

2,364,488
MEANS FOR TREATING FLUID
Clair V. Swearingen, Chattanooga, Tenn.
Application May 23, 1941, Serial No. 394,948
4 Claims. (Cl. 210—40)



1. In a machine for treating fluids, a casing having an outlet for treating-material, a feed slide mounted for reciprocation in the casing and having a receiver external to the casing but entering the casing when the slide is reciprocated, a delivery member, means for so mounting the delivery member that it will discharge into the receiver when the slide is operated to dispose the receiver externally of the casing, a gate movably mounted on the delivery member and controlling the flow to the receiver, spring means associated with the gate for closing the gate, a connection assembled with the gate, a part on the slide which receives the connection slidably, and means on the connection wherewith said part of the slide engages, to open the gate, means for operating the feed slide, and means for passing treating material into the fluid to be treated, as the slide is reciprocated.

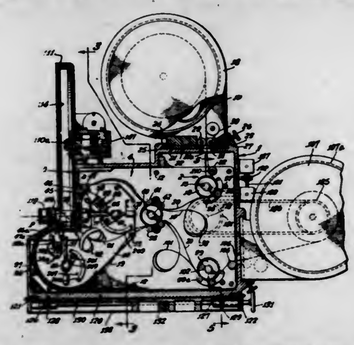
2,364,489
FUEL FEEDING SYSTEM FOR BURNERS
Walter W. Taylor, Oakland, Calif., assignor, by direct and mesne assignments, to Malsbary Manufacturing Company, Oakland, Calif., a copartnership
Application September 2, 1942, Serial No. 457,005
8 Claims. (Cl. 236—80)



2. A metering valve for a burner having a discharge nozzle comprising a housing having a chamber communicating with the nozzle, means for feeding a fuel supply through the chamber to the nozzle under pressure, a valve in said chamber for by-passing excess fuel from the latter, the valve being operable by the fuel pressure for opening the same and having a spring tending to close the same, a movable pressure member active on the spring for varying the tension thereof, means for normally subjecting the pressure member to the fuel pressure prevailing in the chamber, and controlling means for relieving the pressure on the pressure member whereby the pressure on the valve is reduced for by-passing an increased amount of fuel from the chamber, the said controlling means including a thermostat subject to the heating effect produced by the burner.

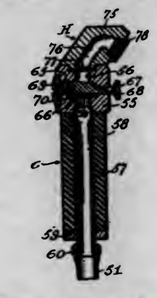
2,364,490
FILM MOVEMENT MECHANISM
Albert W. Tondreau, Hollywood, Calif., assignor to Warner Bros. Pictures, Inc., New York, N. Y., a corporation of Delaware
Application February 17, 1943, Serial No. 476,180
7 Claims. (Cl. 88—18.4)

1. Film movement mechanism comprising the combination of a mounting plate having an aperture, a bearing support fitting said aperture, means at the rear of said plate for detachably securing said bearing support to said mounting plate, a shaft journaled in said bearing support, said shaft extending to opposite sides of said plate, an eccentric on said shaft at the front of said plate, a ring on said eccentric and claw mechanism connected with said ring, a bearing for said shaft in said bearing support, washer means separating said eccentric and its said ring from the front end of said bearing, a gear on said



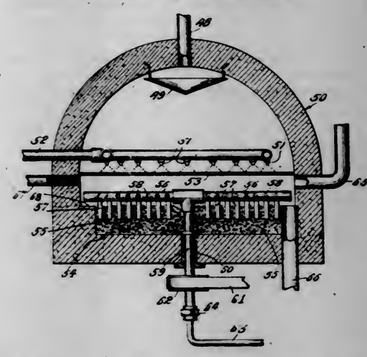
shaft at the rear side of said plate, washer means between said gear and the adjacent end of said bearing, said shaft having a screw-threaded portion and a cooperating nut for retaining said gear against said last mentioned washer means, a bearing in said bearing support for said shaft rearwardly beyond said threaded portion, a main plate having a sprocket thereon for said claw mechanism, said main plate having an aperture larger in size than said bearing support and said gear, and means removably securing said mounting plate to said main plate.

2,364,491
HYGIENIC CLEANER
Charles Amans Marie Triadou, Guatemala City, Guatemala
Application September 12, 1942, Serial No. 458,178
2 Claims. (Cl. 299—144)



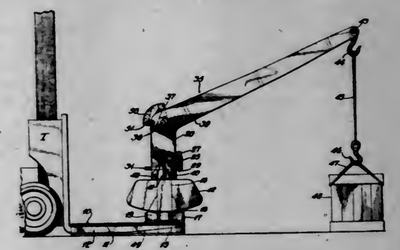
2. In an hygienic cleaner having a centrally bored handle, a block at one end of said handle having a bore registering with the handle bore, a valve for controlling the passage of fluid through said bore, and flexible means for connecting the other end of said handle to a fluid supply, a diamond-shaped head having an internal bore opening on two adjacent faces of the obtuse-angled sides of the diamond, means for securing one of said faces in contact with the said block so that the bore of the head registers with the bore of the block, and removably secured means closing the outer end of the head bore for modifying the physical form of the fluid issuing from said bore.

2,364,492
METHOD OF COKING AND CRACKING PETROLEUM RESIDUES OR THE LIKE
Malcolm H. Tuttle, New Rochelle, N. Y., assignor to Max B. Miller & Co., Inc., New York, N. Y., a corporation of Delaware
Application May 31, 1941, Serial No. 396,020
3 Claims. (Cl. 196—61)



2. Method of coking tar which comprises maintaining a stationary bed of granular coke, rabbling successive portions of the bed, directing radiant heat onto the top of the bed from above, and feeding tar to successive portions of the bed after they have been rabbled.

2,364,493
CRANE PLATFORM
Bronislaus Ulinski, Chicago, Ill., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn., a corporation of Connecticut
Application February 17, 1943, Serial No. 476,153
8 Claims. (Cl. 212—49)



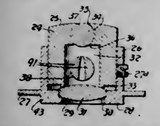
1. In a platform of the class described, a frame structure into which is adapted to enter the lifting mechanism of an industrial truck for lifting said frame structure, a crane support extending vertically from said frame structure, a crane pivoted relatively to said crane support on a horizontal pivot carried by said crane support and having a load supporting arm at one side of its pivot relatively to said crane support, and a counterbalancing weight secured to said crane at the other side of its pivot relatively to said crane support for counterbalancing a load on said load supporting arm.

2,364,494
METHOD OF APPLYING COVERING TO AIRPLANE WING FRAMES
Ralph H. Upson, Ann Arbor, Mich., assignor, by mesne assignments, to Consolidated Vultee Aircraft Corporation, a corporation of Delaware
Application June 5, 1941, Serial No. 396,659
7 Claims. (Cl. 29—84)



2. In the application of a skin or covering to a framework, the steps of applying a force longitudinally of the frame elements on one side of the neutral axis thereof and substantially only in the plane of the face of said side, tending to draw one end of said framework toward the other end thereof, without restricting the expansion or contraction of the elements of said framework on the opposite side of said neutral axis, whereby to cause said framework to be bent over the length thereof, applying to the surface of said framework on that side of said neutral axis first mentioned while said framework is so bent a thin sheet covering and fixing it to said framework, and then relieving said force.

2,364,495
ADJUSTABLE SOUND OPTICS FOR CINEPROJECTORS
Alexander Ferdinand Victor, New York, N. Y.
Application April 26, 1943, Serial No. 484,659
5 Claims. (Cl. 88—24)



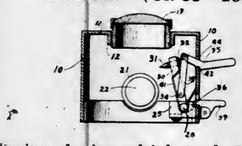
1. A device of the kind described embodying a hollow cylindrical drum; a slotted film-guide upon the exterior of said drum; a lamp within said drum; a sound-optic unit disposed between said lamp and the slotted portion of said film-guide; a floating supporting-plate upon which said unit is secured; said plate extending within said drum in the general direction of the axis of the latter; a flexible strip engaged intermediate its longitudinal margins with said supporting-plate, the margins of said flexible strip disposed in contacting relation with said drum; and adjusting means carried by adjacent portions of said drum, said means coacting with said plate and adapted to move said plate against the tension of said flexible strip.

2,364,496
AIRSHIP PROPULSION
Frank Vogel, Philadelphia, Pa.
Application December 20, 1943, Serial No. 515,017
1 Claim. (Cl. 244—17)



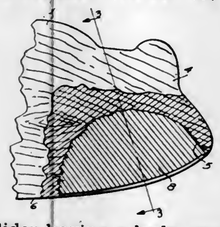
A rotary wing for aircraft including a shaft, opposed blades rotatable therewith, paddles pivotally connected to the outer ends of the blades and mounted to swing about axes parallel with the shaft, means on the shaft and connected to the paddles for progressively changing the angles of the paddles to their path of movement during the rotation of the blades, thereby to exert displacement of air in one direction when each paddle reaches predetermined points diametrically opposed and to feather when reaching intermediate points, and means under the control of an operator for changing the positions of maximum displacement of the paddles during the rotation of the blades, each of said blades being extensible and contractible in the direction of its length, said paddle-shifting means constituting means for retracting the wing, said blades being extensible by centrifugal force when rotated by the shaft, and while under restraint.

2,364,497
CENTERING DEVICE
George Wahnish and Alvin F. Cameron, Los Angeles, Calif.
Application August 23, 1943, Serial No. 499,720
1 Claim. (Cl. 33—189)



A centering device which includes: a housing; intersecting cross-hairs mounted in the base of said housing and defining a centering aperture; a magnifying eyepiece mounted in the upper portion of said housing and aligned with said aperture; a punch rotatably mounted in said housing and adapted when released to strike through said aperture; means for holding said punch in retracted position; and spring means for rotating said punch when said retracting means is released.

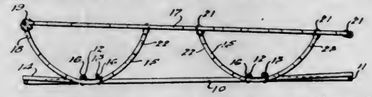
2,364,498
WEIGHTED GLIDER
Nevilles E. Walker, Portland, Oreg.
Application November 9, 1942, Serial No. 464,989
4 Claims. (Cl. 46—79)



1. A toy glider having a body, supporting surfaces, and a weight in the forward end of said body, said weight being seated in a recess opening to one surface of said body, said weight comprising a mass of comminuted barium compound and a binding and wetting agent, and said mass filling the recess formed in said body and being adhesively held in place by said binding and wetting agent.

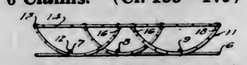
2,364,499
SPRING CONSTRUCTION
Nicholas Wolofski, Detroit, Mich., assignor to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware
Application June 13, 1942, Serial No. 446,869
11 Claims. (Cl. 155—179)

6. In a spring construction, a base frame embodying a border wire spanned by pairs of parallel wires, arcuate zig-zag strips secured to said pairs of wires near their medial portion with the ends projecting upwardly a progressively greater amount from one to the other edge of the frame,



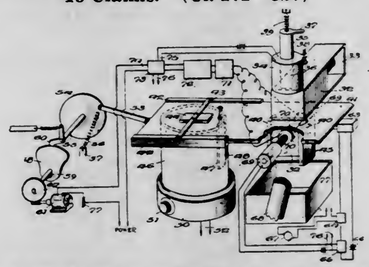
the arcuate strips on one pair of wires being aligned with corresponding strips of the other pair, and additional spring strips secured to the ends of said pairs of arcuate strips in angular relation to said base frame.

2,364,500
SPRING CONSTRUCTION
Nicholas Wolofski, Detroit, Mich., assignor to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware
Application July 6, 1942, Serial No. 449,843
6 Claims. (Cl. 155—179)



6. The combination with spaced base and top frames, of a plurality of arcuate spring strips secured to the base frame at points aligned longitudinally and laterally of the frame and having the ends extending upwardly adjacent to opposite edges of said top frame and to points interjacent thereof, flat spring strips spanning said edges of the top frame, some of said flat strips being aligned with said arcuate spring strips, and additional arcuate spring strips secured to said base frame in staggered relation to the first said arcuate spring strips having upwardly extending ends secured to other of said flat strips at points in staggered relation to the ends of the first said arcuate strips.

2,364,501
PIEZOELECTRIC CRYSTAL APPARATUS
John M. Wolfskill, Erie, Pa., assignor to Bliley Electric Company, Erie, Pa., a corporation of Pennsylvania
Application April 4, 1941, Serial No. 386,938
18 Claims. (Cl. 171—327)



2. Apparatus for adjusting the frequency of oscillation of a piezo-electric crystal, comprising: a piezo-electric crystal, means for periodically dipping said crystal into a solvent for a predetermined time interval, means for drying said crystal sufficiently to permit its frequency to be measured each time it is withdrawn from said solvent, an electric circuit for indicating the frequency of said crystal each time said crystal is withdrawn from said solvent, and means for gradually shortening the time interval that the crystal is dipped into said solvent and for more frequently measuring the frequency of said crystal as the desired crystal oscillating frequency is approached.

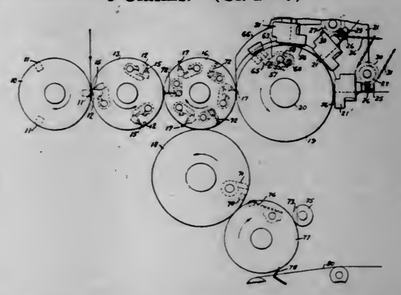
2,364,502
FUEL COMPOSITIONS
John C. Zimmer, Union, and Jones I. Wasson, Townley, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 30, 1941, Serial No. 424,929
13 Claims. (Cl. 44—62)

1. A composition of matter comprising a hydrocarbon fuel distillate stabilized by a small quantity of base metal salt of a resinous ammonium condensation product of an alkyl phenol-formaldehyde - hydrogen halide condensation product, said product containing a nitrogen base radical attached to the aryl nuclei of alkyl phenol radicals through a methylene group and containing more than one akyl phenol radical combined with each nitrogen atom, said metal replacing the hydroxyl hydrogen in at least one phenolic group in said salt.

2,364,503
BEARING AND METHOD OF MAKING SAME
George A. Zink, Indianapolis, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
No Drawing. Application May 17, 1939, Serial No. 274,219
3 Claims. (Cl. 204—26)

1. The method of making a lined bearing which consists in tin plating a cylindrical shell, heating the plated shell in a bath of molten tin maintained at temperatures of from 650 to 700° F. to cause the tin to fuse to the shell, removing the shell from the bath and spinning it while introducing into it a molten alloy consisting of from .1 to 1% calcium, from 4 to 10% tin and the balance lead, said spinning being continued until the alloy solidifies in the shell.

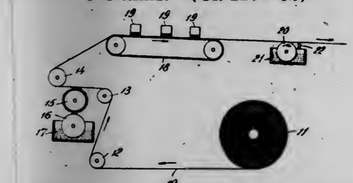
2,364,504
STAPLING MECHANISM FOR ROTARY PRINTING MACHINES
Adolph M. Zuckerman, New York, N. Y., assignor to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York
Application June 24, 1942, Serial No. 448,282
9 Claims. (Cl. 1—7)



1. A wire stapling mechanism including, a rotatable stapling cylinder, a cooperating clinching cylinder around which associated sheets of material are run and between the cooperating cylinders at their bite, a plurality of staple wire feeders positioned immediately adjacent the periphery of the stapling cylinder and in separate circumferential locations around the stapling cylinder with a wire feeder in one circumferential location overlapping longitudinally of the cylinder the adjacent circumferentially spaced wire feeder.

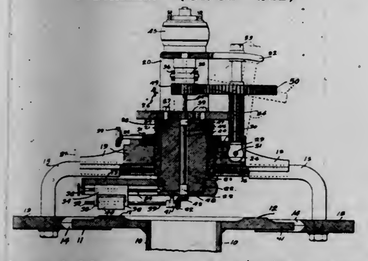
means for severing pieces from the wire of each wire feeder, forming the severed pieces of wire into staples and conveying the staples circumferentially around the stapling cylinder to the bite line between the cooperating cylinders and there simultaneously setting the staples in alignment into the material.

2,364,505
METHOD OF MAKING COATED PAPER
Eugene G. Bennett, Hamilton, Ohio, assignor to The Champion Paper and Fibre Company, Hamilton, Ohio, a corporation of Ohio
Application July 13, 1940, Serial No. 345,404
9 Claims. (Cl. 117—62)



1. Process of making coated paper which comprises applying an aqueous coating composition containing casein and pigment to paper and allowing the casein present in the moist coating layer on the paper to react with formaldehyde at a pH between 9.0 and 10.5.

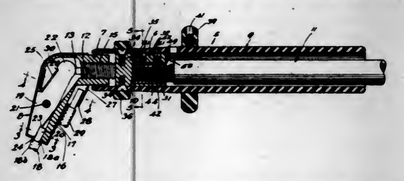
2,364,506
GRINDING MACHINE
Mischa N. Berezny, San Francisco, Calif.
Application October 29, 1943, Serial No. 508,127
7 Claims. (Cl. 51—241)



1. A portable grinder of the class described comprising a bed piece, opposite chuck heads mounted for radial clamping movement relatively to the bed piece in offset relation thereto and adapted to engage the edges of a pipe flange to position the bed piece in spaced relation to the flange face, a centrally located carrier head rotatable on the bed piece, a radial tool carrying arm extending from the carrier below the bed piece in fixed relation thereto, a grinder roll on said arm adapted to contact a flange face and means on the bed piece for driving the grinder roll and for simultaneously rotating the carrier head to move the grinder roll in an orbital path.

2,364,507
ELECTRODE HOLDER FOR WELDING APPARATUS
Arthur A. Bernard, Chicago, Ill.
Application April 3, 1943, Serial No. 481,661
4 Claims. (Cl. 219—8)

2. In an electric welding electrode holder, a welding head having a rigid jaw, a movable jaw pivotally connected between its ends to said rigid jaw, said head having a screw-threaded axial



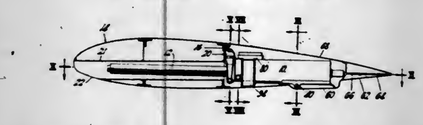
opening in its inner end, said head having a recess therein opposite said opening for receiving the inner end of said movable jaw.

2,364,508
WELDING ELECTRODE HOLDER
Arthur A. Bernard, Chicago, Ill.
Application December 2, 1943, Serial No. 512,568
17 Claims. (Cl. 219—8)



1. In an electrode holder, a body portion, means for connecting a conductor to said body portion, a head comprising an inner portion aligned with the body portion and having a first jaw extending at an inclination therefrom, a second jaw pivoted between its ends to the first jaw for cooperating therewith to hold an electrode, means for rigidly connecting the head to the body portion, and rigid means engaging the inner end of the second jaw to move the same about said pivot for causing said jaws to grip an electrode.

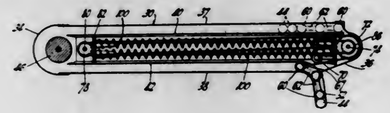
2,364,509
AIRPLANE WING GUN MOUNT
Edward M. Bertrán, Flushing, and Max Sokol, Long Island City, N. Y., assignors to Brewster Aeronautical Corporation, Long Island City, N. Y.
Application November 9, 1940, Serial No. 365,074
4 Claims. (Cl. 89—37.5)



1. In combination, a base support, a gun, a gun mount comprising a pair of gun suspension devices carried by said base support and spaced longitudinally of the gun, one of said suspension devices comprising means for mounting said gun to be pivotable relative to said support about vertical and horizontal axes, the other of said devices comprising means for adustably holding said gun in various pivoted postions relative to said axes and including a link having a pair of pivot devices thereon defining spaced parallel pivot axes, one of said link pivot devices being connected to said base support against axial movement relative thereto, a mount arm having pivotal engagement at one of its ends with the other of said pivot devices, screw thread means carried by said mount arm for axially adjusting

and retaining said mount arm in pivotal mounted relation with respect to said link, said mount arm having a second end portion extending at right angles to the first mentioned other end thereof and having pivotal connection with the gun, and screw thread means carried by said mount arm for adjusting and retaining the latter axially with respect to said gun.

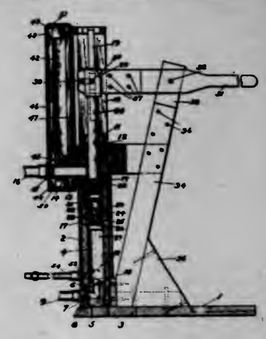
2,364,510
GUN AMMUNITION MAGAZINE
Edward M. Bertran, Jackson Heights, and Robert N. Lesnick, Brooklyn, N. Y., assignors to Brewster Aeronautical Corporation, Long Island City, N. Y.
Application January 28, 1941, Serial No. 376,322
5 Claims. (Cl. 89—34)



1. An ammunition magazine for use in conjunction with a gun and having an ammunition discharge portion thereof extending for communication with the ammunition receiving portion of said gun, said magazine comprising a walled elongate box-like casing, a pair of relatively spaced and parallel track means mounted within said casing and arranged to extend transversely of the intermediate interior thereof so as to be spaced in relation with and to cooperate with opposite wall portions of said casing to provide in effect a continuous U-shaped chamber within said casing contiguous to said wall portions thereof and having a lineal extent substantially greater than the length of the space between said track means, said chamber being adapted to slidably support a train of ammunition rounds therewithin and in communication with said casing discharge portion, compression spring means disposed within said casing intermediately of said track means and mounted upon said container to react at one end thereagainst and adapted to be alternately tensioned and untensioned by straight line flexure thereof while being entirely disposed intermediately of said track means, a pusher device slidably mounted upon said casing within said chamber and adapted to press against the rear end of said ammunition train to force it to move through said chamber and out of said casing discharge portion for feeding said gun, an abutment member slidably mounted upon said casing intermediately of said track means and connected to the moving end portion of said spring means, and force transmission means coupling said abutment member and said pusher device for actuating the latter to feed ammunition out of said casing discharge portion in response to force effects of said spring means acting upon said abutment member.

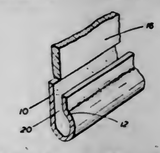
2,364,511
DOUBLE-ACTING PUMP
Romeo A. Bossi, Newton Center, Mass.
Application July 9, 1943, Serial No. 494,022
8 Claims. (Cl. 103—178)

1. A pump barrel formed of complementary longitudinal sections secured together in tightly abutting relation and having an axial longitudinal bore of uniform cross sectional area, and parallel longitudinally extending wooden reinforcing



members enclosing the respective sections and overlying the joints between them.

2,364,512
FASTENING OF SHEET MATERIAL INTO FRAMES AND LIKE MEMBERS
Charles Bower, Kirby Muxloe, England, assignor to Reid and Sigrist Limited, Kirby Muxloe, England
Application September 27, 1943, Serial No. 504,073
In Great Britain October 22, 1942
4 Claims. (Cl. 18—59)

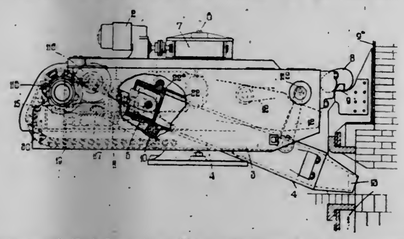


1. The method of securing the margin of a panel in a frame member formed with a groove at least one side of which is spaced away from the surface of the panel to form a substantially closed pocket, consisting in applying a coating of adhesion-preventing material to the surfaces of said groove, inserting into said groove a quantity of viscous cement which adheres to the panel but not to the coated surfaces of the frame member, said quantity being less than that required to fill the groove, inserting the margin of the panel edgewise into the groove to displace said cement into said pocket and maintaining said panel in place until the cement has solidified, thereby to produce a solid projection on the panel which prevents the panel from being withdrawn from the groove edgewise while allowing endwise movement of the panel in the groove.

2,364,513
CLAY GUN
William Reid Brown and Norman Ashton Graveson, Stockton-on-Tees, England, assignors to Ashmore, Benson, Pease and Company Limited, Stockton-on-Tees, England, a British company
Application December 1, 1941, Serial No. 421,236
In Great Britain December 13, 1940
7 Claims. (Cl. 266—42)

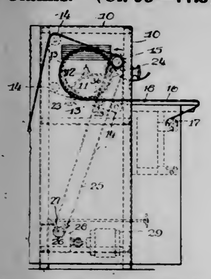
1. A clay gun for plugging a tapping hole in a furnace, comprising in combination guides in line with the tapping hole of said furnace, a clay cylinder having a filling opening and floating freely in said guides, said cylinder having a discharge

opening directed toward but normally spaced from the furnace tapping hole, a piston in said cylinder, and means to impart a thrust to the



piston whilst leaving the cylinder free to move in its guides, thereby to move the cylinder to present its discharge opening in the tapping hole, and then eject clay from the cylinder into said hole.

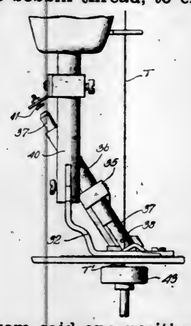
2,364,514
MACHINE FOR MAKING BLUEPRINTS AND THE LIKE
Harold J. Brunk, Chicago, Ill., assignor to The C. F. Pease Company, a corporation of Delaware
Application September 20, 1943, Serial No. 503,049
9 Claims. (Cl. 95—77.5)



1. A machine for printing paper coated with light-sensitive material comprising, a rotatable cylinder, a source of light within said cylinder, means for drawing a span of said paper over said cylinder and rotating said cylinder at a rate which permits said paper to travel at a different surface speed from that of said cylinder whereby the portion of the cylinder wall interposed between said paper and said light is continually changing, to prevent the printing of undesired images on said paper.

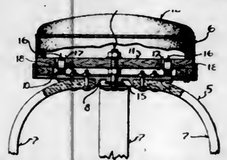
2,364,515
SEWING MACHINE
Boyd Bryson, Clifton, N. J., assignor to Bryson Manufacturing Co. Inc., Clifton, N. J., a corporation of New Jersey
Original application December 9, 1942, Serial No. 468,334. Divided and this application October 12, 1943, Serial No. 505,916
6 Claims. (Cl. 112—219)

1. In a sewing machine having electric drive means, a presser foot having a needle aperture and a slot leading therefrom in the direction of the goods travel, a bar reciprocable obliquely to the direction of the goods travel between two positions and being biased by its own weight toward one position, a stationary contact engageable by said bar in its other position, a pin carried by said bar and located adjacent the needle path, said pin being engageable by the needle thread upon movement of the latter into said slot, upon failure of the bobbin thread, to effect movement



of said bar from said one position to said other position, and circuit means including said bar and contact for controlling said electric drive means.

2,364,516
STOOL
John D. Buckstaff, Oshkosh, Wis.
Application November 7, 1941, Serial No. 418,121
1 Claim, (Cl. 155—95)

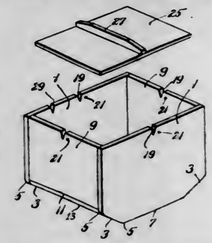


A stool of the character described comprising: a head casting having an outer rim and radial spokes, the outer rim having a flat top surface providing a circular track; side flanges projecting down from the side edges of each of said spokes to form channels; projections extending down from the spokes at the hub portion of the head casting and between the side flanges, said projections being equispaced from the center of the head casting; legs having their upper end portions curved inwardly and substantially horizontal, said upper end portions of the legs being received in the channels at the under sides of the spokes and abutting said projections to be properly located thereby; means securing said upper end portions of the legs to the spokes; a pivot pin projecting up from the center of the head casting; a seat connected to said pivot pin so as to be freely rotatably connected thereby to the head casting; and a plurality of rollers carried by the seat at the under side thereof and arranged in a circle to run on the circular track, the axes of said rollers being radial to the pivot pin and being spaced upwardly above the bottom of the outer edge of the seat a distance equal to at least one-half the diameter of the rollers whereby said outer edge portion of the seat conceals the rollers and the track.

2,364,517
SOLVENT-EXTRACTING GASOLINES
Robert E. Burk, Cleveland Heights, Ohio, assignor to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application October 9, 1940, Serial No. 360,429
9 Claims. (Cl. 196—13)

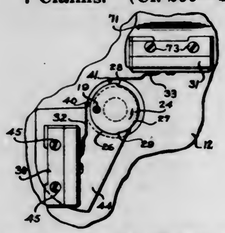
1. A process of the character described, which comprises fractionating from a naphtha hydrocarbon of five carbon atoms and under, extracting the remaining portion at around 400° F. under pressure maintaining liquid state with a selective solvent having a higher boiling point than the naphtha, allowing layers of raffinate naphtha and solvent extract to form and separate, distilling off extracted hydrocarbons from the solvent, and combining the previously segregated hydrocarbons of five carbon atoms and under with such extracted hydrocarbons of the naphtha.

2,364,518
BALER
Carl R. Clouser, North Weymouth, Mass.
Application August 24, 1943, Serial No. 499,801
7 Claims. (Cl. 100—19)



1. A paper baler having in combination vertical side and end walls and a rocker bottom, and a load-support above the rocker bottom, the walls having recesses to hold bale-tying cords.

2,364,519
TIMING DEVICE
Paul A. Coffman, Jr., Kansas City, Mo., assignor to Omega Machine Company, Kansas City, Mo., a corporation of Missouri
Application July 31, 1942, Serial No. 453,089
7 Claims. (Cl. 200—33)

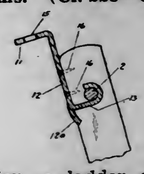


2. In a device of the character described, a plurality of switches each comprising a pair of stationary contact members and a movable contact member movable back and forth between two alternative positions with said movable contact member in engagement with one of said stationary contact members in one of said positions and with the other of said stationary contact members in the other of said positions, a shaft, cam means fixed thereto having high and low portions each of uniform height, throughout the length thereof and each of substantially equal length, means for continuously rotating said shaft at a determined speed, a switch operating member on each switch the position of which determines the position of the movable contact member of said switch, said operating members each continuously engaging said cam means to each occupy two alternative positions, for intervals of equal length while alternately engaging said high and low cam portions to move the movable contact member it operates from engagement with one of said stationary contacts and into engagement with the other thereof upon engagement with one of said cam portions and out of engagement with said other stationary contact and into engagement with said one stationary contact upon engagement with the other of said cam portions, and means for adjusting the position of said switches relatively through an arc substantially equal to that through which each of said cam portions extends to hold the operating members thereof in a corresponding position through from zero to one hundred percent of each revolution of said shaft.

2,364,520
CONCENTRATION OF SYLVINITE ORES
Allen T. Cole and Wesley M. Houston, Lakeland, Fla., assignors to Minerals Separation North American Corporation, New York, N. Y., a corporation of Maryland
No Drawing. Application June 23, 1943, Serial No. 491,948
17 Claims. (Cl. 209—166)

1. The improvement in the method of separating sylvite from a pulp containing it which comprises subjecting said pulp to a concentrating process employing a collector selected from the group consisting of aliphatic amines containing a straight chain hydrocarbon group of at least 7 carbon atoms and their soluble salts formed by their combination with acids which are relatively devoid of surface active properties, which resides in distributing in said pulp a useful amount of an auxiliary agent consisting of a molecular or colloidal dispersion of a cellulosic material in aqueous media, and thereafter subjecting the pulp to a separation treatment to remove the desired sylvite.

2,364,521
LADDER SUPPORTING MEANS
Charles L. Fairfax, Cleveland, Ohio
Application April 30, 1943, Serial No. 485,229
2 Claims. (Cl. 228—61)

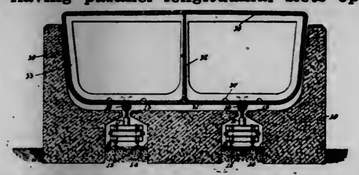


1. In combination, a ladder comprising the usual side bars and transverse rungs, and means for supporting said ladder on a window sill or the like, comprising lateral rigid pin engaging loop members attached to the upper ends of the side bars of the ladder and extending outwardly from the ladder at one side thereof, the loop members including plates on the inner faces of the side bars of the ladder, and hook members projecting from the plates in a direction opposite the loop members and engaged with the uppermost rung of the ladder.

2,364,522
PROCESS OF AND EQUIPMENT FOR BUILDING CONCRETE SHIPS
Henri D. A. Ganteaume, Newtonville, Mass.
Application May 17, 1943, Serial No. 487,302
8 Claims. (Cl. 25—130)

4. Equipment for building concrete ships, comprising a permanently installed external mold

having downwardly converging walls and a bottom having parallel longitudinal slots opening



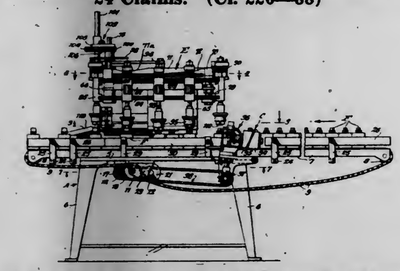
into passages beneath the mold bottom, and jack-carrying trucks movable in said passages to transport a ship endwise from the mold.

2,364,523

STRAIGHT LINE CAPPING MACHINE

Howard E. Gantzer, Kenmore, N. Y., assignor to Consolidated Packaging Machinery Corporation, Buffalo, N. Y., a corporation of New York

Application March 15, 1941, Serial No. 383,522
24 Claims. (Cl. 226—88)



1. In a capping machine, a supporting frame, a continuously moving primary conveyer mounted on said frame and adapted to receive a line of containers successively presented thereto, means associated with said conveyer for successively spacing the containers carried thereby, a secondary straight line conveyer associated with said primary conveyer for accurately maintaining said containers in said spaced relation thereon, means for laterally adjusting said secondary conveyer with respect to said primary conveyer, a capping assembly carried by said frame and including a plurality of capping chucks movable through an orbital path including a straight portion overlying the path of travel of said containers, means for moving said chucks in synchronism with said secondary conveyer and the associated containers, means associated with said capping assembly for supplying container caps to said chucks, means for moving the cap carrying chucks into and out of capping engagement with said containers, means including rack and pinion connections for effecting the rotation of each chuck during at least the time each said chuck is maintained in capping engagement with an associated container, means for vertically adjusting said capping assembly with respect to said straight line conveyer, and means for ejecting from said chucks any caps that were not applied to containers.

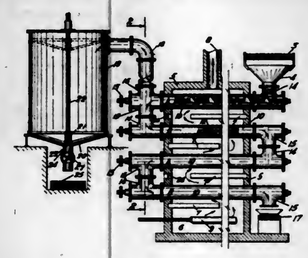
2,364,524

CONVERSION PROCESS FOR FERTILIZER MATERIALS

Walton C. Graham, Denver, Colo., assignor, by mesne assignments, to Potash Company of America, Denver, Colo., a corporation of Colorado

Application March 11, 1940, Serial No. 323,265
3 Claims. (Cl. 23—100)

1. The process for producing fertilizer compositions, which comprises the intermixture of potassium chloride and ammonium sulphate in dry condition in amounts approximating their molecular combining proportions, inducing a chemical reaction to transpose the acid radicals of the constituent materials by moving the material through a succession of physically separated treatment stages, heating the intermixture in the



successive stages to progressively higher temperatures within the approximate range of 350° C. and 513° C. while maintaining a substantially uniform temperature in all the material at any given stage, separating the resulting ammonium chloride vapors from the residual solids, and condensing such vapors after being so separated.

2,364,525

RAZOR BLADE

Joseph Albert Guimond, Montreal, Quebec, Canada, assignor to Marie Florida Gisele Yvette Giguere (nee Guimond), Noranda, Quebec, Canada

Application June 10, 1944, Serial No. 539,650
6 Claims. (Cl. 30—351)



1. A razor blade of steel comprising a cutting edge with square mortise notches at each end, a rear portion in an adapted form to insert in a blade magazine holder, said rear portion having two extended shoulders to prevent rocking in the magazine holder, two tenon teeth at each end of the blade separated by a retreated groove.

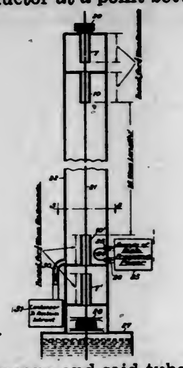
2,364,526

HIGH FREQUENCY INDUCTION SYSTEM

Clarence W. Hansell, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application July 10, 1941, Serial No. 401,771
13 Claims. (Cl. 91—55)

1. Apparatus for providing an elongated, electrical conductor with a coating, said apparatus comprising, in combination, a tube of electrically conductive material forming the outer conductor of a concentric line, said tube being provided with resonant filter elements at each end through which said conductor passes without direct electrical contact therewith, a source of high frequency power for setting up electrical currents in said conductor, means for drawing said conductor through said tube, means for applying a coating on said conductor before it passes through said tube, and automatic, pneumatic means responsive to the dimensions of the finished conductor as it leaves said tube associated with said conductor at a point between said coat-



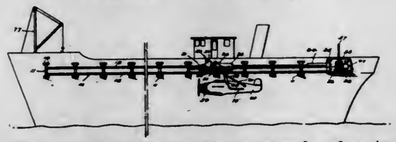
ing applying means and said tube for controlling the thickness of coating adhering to said conductor before it enters said tube.

2,364,527

AIRCRAFT CATCHING APPARATUS

Carroll M. Haygood, Cheyenne, Wyo.

Application April 13, 1943, Serial No. 482,894
9 Claims. (Cl. 244—110)



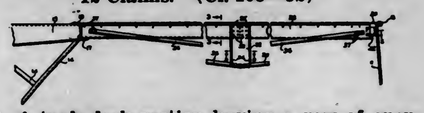
3. The combination with a vessel, of a track mounted upon the vessel and extending longitudinally of the same, a carriage to travel upon the track, a generally horizontal arm mounted upon the carriage and extending laterally beyond the carriage and vessel, an aircraft, an arm extending generally longitudinally of the aircraft and pivotally connected therewith to swing vertically, said arm when raised having its free end disposed above the aircraft, said arm when raised being vertically inclined and extending upwardly in a forwardly direction, said arm having its free end bent downwardly to provide a hook, and yielding means connected with the pivoted arm between its ends and with the aircraft and serving to oppose the upward swinging movement of the arm, the arrangement being such that the pivoted arm is adapted to engage over the first named arm so that the aircraft is suspended from the carriage.

2,364,528

SECTIONAL TANK DECK

William J. Heinrich, Englewood, Mo., assignor to Andrew A. Kramer, Kansas City, Mo.

Application October 13, 1943, Serial No. 506,069
12 Claims. (Cl. 108—32)



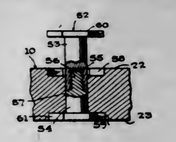
1. A tank deck section having a row of openings therein adjacent a margin thereof, a depending flange on said section at said margin, headed fastening elements projecting through said openings, and a stiffening member having a pair of flanges connected by a web portion on said flange, one of the flanges on said stiffening member having integral means thereon engaging the heads of said elements to hold the same in projected position in said openings and against turning.

2,364,529

DRAFTING INSTRUMENT

Walter W. Hill, Washington, D. C.

Application March 9, 1943, Serial No. 478,549
4 Claims. (Cl. 33—104)



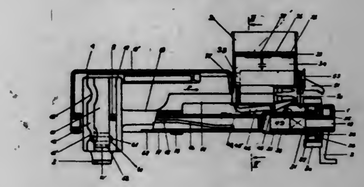
4. A drafting instrument comprising a plate formed with aligned recesses in the opposite sides thereof and an opening communicating with said recesses, a handle slidable through said opening and a head at each end of said handle engageable in a selected one of said recesses, said recesses and said heads being so formed as to thereby hold said handle against rotation relative to said plate.

2,364,530

DEVICE FOR FILLING AND EMPTYING CARTRIDGE BELTS

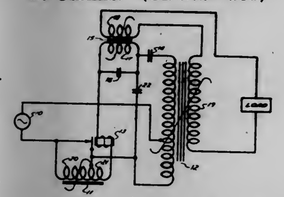
Václav Holek, Brunn-Zabovresky, and Jan Ondříček, Brunn, Czechoslovakia; vested in the Alien Property Custodian

Application March 18, 1938, Serial No. 196,790
In Czechoslovakia March 18, 1937
2 Claims. (Cl. 86—48)



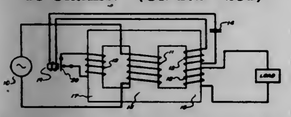
1. A filling device for cartridge belts, comprising a container for the cartridges, a shaking device associated with said container consisting of a hollow ridge-like body divided into two parts movable relatively to each other, a slide and mechanism for operating said slide, a device connected with said slide, means on said parts of said hollow ridge-like body, said device on said slide co-operating with said means, a member carried by said slide constituting an ejector for the cartridges from said container, said slide including grooves co-operating with said member, one of said grooves serving to control the movement of said ejector for pushing the cartridges into the cartridge belt and the other of said grooves serving to push the cartridges out of the belt, a drum for feeding the cartridge belt, a shaft for said drum, a part displaceable with said slide for operating said shaft, and a device for holding the cartridges located in said container above the ejected cartridges, said device being controlled by means of the cartridges ejected from a charging space at the bottom of the container.

2,364,531
FREQUENCY REDUCER
Henry M. Huge, Lorain, Ohio, assignor of one-half to Closman P. Stocker and one-half to E. M. Heavens
Application May 8, 1942, Serial No. 442,224
10 Claims. (Cl. 172—281)



10. Circuit means for introducing harmonics into the output of a frequency changer having magnetic core means with first and second winding means substantially in parallel thereon, and having a first capacitor connected to the first winding means, said circuit means comprising, in combination, a saturable inductance having a plurality of winding means, a second capacitor connected substantially in parallel with said saturable inductance, one of said plurality of winding means being connected in series with said capacitor, another of said plurality of winding means being connected to said second winding means on the magnetic core means to introduce voltage from the saturable inductance into the output voltage of the frequency changer.

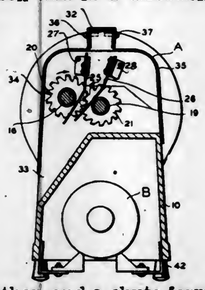
2,364,532
COMMON CORE FREQUENCY CHANGER
Henry M. Huge, Lorain, Ohio, assignor of one-half to Closman P. Stocker and one-half to E. M. Heavens
Application May 6, 1943, Serial No. 485,834
15 Claims. (Cl. 172—281)



15. A frequency changer adapted to be energized by a source of alternating current and to supply a load with voltage of an output frequency which is one-third the source frequency, comprising in combination, a capacitor, a magnetic core having first and second saturable magnetic flux paths having a common portion, first winding means on the core adapted to magnetize the common portion when energized by said source, second winding means on the either first or second saturable flux path, the capacitor connected to said second winding means and supplying exciting current of said output frequency to magnetize the saturable flux path, and means for starting said exciting current through the capacitor, and output circuit means inductively related to the first flux path.

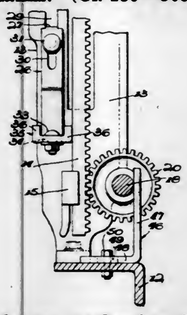
2,364,533
ELECTRIC MEAT TENDERIZER
Aldrich L. Jackson, Minneapolis, Minn.
Application February 10, 1941, Serial No. 378,185
18 Claims. (Cl. 17—26)

1. A machine for tenderizing meat into steaks comprising a pair of processing rollers, each roller including a series of parallelly disposed spaced thin cutter discs, teeth formed in said discs, arcuated knife edges formed on the periphery of said teeth, means for rotating said processing rollers in unison and in a direction of rotation



toward each other, and a chute formed by a pair of spring finger combs, the fingers of which extend between and beyond said discs to direct the meat between said processing rollers.

2,364,534
CLOTH TAKE-UP MECHANISM FOR LOOMS
John W. Jones, Greenville, S. C.
Application April 15, 1944, Serial No. 531,159
10 Claims. (Cl. 139—308)



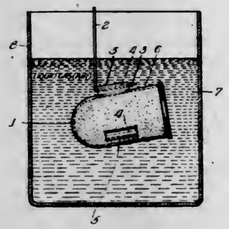
1. In cloth take-up mechanism for looms, an upstanding guide having a longitudinal slot, an upstanding rack engaging the guide, a pinion mounted upon the lower portion of the guide upon one side of the rack to mesh therewith, a strap disposed upon the opposite side of the rack remote from the pinion and provided with a laterally extending tail to enter the longitudinal slot and having a longitudinal slot, a bolt to pass through the longitudinal slots of the guide and strap, a lateral extension carried by the strap, a pressure element having a longitudinal slot and arranged to engage with the rack, and a bolt carried by the lateral extension and extending through the longitudinal slot of the pressure element.

2,364,535
MARINE WAVES POWER PLANT
Herman Kapolkin, New York, N. Y.
Application February 17, 1944, Serial No. 522,748
11 Claims. (Cl. 115—4)



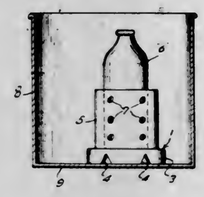
1. A marine waves power plant having the combination of a first vessel carrying a drive shaft, a second vessel hinged to said first vessel and carrying a mast, a drum having a gear being rotatably mounted on said first vessel, a ratchet rotatably mounted at the end of said drum, a spring-pressed pawl slidable on said drum toward and away from said ratchet, a link connecting said mast with said ratchet, said mast actuating said link by the relative heaving of said vessels to oscillate said ratchet for actuating said pawl to rotate said drum, and means to transmit the rotation of said gear to said shaft.

2,364,536
METHOD OF PROCESSING CARBON ELECTRODES
Henry A. Kent, Elmhurst, Ill., assignor to General Electric X-Ray Corporation, Chicago, Ill., a corporation of New York
Application August 13, 1943, Serial No. 498,581
10 Claims. (Cl. 316—1)



3. The method of processing a carbon electrode comprising the steps of immersing the electrode in a liquid gas until boiling ceases, and allowing the electrode to return to room temperature in a dry atmosphere.

2,364,537
NURSING BOTTLE HOLDER
Hillard J. Kerth, New Orleans, La.
Application May 31, 1943, Serial No. 489,197
1 Claim. (Cl. 99—359)

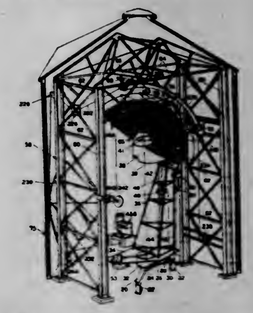


As a new article of manufacture, a unitary device for holding a nursing bottle in a vertical position within and spaced above the bottom of a conventional open-top water-containing cooking vessel for heating the contents of the bottle, comprising a flat circular base having a cylindrical flange integral with and depending from the peripheral edge thereof and provided with a centrally located cylindrical wall of greater diameter than the bottle, said cylindrical wall being integral with and rising from the base, said flange having a plurality of uniformly spaced relatively large notches in its lower edge and said base and said cylindrical wall having a plurality of relatively large openings therethrough, for the circulation of the water.

2,364,538
PREPARATION OF β-ALANINE
Philip M. Kirk, Stamford, and Joseph H. Paden, Glenbrook, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application October 3, 1941, Serial No. 413,570
5 Claims. (Cl. 260—534)

1. The process of producing beta-aminopropionic acid which comprises heating ethylene cyanohydrin with aqueous ammonia at a temperature of from about 180° C. to about 225° C.

2,364,539
CELESTIAL NAVIGATION TRAINER
Edwin A. Link, Binghamton, N. Y.
Application December 28, 1942, Serial No. 470,344
53 Claims. (Cl. 35—12)



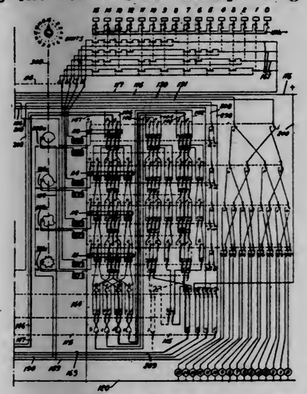
20. In a device for teaching celestial navigation the combination of a supporting means for a student navigator, means for moving said supporting means in simulation of a plane in actual flight, means simulating a portion of the celestial sphere positioned above and movable about said supporting means, said sphere simulating means comprising means visible from said support simulating the celestial bodies, whereby said student navigator may take angle measuring observations under simulated flying conditions to determine an assumed geographical position above the earth's surface, and means for varying the position of said sphere simulating means with respect to said supporting means in simulation of the varying of the position of the real celestial sphere relative to an observer as a result of a change in the latitudinal position of the observer upon the earth.

28. In a device for teaching celestial navigation the combination of means simulating a portion of the celestial sphere, said simulating means comprising at least one source of light visible from within said sphere simulating means, at least one of said sources of light comprising a collimator in order to render all of the rays emanating from said source parallel.

2,364,540
CALCULATING MACHINE
Hans P. Luhn, Armonk, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application October 10, 1942, Serial No. 461,560
27 Claims. (Cl. 235—61)

1. In a machine of the class described, an electrical relay accumulator comprising a plurality of accumulating relays arranged in sets with each set representing a denominational order of the

accumulator, groups of contacts, one group for each relay, adjustable in either a set or unset condition, with numerical values being represented in any denominational order set of relays by a set condition of certain of the related groups of contacts, a plurality of entering relays arranged in sets, one for each of the sets of accumulating relays, groups of contacts, one group for each entering relay, adjustable in either a set or unset condition, with numerical values being represented thereon in the same manner as on the contacts of the accumulating relays, sets of intraorder circuit connections, each set interconnecting the contacts of corresponding order in



accordance with the tables of addition and subtraction, sets of interorder circuit connections, interconnecting the sets of contacts of one order with the sets of contacts of adjacent orders, means for effecting a setting of an amount on the sets of entering relay contacts, said means causing completion of a single circuit path extending through the sets of accumulating relays and their circuit connections and the entering relay contacts to directly effect a setting of the accumulating relays representing the sum or difference of the amount initially therein and the entered amount and means for selectively rendering the circuit connections effective for additive or subtractive action.

2,364,541

HIGH-SPEED BOAT

Vadim S. Makaroff, New York, N. Y.

Application June 22, 1944, Serial No. 541,581
7 Claims. (Cl. 114—66.5)



1. A high speed boat comprising a hull having a step at the bottom extending transversely of the hull, the left and right side portions of the step being at different distances from the front end of the hull.

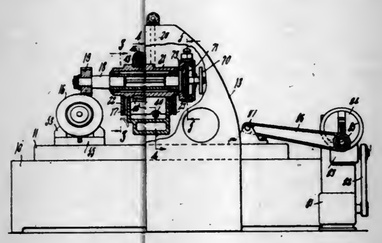
2,364,542

GENERATIVE GRINDING MACHINE WITH ROLLING WORK OR TOOL CARRIER

Edward W. Miller, Springfield, Vt., assignor to The Fellows Gear Shaper Company, Springfield, Vt., a corporation of Vermont

Application April 8, 1942, Serial No. 438,136
29 Claims. (Cl. 51—56)

1. In a machine, a carrier and means for supporting and effecting displacement of said carrier in a given path, comprising a former in rigid connection with the carrier and extending downwardly therefrom having opposite convex bounding faces, both of which are curves generated from the same base circle, abutments tangent to the



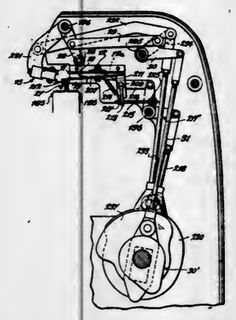
respective opposite faces of the former, said tangent faces of the respective abutments being in mutually intersecting downwardly convergent planes, and means for oscillating the carrier about the center of said base circle.

2,364,543

METHOD OF FORMING SIFTPROOF BAG CLOSURES

Royal T. Moore, Buffalo, N. Y., assignor to Consolidated Packaging Machinery Corporation, Buffalo, N. Y., a corporation of New York

Application October 31, 1941, Serial No. 417,218
4 Claims. (Cl. 93—6)



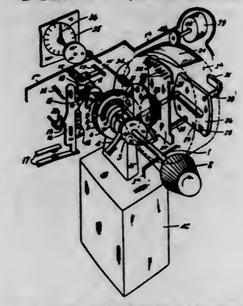
1. In a method of closing a filled bag, the steps of folding and sharply creasing a marginal portion of the collapsed upwardly extending mouth portion upon itself along a line parallel with and closely adjacent to the upper edges thereof to provide a narrow return fold portion, folding said collapsed upwardly extending mouth portion upon itself along a line parallel to the plane of the top of the contents and in a direction opposite to the direction of fold of said return fold portion to thereby bring the line of fold of said return portion adjacent the plane of the top of the contents, then applying pressure to said bag along a line defined by the intersection of the upstanding portion of said mouth and the top plane of the contents to define a fold line, restraining that end of said folded portion containing said return fold portion against unfolding, folding the entire upstanding portion of said mouth along said defined fold line and pressing the mouth against the top of the bag while releasing the end containing the return fold from restraint.

2,364,544

COIN ACTUATED MECHANISM FOR PREPAYMENT MECHANISM

Paul Moos, Neugasse, Zug, Switzerland, assignor to Landis & Gyr, A-G., Zug, Switzerland, a corporation of Switzerland

Application August 18, 1941, Serial No. 407,284
In Switzerland August 20, 1940
4 Claims. (Cl. 194—72)



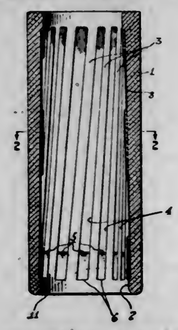
1. In a coin controlled prepayment mechanism of the character described, a control device movable for variable control actions, a rotary drum, a coin operated selector slide, an actuator slide adapted to be set by coin controlled movements of the selector slide for variably operating the control device and movable by the drum for a control action on said control device, locking means for locking the drum and actuator slide from movement and releasing them for movement on the actuation of the setting slide, an energy storing device adapted to be energized for the storage of mechanical energy when the drum is locked from movement for the utilization of such energy to operate the drum when released for movement by the inserted coin, manually operable means including a rotary shaft for energizing the energy storing device after each operating action thereof and resetting the drum and slides for a succeeding operation, a power control switch, a slide governing the opening and closing movements of the switch, and rocker means actuated by the shaft for controlling said slide.

2,364,545

PHONOGRAPH RECORD

James W. Nell, Nutley, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey

Application March 13, 1941, Serial No. 383,147
4 Claims. (Cl. 274—44)



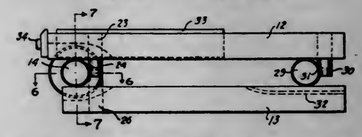
1. A record comprising a body portion composed of metallic soap and diluent of soap and having embedded therein a sized napped reenforcing material, the sizing of said reenforcing material comprising metallic soap and less diluent than that in the composition of said record body portion.

2,364,546

SINE PLATE

Robert Niemi, Plymouth, Mich.

Application October 25, 1943, Serial No. 507,646
7 Claims. (Cl. 33—174)



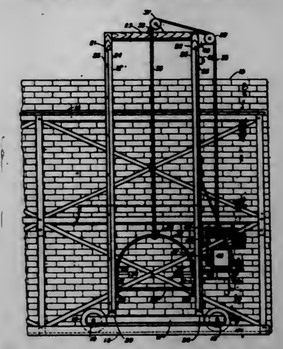
1. In a sine plate, the combination of upper and lower plates, a hinge pin secured to one of said plates, and washers on said hinge pin, said washers being secured to said other plate, said plates having slots adapted to accommodate said washers.

2,364,547

COMBINATION HOIST AND SCAFFOLDING

Harlow R. Olsen, Minneapolis, Minn.

Application December 27, 1943, Serial No. 515,771
8 Claims. (Cl. 304—29)



1. A hoist comprising a frame constituted as a base, spaced apart uprights upon said base, each of said uprights including a forward surface adapted to be slid along scaffolding, supporting wheels upon said base, a platform upon said frame mounted for slidable movement along said uprights, said platform being situated rearwardly of said forward surfaces of said uprights and extending away from one side only of the uprights, and mechanism for causing said platform to be moved longitudinally of said uprights.

2,364,548

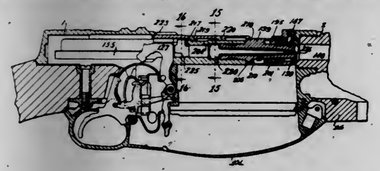
BOLT MECHANISM FOR RIFLES

John D. Pedersen, Jackson, Wyo.

Original application July 29, 1939, Serial No. 287,221. Divided and this application March 13, 1943, Serial No. 478,996
2 Claims. (Cl. 42—16)

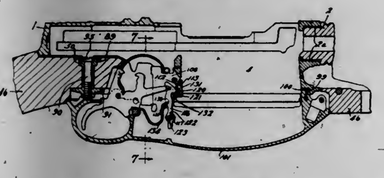
1. The combination with the receiver of a rifle of a breech closure therefor comprising a bolt, a bolt carrier in which said bolt is rotatably mounted, a cover telescopically engaged with said bolt carrier and arranged to be in extended relation thereto when the breech is closed and in collapsed

relation thereto when the breech is open, said bolt carrier being slidably engaged in a way of said receiver at one side thereof by a single lat-



eral rib formed on said bolt carrier and said cover being slidably engaged in a way of said receiver at the other side thereof by a single lateral rib formed on said cover.

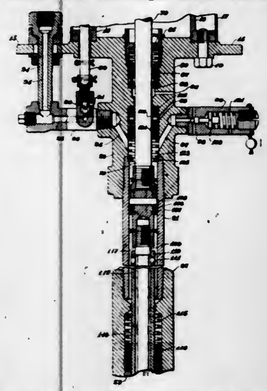
2,364,549
RIFLE, STOCK, RECEIVER, AND TRIGGER GUARD ASSEMBLY
John D. Pedersen, Jackson, Wyo.
Original application July 29, 1939, Serial No. 287,221. Divided and this application March 13, 1943, Serial No. 478,997
4 Claims. (Cl. 42—75)



2. In a rifle in combination, a receiver, a trigber guard, means for detachably mounting said guard on said receiver comprising a tenon and groove connecting means between the receiver and front end of the guard, a pin and socket connecting means between said receiver and an intermediate portion of said guard, an abutment having a fixed relation to said receiver for the rear end of said guard to abut against, a latching connection intermediate the ends of said guard to secure said guard to the receiver, said latching connection being arranged so that when it is engaged a spring tension is imparted to the rear end of said guard against its abutment.

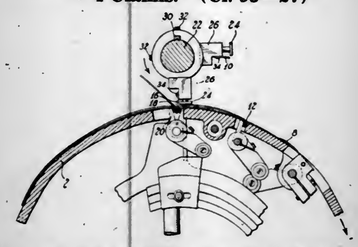
2,364,550
PUMPING DEVICE
James J. Pelouch, Cleveland, Ohio, assignor to The United States Air Compressor Company, a corporation of Ohio
Original application May 6, 1938, Serial No. 206,409. Divided and this application October 16, 1941, Serial No. 415,291
4 Claims. (Cl. 103—195)

1. A fluid pumping device comprising, in combination, differential cylindrical means having a large cylinder portion and a small cylinder portion arranged substantially in straight alignment with each other, said cylindrical means having an intermediate portion which connects the adjacent ends of the large and small cylinder portions together, a differential piston having a large and a small piston means connected together and reciprocally mounted in the cylindrical means, said large cylinder portion having an inlet member removably connected thereto communicating with the large piston means, said inlet member having a check valve to admit fluid to the large cylinder portion, said cylindrical means having an outlet in communication with the intermediate portion thereof, said large piston means comprising a sleeve reciprocally mounted in the large cylinder portion, and valve means operatively associated with one end of the sleeve to open and close same for controlling the flow of the fluid therethrough, said small piston means comprising a plunger having substantially one-half the area of the closed sleeve, means for causing the valve means upon one directional movement of the piston means to close the sleeve and draw fluid into the large cylinder portion and expel fluid out through said outlet, and for



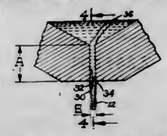
causing the valve means upon the other directional movement of the piston means to open the sleeve and permit the large piston means to be replaced in the fluid of the large cylinder portion, said small piston means upon said latter directional movement expelling fluid out through said outlet, said removable inlet member extending beyond the large cylinder portion, said sleeve and valve means when occupying their position at the end of their travel in said other directional movement extending beyond the end of the large cylindrical portion to afford ready access to said valve means for inspection and cleaning upon removal of the removable inlet member.

2,364,551
PAPER BAG MACHINE
Frank P. Ramsey, Canajoharie, N. Y., assignor to Arkell & Smiths, Canajoharie, N. Y., a corporation of New York
Application March 8, 1943, Serial No. 478,353
4 Claims. (Cl. 93—27)



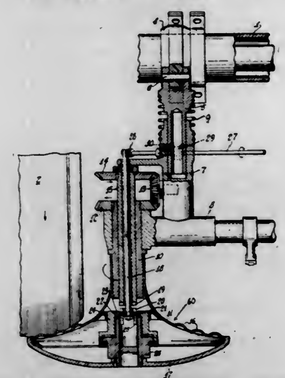
1. In a bag-forming machine of the class described comprising a rotating gripper cylinder for conveying a bag blank on the periphery thereof with one end of the blank opened and flattened preliminary to forming a folded bottom on said end, gripping jaws carried by the cylinder, a tucker blade for engaging the blank on a line transversely of one of the side flaps of said end thereof to tuck said blank between said jaws, said blade retracting from said jaws as the jaws close to grip the blank, the improvement which comprises a clamping device engaging the blank on a transverse line arranged in proximity to and in advance of the line of engagement of the tucker blade to clamp the blank to the periphery of the cylinder during said retracting movement of the tucker blade.

2,364,552
PROCESS AND APPARATUS FOR PRODUCING PELLICLES
Frank H. Reichel, Fredericksburg, Va., assignor to Sylvania Industrial Corporation, Fredericksburg, Va., a corporation of Virginia
Application November 14, 1942, Serial No. 465,565
5 Claims. (Cl. 18—15)



1. The method of forming pellicles from viscose solutions comprising extruding said solution through an extrusion nozzle defined by an elongate orifice having opposing wall surfaces which are parallel at the discharge point of said nozzle, the distance across the entrance of said orifice being at most that of the distance between said walls at the discharge point, the distance between the walls at the discharge point being between 0.004 and 0.02 inch and the depth of the walls being between 0.25 and 0.50 inch, discharging the solution from the orifice in an unbroken stream and coagulating said solution to form an unbroken pellicle, whereby the solution re-unites into an unbroken stream after passing any particle lodged in the orifice.

2,364,553
SIDE ROLLING MECHANISM FOR AUTOMOBILES
Gottlieb Rische, New York, N. Y.
Application September 25, 1942, Serial No. 459,641
17 Claims. (Cl. 180—1)



1. A side rolling mechanism for automobiles having an engine driven running wheel, said mechanism comprising an inverted mushroom like device disposed substantially adjacent to said running wheel and connected with said automobile swingably about an axis substantially parallel to the axis of rotation of said running wheel and adapted to be swung into an operative and into a rest position, said device comprising a driving member rotatable about an axis disposed substantially at right angles to the swing axis of said device and having an outer portion frictionally engaging said running wheel when said device is in operative position, and a driven member disposed coaxially with said driving member and rotatable about the same axis and comprising a substantially convex shaped portion disposed adjacent to and outside of said outer portion of said driving member and engaging the ground when said device is in operative position, and a driving mechanism interconnecting said driving and said driven member, said device, when in operative position, supporting said running wheel and said driving member being rotated by said running wheel under power of the automobile engine and rotating, through said driving mechanism, said driven member and the latter rolling the running wheel sideways, said device, when in rest position, being spaced from said running wheel and from the ground.

2,364,554
DROP BOTTOM DOOR LATCHING EQUIPMENT FOR MINE CARS
Hugh W. Sanford, Knoxville, Tenn.
Application February 26, 1941, Serial No. 380,718
24 Claims. (Cl. 105—286)

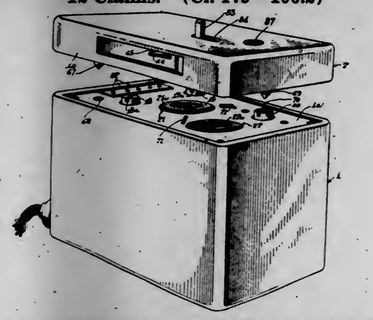


1. In lading hauling and dumping equipment, the combination of a lading carrying vehicle wherein is provided lading supporting and dump door equipment and means including a latch for releasably securing the dump door equipment in lading supporting position, a latch lever for moving the latch to a door equipment releasing position, said lever including a portion normally retracted within the lateral dimensional limits of the vehicle and movable beyond said limits for latch tripping engagement with a tripping means, latch tripping means disposed along the path of travel of the vehicle, and automatically operable means for returning said lever portion to its retracted position after tripping of said latch.

2,364,555
CEMENT COMPOSITION AND METHOD OF MAKING SAME
Edward W. Scripture, Jr., Shaker Heights, Ohio
No Drawing. Application July 17, 1942, Serial No. 451,321
14 Claims. (Cl. 106—90)

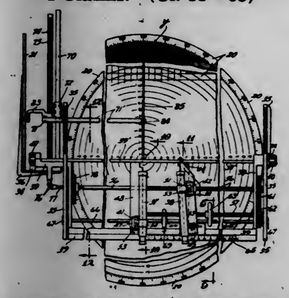
1. In the process of grinding cement clinker, the step which comprises grinding the cement clinker in the presence of a small amount of an aliphatic compound consisting of a carbon-to-carbon chain having at least four carbon atoms and not substantially more than twelve carbon atoms, said compound consisting of carbon hydrogen, at least one hydroxyl group and one member of the group consisting of sulfate, sulfonic acid, sulfonate, halogen, nitro, nitroso and hydroxyl groups.

2,364,556
TELEGRAPHONE
Richard M. Somers, West Orange, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application November 24, 1943, Serial No. 511,759
12 Claims. (Cl. 179—100.2)



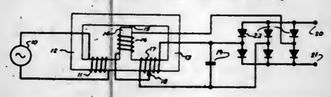
1. In a telegraphone including a main housing, a magnetizable tape, and a translating means mounted in operative relation to said tape and conditionable for coaction selectively with adjacent longitudinally-extending lanes of the tape: the combination of a magazine removably mounted on said housing and including said tape and translating means; control means operable from an initial position into successive positions for conditioning said translating means for coaction with successive lanes of said tape; and a mechanism for placing said control means into said initial position upon replacing a magazine on the housing, said mechanism comprising an operative element on said housing and a cooperating magazine-carried element.

2,364,557
RANGE FINDER
Jesse J. Stevenson, Minneapolis, Minn.
Application October 6, 1941, Serial No. 414,518
4 Claims. (Cl. 33—65)



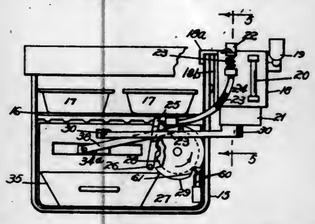
1. In a device of the kind described, a rocking support, means mounting the rocking support for pivotal adjusting movements on a horizontal axis, a primary sighting device mounted on the rocking support and set with its optical axis intersecting the horizontal axis of the rocking support at a right angle thereto, a secondary sighting device mounted on said rocking support for translation thereon toward and from the primary sighting device, said secondary sighting device being set so that its optical axis intersects the optical axis of the primary sighting device and also intersects the horizontal axis of the rocking support, guide means retaining the said setting of the secondary sighting device under lateral translation thereof toward and from the primary sighting device, means mounting said rocking support for rotary adjustments on a vertical axis that intersects the horizontal axis of the rocking support and the optical axis of the primary sighting device, indicator means operatively coupled to the secondary sighting device and responsive to relative translation of the two sighting devices to indicate the distance from the point of intersection of the optical axis of the primary sighting device with horizontal and vertical axes of the rocking support to the point of convergence of the optical axes of the two sighting devices, and indicator means operatively coupled to the rocking support and responsive to pivotal movements thereof on a horizontal axis to indicate the vertical distance from a projected horizontal plane through the horizontal axis of the rocking support to the point of convergence of the optical axes of the two sighting devices.

2,364,558
RECTIFYING ARRANGEMENT
Closman P. Stocker, Lorain, Ohio, assignor of one-half to E. M. Heavens
Application May 6, 1943, Serial No. 485,836
21 Claims. (Cl. 175—363)



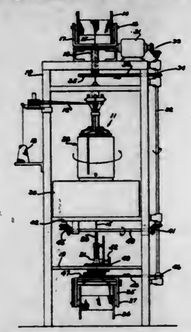
1. A rectifying arrangement, comprising in combination a polyphase rectifier; a leakage reactance type transformer and a capacitor, said transformer having a plurality of windings one of which is adapted to be connected across a source of single phase alternating current, another of said plurality of windings being connected in parallel with the capacitor, and circuit means for connecting at least two of said plurality of windings to said polyphase rectifiers, said transformer having a main flux path with a saturable portion and a leakage flux path magnetically disposed in parallel with the saturable portion, said capacitor supplying at least a part of the magnetizing current for the said saturable portion.

2,364,559
ICE-PRODUCING MECHANISM
Richard M. Storer, Denver, Colo.
Application July 22, 1941, Serial No. 403,524
28 Claims. (Cl. 62—105)



1. Apparatus of the character disclosed comprising a tray for liquid to be frozen, means for introducing a predetermined amount of liquid into the tray, means within the tray for removing ice therefrom, and means actuated by expansion of the liquid being frozen in the tray for initiating operation of said liquid-introducing means and said ice-removal means.

2,364,560
METHOD OF AND APPARATUS FOR MAKING FABRIC COVERED CORES
Clyde N. Stover, Towson, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application October 30, 1941, Serial No. 417,102
7 Claims. (Cl. 66—9)



1. A method of applying a knitted covering to a conductor which comprises drawing a conductor through a knitting head, and causing simultaneous rotation of the knitting head needle cylinder and the conductor at different speeds while maintaining the thread supply stationary to produce a fabric in which the courses and wales spiral around the conductor in opposite directions.

2,364,561
COVERED CORE
Clyde N. Stover, Towson, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Original application October 30, 1941, Serial No. 417,102. Divided and this application March 28, 1942, Serial No. 436,662
6 Claims. (Cl. 174—124)



1. A flexible core and covering comprising a conductor having a knitted fabric covering in which the courses and wales spiral around the conductor in opposite hands.

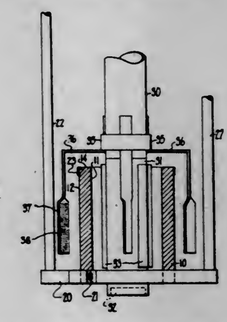
2,364,562
PREPARATION OF CATALYSTS
Vernon Monroe Stowe, Petersburg, Va., assignor to The Solvay Process Company, New York, N. Y., a corporation of New York
No Drawing. Application December 29, 1938, Serial No. 248,308
4 Claims. (Cl. 252—236)

1. In the manufacture of catalysts adapted for use in the production of hydrogen by the reaction of carbon monoxide and steam and comprising iron oxide and containing chromium and alkali metal compounds, the improvement which comprises adding chromic acid anhydride to furnish at least a part of the chromium content of the catalyst, in such proportion that the finished catalyst will contain at least 1.5 gram atoms of chromium per gram atom of alkali metal.

2,364,563
KERATITIC MEDICAMENT
John B. Stribling, Rotan, Tex.
No Drawing. Application September 25, 1941, Serial No. 412,283
4 Claims. (Cl. 167—53.2)

1. A keratitic medicament composition comprising a water soluble sodium sulphathiazole, a water soluble azosulfamide indicator, and a powdered charcoal diluent.

2,364,564
APPARATUS FOR ELECTROPLATING
Randolph L. Strickland and Harold Zemon, Detroit, Mich., assignors to Detroit Aluminum and Brass Corp., Detroit, Mich., a corporation of Michigan
Application March 13, 1943, Serial No. 479,030
1 Claim. (Cl. 204—272)

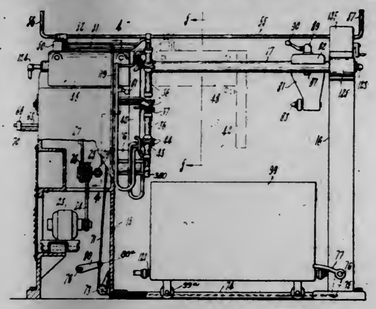


Apparatus for electroplating the inside and outside of a tube simultaneously comprising a tube support and an anode assembly, the tube support being of a character to leave exposed the surfaces of the tube to be plated, the anode assembly consisting of a body whose lower end is adapted to be disposed within the upper end of the tube, and supplementary elements secured at the upper end only to said body at a point above the tube and adapted to be disposed around the upper end of the tube outside of it, the anode assembly moving as a unit during the positioning of the tube and the anode assembly for plating.

2,364,565
APPARATUS FOR LOCALLY HARDENING GEARS, SHAFTS, ETC.
Everard Stubbs, Springfield, Vt., assignor to The Fellows Gear Shaper Company, Springfield, Vt., a corporation of Vermont
Application November 10, 1939, Serial No. 303,814
7 Claims. (Cl. 266—4)

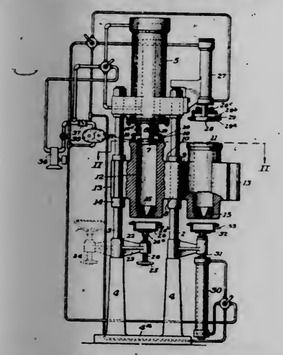
1. A machine for heat treating metal articles comprising a column, a shaft mounted to rotate in said column and having means for supporting and rotating articles to be heat treated, flame projecting equipment supported by the column in position to direct flames against an article sup-

ported by the shaft, a chambered face plate surrounding the axis of the shaft in a location be-



tween the flame equipment and the column, and connections for circulation of cooling fluid through the chamber of said face plate.

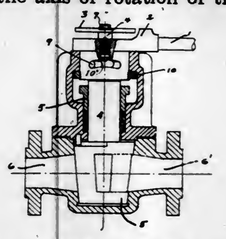
2,364,566
EXTRUDING PRESS
Semon H. Stupakoff, Latrobe, and Rawson E. Stark, Greensburg, Pa., assignors to Stupakoff Ceramic & Manufacturing Company, Latrobe, Pa., a corporation of Pennsylvania
Application September 5, 1942, Serial No. 457,416
10 Claims. (Cl. 25—16)



1. Apparatus for extruding ceramic and the like mixes comprising a press having a charge holding cylinder and a ram operable in the cylinder for forcing ceramic material from one end of the cylinder, and means at each end of the cylinder movable into and out of engagement with that end of the cylinder adjacent which it is located for withdrawing air from the charge within the cylinder, said means having a sealing surface thereon for contacting the end of the cylinder with which it cooperates.

2,364,567
LIFTING, TURNING, AND SEATING DEVICE FOR PLUG VALVES
Thomas F. Sykes, Jr., Drexel Hill, Pa.
Application October 14, 1942, Serial No. 462,056
1 Claim. (Cl. 251—97)

In a valve mechanism, a casing having fluid passages and a tapered seat intersecting said passages, a tapered plug having ports to cooperate with said passages and mounted in said seat for rotation between operative positions and for limited axial movement, means to limit rotation of the plug to said positions, an operating stem extending from said plug, a sleeve rotatably mounted on said casing and surrounding said stem, a slot in said sleeve, the intermediate portion of said slot being in the direction of a plane normal to the axis of rotation of the sleeve, the



end portions of said slot being inclined in the direction of the taper toward the smaller end of said plug, a transverse pin in said stem extending into said slot, a spring pressed plunger carried by said sleeve and extending into the intermediate portion of said slot in a position to be engaged by said pin, and means for rotating said sleeve.

2,364,568
TEMPORARY SHOULDER CAPE
James A. Tiscornia, San Jose, Calif.
Application June 2, 1942, Serial No. 445,439
2 Claims. (Cl. 2—50)

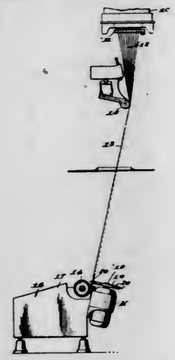


1. A body blank for forming a shoulder cape, comprising a flat body member flexible throughout its body and arcuate in circumference, said body blank having centrally thereof an ovoidal opening for encircling the neck of a wearer and having a slot opening communicating with said neck opening and extending radially therefrom to the periphery of the body blank providing opposed radial edges of the body blank, the said flexible body blank having adjacent its periphery a scored line defining a peripheral strip thereof, said peripheral strip being of flexible material and bent inwardly to overlie the plane of the body blank and having spaced flatly overlapping folds in its inturned edge portion whereby a plurality of the capes may be stacked in superficial contact throughout their area while flat, and whereby an upstanding peripheral gutter is provided circumferentially of the flexible body when the body is conically adjusted by overlapping the said opposed radial edge portions.

2,364,569
HIGH-SPEED TRAVERSING MEANS
John H. Thomas, Perrysburg, and Ed Fletcher, Newark, Ohio, assignors to Owens-Corning Fiberglas Corporation, a corporation of Delaware
Application August 31, 1939, Serial No. 292,754
8 Claims. (Cl. 242—43)

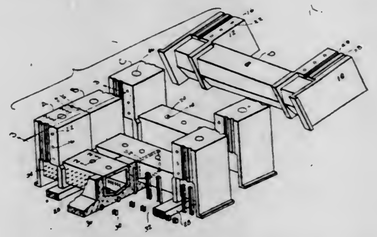
1. Winding mechanism comprising in combination, means for rotating a packaging spool about an axis to wind a strand thereon, a stationary guide for the strand at a point widely

removed from the spool and from which the strand is fed to the spool, said guide being positioned with respect to the spool to cause the strand to approach the spool at an acute angle to the spool axis, a traversing disk including a series of relatively fixed pins secured to the disk and projecting outwardly beyond the periphery



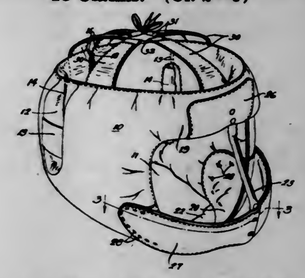
thereof, means for rotating the disk about an axis so positioned and oriented with respect to the spool and guide that the ends of the pins intercept the plane of the strand which is tangential to the spool at spaced points in proximity to the spool to traverse the strand along the spool in one direction and release the strand at the end of the traversing movement.

2,364,570
UNDERWATER CONSTRUCTION
Gerald H. Tumolillo, Philadelphia, Pa.
Application August 10, 1942, Serial No. 454,341
13 Claims. (Cl. 61—64)



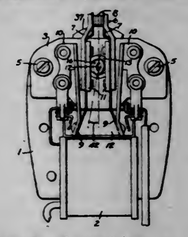
1. A dry dock construction comprising a plurality of foundation strips laid upon and anchored to the ocean floor and extending longitudinally of said dry dock construction, relatively low and relatively high pilings extending upwardly from the ocean floor between said foundation strips, premolded units each comprising vertical end portions and a horizontal section interconnecting the lower portions of said end portions, said horizontal portions of each of said units being narrower than the end portions and resting transversely upon said foundation strips with said piling projecting between adjacent sections and an anchoring mass of concrete engaging said foundation strips, said relatively low and said relatively high pilings and enveloping the vertical sides and bottom of each of said horizontal portions.

2,364,571
BOXER'S HELMET
Archibald J. Turner, Chicago, Ill., assignor to Wilson Athletic Goods Mfg. Co., Inc., Chicago, Ill., a corporation of Delaware
Application October 8, 1943, Serial No. 505,426
15 Claims. (Cl. 2—9)



15. In a boxer's helmet, a padded side wall structure adapted to embrace the head of the wearer and to cover the sides and front except at vertically elongated ear openings and a horizontally elongated face opening, an adjustable upper supporting structure for said side walls, comprising a plurality of radially extending flexible members having their ends adjustably joined by a sliding drawstring, and a guard structure for the nose and front of the helmet, comprising a relatively stiff metallic bridge member extending upwardly and backwardly over the nose, said bridge member having at its upper end a relatively stiff curved member secured thereto and secured to the padded structure at the forehead of the wearer, said bridge member having at its lower end a relatively long, curved, stiff, and flat member secured thereto and secured to the lower part of the padded structure and extending backwardly along the jaws of the wearer, said padded structure being provided at its rear with means for adjustably drawing it into fitting position on the head of the wearer, said padded structure being provided at the upper end of said elongated ear apertures with an upwardly extending channel for escape of air from the recess formed by said apertures when impacted by a glove.

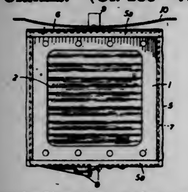
2,364,572
METHOD OF MAKING ELECTROMAGNETIC IMPULSE MOTORS
Harry E. Upham, Bridgeport, Conn., assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware
Original application October 17, 1942, Serial No. 462,383. Divided and this application May 22, 1943, Serial No. 488,051
3 Claims. (Cl. 29—155.53)



1. The method of making a rotor shaft for small electric motors which comprises forming an axial bore in a portion of one end of a solid cylindrical metal shaft of small diameter, removing

a segment from the central portion of said shaft to form a flat positioning face, and deforming said end portion partially into the space formed by said bore while using said positioning face in holding said shaft in a predetermined position to form an external elliptical contact operating cam surface thereon having a major axis of a length not exceeding the shaft diameter in predetermined angular relation to said positioning face.

2,364,573
FILTER
Cecil Gordon Vokes, London, England
Application November 20, 1942, Serial No. 466,309
In Great Britain November 19, 1941
2 Claims. (Cl. 183—71)



1. A filter including a casing with inlet and outlet connections, a filtering assembly including a box-like panel to be passed into the casing between said inlet and outlet connections, a filtering screen in said panel, a relatively thick sealing padding secured around the outer surface of the panel, said padding extending beyond the filtering inlet and outlet surfaces of the panel to provide bendable sealing sections to overlie the cooperative edges of the casing when the panel is inserted to seal such edges, means for clamping such sealing sections in sealing relation to the casing following insertion of the panel in the casing, a cover secured to one end of the panel to overlie the padding, and a band secured to the cover and extending therefrom to surround the panel beyond the cover to overlie the padding.

2,364,574
BLANKING AND PUNCHING APPARATUS
George F. Wales, Kenmore, N. Y.
Application August 13, 1943, Serial No. 498,453
36 Claims. (Cl. 164—13)



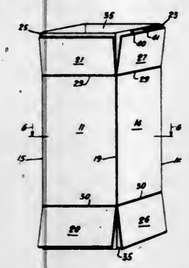
1. An apparatus for cutting blanks from sheets comprising accurately formed locating apertures in a pair of mounting plates and in a punch holder and die shoe of a die set to enable said plates to be accurately positioned on said die set, the apertures in the punch holder of said die set each being in axial alinement with an aperture in the die shoe, a blanking die element secured to one of said mounting plates, a blanking punch element secured to the other plate in such positions that the punch and die are in correct relation to each other when said locating apertures of the mounting plates are in axial alinement and a plurality of individual stripper units on said mounting plates adjacent to the cutting edges of said punch and die elements, means for alining said locating apertures in said plates with their respective apertures in said die set and means for securing said plates to said die set.

2,364,575
SOAP PACKAGE AND METHOD OF MAKING SAME
Frederick J. Warren, Newton, Mass., assignor to The Warren Soap Manufacturing Company, Inc., Cambridge, Mass., a corporation of Massachusetts
Application May 10, 1941, Serial No. 392,926
2 Claims. (Cl. 229—53)



1. A paper bag for packaging melted soap and the like, said bag having lines of stitching forming ribs on the inner surface thereof to indent the contents of the bag.

2,364,576
SIFTPROOF PACKAGE AND SIDE SEAM THEREFOR
Harry F. Waters, New York, N. Y.
Application September 25, 1942, Serial No. 459,667
3 Claims. (Cl. 229—14)

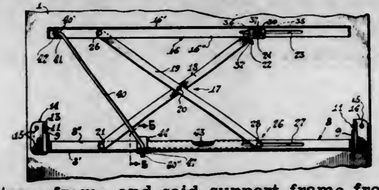


1. A flat-folded lined carton comprising a four-panel carton blank having a locking panel, a pair of main panels and a pair of side panels, a flexible sheet of material adhesively secured to said blank in the main panel areas, said blank and said flexible sheet being cofolded so that the free marginal edges of said sheet parallel with the common fold line will extend over the edge of said locking panel and unsecured thereto, the locking panel and cooperating side panel being secured together at the edge of the side panel leaving the interposed edge layers of the liner free to move upon movement of the carton blank.

2,364,577
CRIB
Charles E. Webb, New London, Wis., assignor to Edison Wood Products, Incorporated, West Orange, N. J., a corporation of New Jersey
Application November 18, 1941, Serial No. 419,537
14 Claims. (Cl. 5—11)

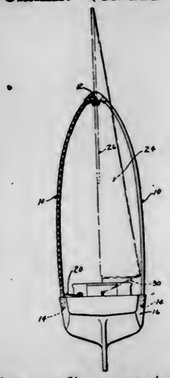
14. An adjustable supporting and stabilizing mechanism for the mattress frame of a crib, comprising a lower support frame on the crib; a pair of scissors mechanisms connecting said mattress frame to said support frame and adjustable to raise and lower the mattress frame to different

elevations; and stabilizing means for said mattress frame connected diagonally between the



mattress frame and said support frame from a side member of one frame to an end member of the other frame.

2,364,578
SAILBOAT
Leighton A. Wilkie, Des Plaines, Ill.
Application May 17, 1943, Serial No. 487,300
2 Claims. (Cl. 114—90)



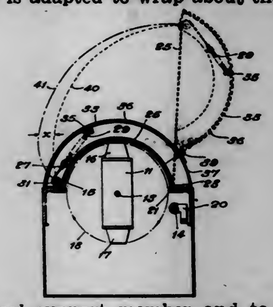
1. In a sailing craft: a mast comprised of two upright members extending upwardly from opposite sides of the craft, said members being bowed inwardly at their upper ends; a union member securing the upper ends of the upright members together; a sail; a pulley carried by said union member, at least one of said upright members and said union member being hollow; a clamp secured to the upper forward edge of the sail; and a control rope secured to said clamp and passing over said pulley through an opening in the union member and thence through said hollow upright to the deck of the craft.

2,364,579
HOG CHOLERA VACCINE
Ralph W. G. Wyckoff, Suffern, N. Y., assignor to Lederle Laboratories, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application November 12, 1941, Serial No. 418,839
4 Claims. (Cl. 167—80)

1. A hog cholera vaccine comprising hog cholera virus associated with hydrous aluminum oxide and an aqueous fluid in such an amount that part of the hog cholera virus is adsorbed onto the aluminum hydroxide, the rest being free in the liquid.

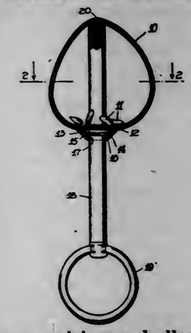
2,364,580
FACSIMILE APPARATUS
Charles J. Young, Ardmore, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application July 14, 1942, Serial No. 450,855
1 Claim. (Cl. 178—7.6)

A scanning device comprising a partially-cylindrical transparent support surface for supporting on its external surface area a record subject to be scanned, a scanning element adapted to be moved internally of the support member for scanning the supported record subject, a pliant wrapper member secured at one of its ends to substantially one edge portion of the said partially-cylindrical support member, a cover member for housing the said partially-cylindrical support and the said wrapper member, means for securing the opposite end of said wrapper member to the cover portion of said housing so that when the cover portion is closed the said wrapper member is adapted to wrap about the partially-



cylindrical support member and to cover substantially the entire area thereof, said fastening means to said housing comprising a resilient means whereby the pliant wrapper member may be tightened over the outer surface of the said record support member, and a cover hinge means supported externally of the outer surface of the said partially-cylindrical support member for hinging the said cover, said hinge being located in a position such that the wrapper member is substantially tangent to the partially-cylindrical support member when the housing is open, and so located that opening of the housing will result in a minimum variation in length of the wrapper member between open and closed positions of the said cover member.

2,364,581
RATTLE
Arthur Zadek, New York, N. Y., assignor to Zadek-Feldstein Co., Inc., New York, N. Y., a corporation of New York
Application February 17, 1942, Serial No. 431,190
2 Claims. (Cl. 46—193)



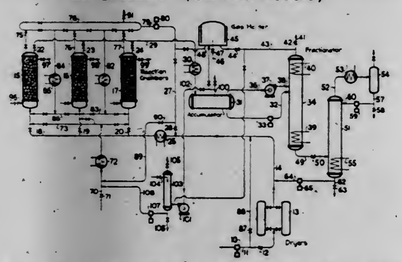
1. A rattle comprising a hollow gourd which has been dried to a hard shell containing loose seeds, said shell being provided with an opening, an axially bored socket comprising an externally threaded portion to screw into the opening and a

flange to abut the surface of the shell, a handle comprising a rod projecting through the bore of said socket, said bore being provided with an enlarged portion embracing the rod, and an adhesive in said enlarged portion to attach the rod permanently to the shell.

2,364,582
PROCESS FOR REMOVING ACIDS FROM HYDROCARBONS
Orris L. Davis and Alan C. Nixon, Oakland, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application July 17, 1942, Serial No. 451,376
16 Claims. (Cl. 196—30)

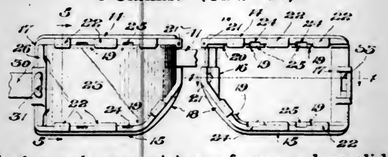
1. In the process of extracting weak acids normally associated with hydrocarbons from gasolines containing them and being substantially free from acid-sulfuric acid derivatives with an aqueous alkaline solution, the improvement comprising extracting said hydrocarbons with said aqueous solution containing thoroughly dispersed a small amount of a mixture of two agents: (1) a water-soluble surface active alkali metal salt of an acid selected from the group consisting of organic sulfonic acids and sulfate ester acids, which acids are free from carboxyl radicals and (2) a mineral oil having a boiling range between about 400 and about 900° F.

2,364,583
CATALYTIC CONVERSIONS
Martin de Simó, Chicago, Ill., and Harry A. Cheney, Oakland, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application October 19, 1943, Serial No. 506,910
11 Claims. (Cl. 260—683.5)



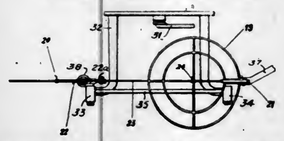
1. In a hydrocarbon isomerization process wherein a plurality of elongated beds of catalyst comprising anhydrous aluminum chloride and an adsorptive alumina are used to carry out simultaneously and alternately a hydrocarbon isomerization and a catalyst regeneration, said catalyst regeneration comprising the successive steps of recovering the adsorptive alumina in situ and reimpregnating the recovered adsorptive alumina with fresh aluminum chloride, the combination of steps which comprises passing a vaporized saturated isomerizable hydrocarbon under isomerizing conditions through one of said catalyst beds containing active catalyst, passing superheated water vapor through a bed of said catalyst which has been at least partly spent during a previous isomerization operation of the process cycle, thereby causing aluminum chloride and water vapor to react with the formation of anhydrous hydrogen chloride, and admixing the resulting anhydrous hydrogen chloride with the isomerizable hydrocarbon passed to said bed of active catalyst material.

2,364,584
GOGGLE
Robert Malcom, Chicago, Ill., assignor to Chicago Eye Shield Company, a corporation of Illinois
Application November 22, 1941, Serial No. 420,151
5 Claims. (Cl. 2—14)



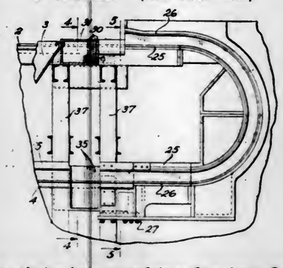
5. A goggle comprising a frame, a lens slidable into and out of said frame, a latch bodily movable substantially in the same plane as said lens toward and from an edge thereof, and an elongated flexible article connected with said latch and operable to pull the latter toward and to hold it against said edge.

2,364,585
AIMING DEVICE FOR AUTOMATIC GUNS
Walter Meyer, Zurich, Switzerland
Application May 27, 1941, Serial No. 395,461
In Switzerland May 22, 1940
4 Claims. (Cl. 33—53)



1. Sighting mechanism for guns comprising: a bead member forming the rear sight, a ring member forming the front sight, means for supporting said members on the gun in sighting relation thereto, means maintaining said ring member substantially horizontal irrespective of the angle of elevation of the gun, and a straight rod extending through said bead member and the center of said ring member, said rod being slidable in one of said sighting members.

2,364,586
SINTERING MACHINE
Milton F. Morgan, Shaker Heights, Ohio, assignor to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey
Application February 13, 1942, Serial No. 430,710
5 Claims. (Cl. 266—21)



1. In a sintering machine having fixed upper and lower runs, a curved end run connecting said upper and lower runs, and means for propelling pallets around said curved end run from the lower run to the upper run, means for preventing breakage of the pallets and compensating for

wear on the ends of the pallets, said means comprising a curved discharge end run adjustably movable toward and away from the adjacent ends of said upper and lower run, and fillers in the space between the ends of the fixed upper and lower runs and the curved discharge end run.

2,364,587
STABILIZATION OF HALOBUTENES
Rupert C. Morris, Berkeley, and Edward C. Shokal, Oakland, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application February 8, 1943, Serial No. 475,209
9 Claims. (Cl. 260—652.5)

9. A composition of matter comprising a halobutene containing a halogen atom linked to an unsaturated carbon atom and a stabilizing quantity of a lime slurry.

2,364,588
STABILIZATION OF HALOBUTENES
Rupert C. Morris, Berkeley, and Edward C. Shokal, Oakland, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application April 19, 1943, Serial No. 483,706
16 Claims. (Cl. 260—652.5)

16. A composition of matter comprising a halobutene containing a halogen atom linked to an unsaturated carbon atom and a stabilizing amount of an epoxide compound.

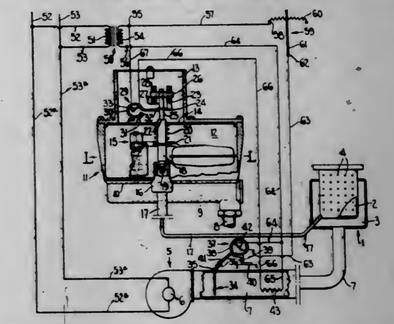
2,364,589
RUBBER HALIDE PLASTICS
James Wallace Raynolds and Milton R. Radcliffe, Easton, Pa., assignors to The Raolin Corporation, New York, N. Y., a corporation of West Virginia
No Drawing. Application October 8, 1941, Serial No. 414,219
11 Claims. (Cl. 260—4)

1. A composition for making chemically resistant coating films and massive bodies comprising at least 55% chlorinated rubber and a polymerization product of an ester of the class consisting of the methyl, ethyl, propyl and the methoxy and ethoxy substituted methyl, ethyl and propyl esters of methacrylic and acrylic acid in an amount of about 5 to 30%, the proportions being based on the total weight of the plastic mass and adding up to 100%, said composition being in homogeneous admixture and characterized by exhibiting, in films or masses made therefrom, high resistance to inorganic reagents and to mineral and vegetable oils, alcohols and organic acids.

2,364,590
STARCH SIZE
Herman H. Schopmeyer, Hammond, Ind., and Herbert A. Kaufmann, Pelham Manor, N. Y., assignors to American Maize-Products Company, a corporation of Maine
No Drawing. Application April 8, 1942, Serial No. 438,210
4 Claims. (Cl. 195—24)

1. The method of making an enzyme thinned starch size which comprises intimately mixing a cereal starch with an initial portion of starch liquefying enzyme representing less than half of the total enzyme required for thinning, establishing the pH of the resulting mixture at about 6.0 to 7.5, aging the mixture for at least two days at a temperature not substantially about 130° F., then adding the remainder of the enzyme required, suspending the resulting mixture in water, warming the suspension at the elevated temperature of rapid enzyme action on the starch, and continuing the warming until the desired enzyme thinning is obtained, the temperature of the mixture after adding the initial portion of the enzyme being maintained at all times below the temperature of inactivation of the enzyme until after adding the remainder of the enzyme and warming to obtain the said desired enzyme thinning.

2,364,591
CONTROLLING MEANS
John L. Stoughton and Walter S. Landon, Detroit, Mich., assignors to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Application February 11, 1942, Serial No. 430,428
13 Claims. (Cl. 158—28)



1. In an apparatus of the character described, a fluid fuel burner, means controlling the supply to said burner of a combustion supporting fluid medium, electric resistance means positioned in the path of flow of at least a portion of the fluid medium and having its resistance responsive to the cooling effect caused by the flow of the fluid medium, fuel supply controlling means for said burner, heat operated means for actuating said fuel supply controlling means, and electric heating means heated in accordance with the resistance of said electric resistance means and controlling said heat operated means thereby to actuate said last-named controlling means in proportion to the cooling effect of the fluid medium flow.

2,364,592
DIPPING COATING FOR FROZEN CONFECTIONERY PRODUCTS
Norman M. Thomas, Medford Lakes, and Norman H. Thomas, South Orange, N. J., assignors to Joe Lowe Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application October 27, 1942, Serial No. 463,540
2 Claims. (Cl. 99—137)

1. A boiled viscous liquid dipping coating base for frozen confectionery products which is substantially devoid of free fats composed of by weight two parts of a food containing starch, sixteen parts of sugar, one part of malt powder, twelve parts of dried skimmed milk powder, and sixty-nine parts of water, having as an essential

characteristic the property of remaining in liquid form at all temperatures above freezing, and a further essential characteristic of forming a firm, non-sticky coating that will not chip, crack or flake off the surface of frozen confectionery products when applied thereto at normal ice cream temperatures.

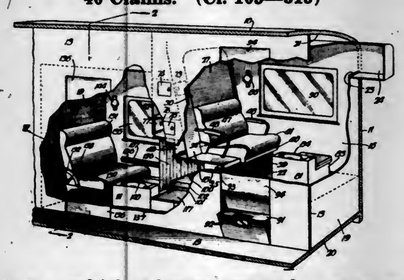
2,364,593
N,N'-DIARYLAMIDINES
Jack T. Thurston, Riverside, and Daniel E. Nagy, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application September 8, 1943, Serial No. 501,562
7 Claims. (Cl. 260—564)

1. A method of preparing N,N'-diarylamidines which comprises the step of mixing a primary aromatic amine, a carboxylic acyl dicyandiamide and an acid having a dissociation constant of at least 1×10^{-5}.

2,364,594
PREPARATION OF ACID SALTS OF GUANYLTHIOUREA
Jack T. Thurston, Riverside, and Russell L. Sperry, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application November 10, 1943, Serial No. 509,786
5 Claims. (Cl. 260—552)

1. A method of preparing acid salts of guanylthiourea which comprises heating together 2-thio-4,6-diamino-1,3,5-thiadiazine, water and an acid having a dissociation constant of at least 1×10^{-4} until a guanylthiourea acid salt has been formed.

2,364,595
RAILWAY SLEEPING CAR
James K. Tully, Evanston, and Basil E. Jones, Flossmoor, Ill., assignors to The Pullman Company, Chicago, Ill., a corporation of Illinois
Application March 22, 1941, Serial No. 384,681
40 Claims. (Cl. 105—315)

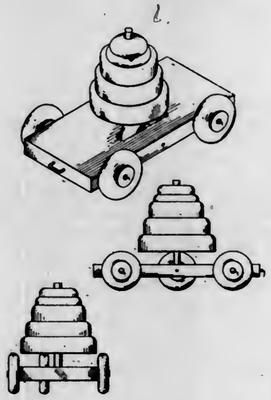


1. In a vehicle, a lower room and an upper room having its floor at a level higher than the floor of the lower room and wholly displaced longitudinally of the vehicle from the normally usable space of the lower room, a bed in the upper room retractable for daytime use of the room and wholly displaced longitudinally of the vehicle from the standing and seating area of the lower room, a bed in the lower room under the bed of the upper room retractable for daytime use of the room and disposed adjacent to the floor of the upper room in retracted position, each of said beds when disposed in operative position having its longitudinal axis disposed longitudinally of the vehicle and extending substantially full length of the respective rooms, a separate storage space beneath the upper room accessible to the lower room, and a separate storage space above the level of the lower room accessible to the upper room.

DESIGNS

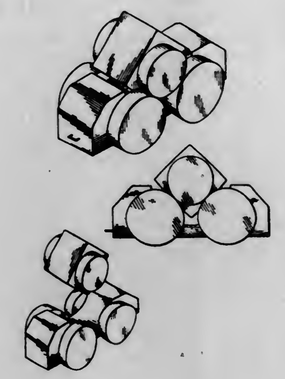
DECEMBER 5, 1944

139,591
DESIGN FOR A WHEELED TOY
Eugene M. Belknap, Toledo, Ohio
Application September 23, 1944, Serial No. 115,425
Term of patent 14 years
(Cl. D34—15)



The ornamental design for a wheeled toy, substantially as shown.

139,592
DESIGN FOR A WHEELED TOY
Eugene M. Belknap, Toledo, Ohio
Application September 23, 1944, Serial No. 115,426
Term of patent 14 years
(Cl. D34—15)



The ornamental design for a wheeled toy, substantially as shown.

139,593
DESIGN FOR A DOLL
Althea J. Bressler, Glassboro, N. J., assignor of one-half to Charles B. Kain
Application July 31, 1944, Serial No. 114,654
Term of patent 14 years
(Cl. D34—4)



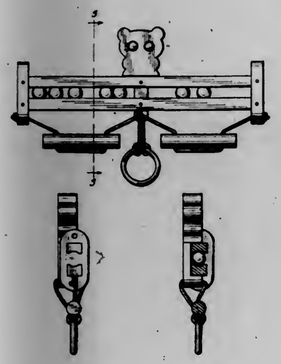
The ornamental design for a doll, substantially as shown.

139,594
DESIGN FOR A DOLL OR SIMILAR ARTICLE
Rose Albert Gudt, New York, N. Y.
Application February 11, 1944, Serial No. 112.535
Term of patent 3½ years
(Cl. D34—4)



The ornamental design for a doll or similar article, substantially as shown and described.

139,595
DESIGN FOR A CRADLE TOY
Eoina Nudelman, Chicago, Ill.
Application August 12, 1944, Serial No. 114,856.
Term of patent 7 years
(Cl. D34—15)



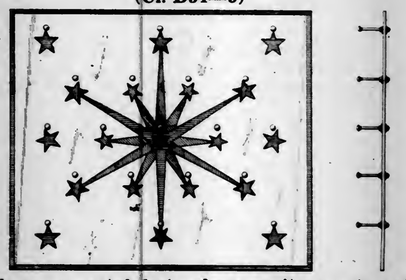
The ornamental design for a cradle toy, as shown.

139,596
DESIGN FOR A WATCH BAND
Robert H. Preas, Vernal, Utah
Application September 27, 1944, Serial No. 115,483
Term of patent 14 years
(Cl. D45—4)



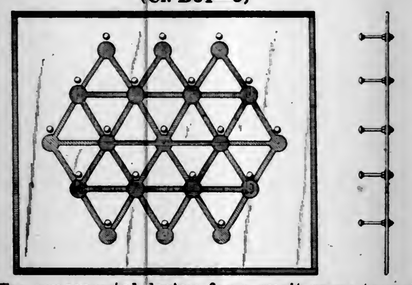
The ornamental design for a watch band, substantially as shown.

139,597
DESIGN FOR A QUOIT GAME TARGET
Edward G. Schumacher, Buffalo, N. Y.
Application August 23, 1944, Serial No. 114,979
Term of patent 14 years
(Cl. D34—5)



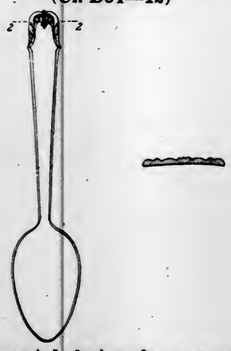
The ornamental design for a quoit game target, as shown.

139,598
DESIGN FOR A QUOIT GAME TARGET
Edward G. Schumacher, Buffalo, N. Y.
Application August 24, 1944, Serial No. 115,005
Term of patent 14 years
(Cl. D34—5)



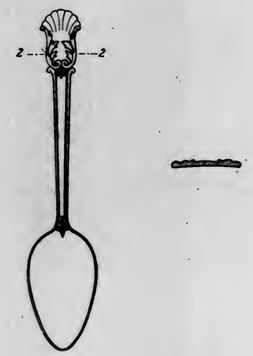
The ornamental design for a quoit game target, as shown.

139,599
DESIGN FOR A SPOON OR OTHER ARTICLE OF FLATWARE
John Brokate, Meriden, Conn., assignor to National Silver Company, New York, N. Y., a corporation of New York
Application September 9, 1944, Serial No. 115,237
Term of patent 14 years
(Cl. D54—12)



The ornamental design for a spoon or other article of flatware, as shown.

139,600
DESIGN FOR A SPOON OR OTHER ARTICLE OF FLATWARE
John Brokate, Meriden, Conn., assignor to National Silver Company, New York, N. Y., a corporation of New York
Application September 9, 1944, Serial No. 115,238
Term of patent 14 years
(Cl. D54—12)



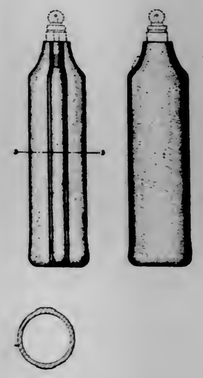
The ornamental design for a spoon or other article of flatware, as shown.

139,601
DESIGN FOR A SLIPPER
Bessie Casso, Boston, Mass., assignor to Matilda Silver, doing business as Sufix Manufacturing Co., Boston, Mass.
Application October 14, 1944, Serial No. 115,766
Term of patent 7 years
(Cl. D7—7)



The ornamental design for a slipper, substantially as shown.

139,602
DESIGN FOR A DIAGNOSTIC INSTRUMENT
Charles A. Ellis, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application September 11, 1944, Serial No. 115,256
Term of patent 14 years
(Cl. D83—12)



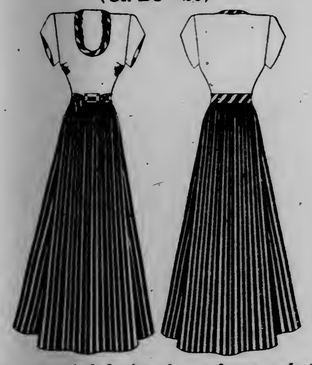
The ornamental design for a diagnostic instrument, substantially as shown and described.

139,603
DESIGN FOR A DRESS
Josephine Frazita, New York, N. Y.
Application October 30, 1944, Serial No. 116,038
Term of patent 3½ years
(Cl. D3—26)



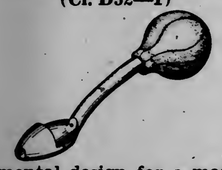
The ornamental design for a dress, substantially as shown.

139,604
DESIGN FOR A DRESS
Josephine Frazita, New York, N. Y.
Application October 30, 1944, Serial No. 116,039
Term of patent 3½ years
(Cl. D3—26)



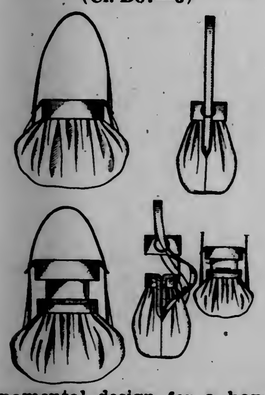
The ornamental design for a dress, substantially as shown.

139,605
DESIGN FOR A MEDICINE SPOON
Leon Fuchs, St. Louis, Mo.
Application March 13, 1944, Serial No. 112,882
Term of patent 14 years
(Cl. D52—1)



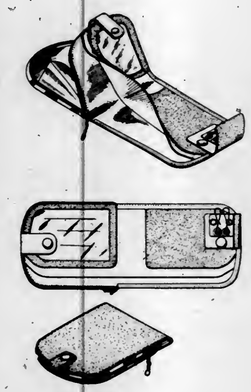
The ornamental design for a medicine spoon, as shown.

139,606
DESIGN FOR A HANDBAG
James Goldberg, New York, N. Y.
Application October 14, 1944, Serial No. 115,780
Term of patent 3½ years
(Cl. D87—3)



The ornamental design for a handbag, substantially as shown.

139,607
DESIGN FOR A COMBINED BILLFOLD, CHANGE PURSE, AND KEY HOLDER
Leon Halber, New York, N. Y., assignor to Haldee Leather Products Co., Inc., New York, N. Y., a corporation of New York
Application August 30, 1944, Serial No. 115,124
Term of patent 14 years
(Cl. D87—3)



The ornamental design for a combined billfold, change purse, and key holder, substantially as shown.

139,608
DESIGN FOR A COMBINED CUTLERY GRINDER FAN, GUIDE, AND WHETTING DISK
Alfred M. Jacobson, Houston, Tex.
Application August 11, 1944, Serial No. 114,844
Term of patent 14 years
(Cl. D37—1)



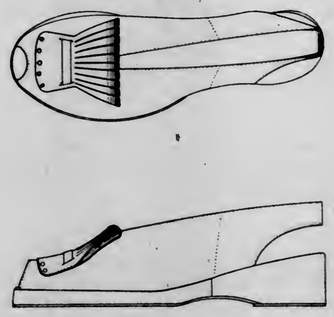
The ornamental design for a combined cutlery grinder fan, guide, and whetting disk, as shown.

139,609
DESIGN FOR A LAYOUT SCALE
Kurt Jaeger, Plainfield, N. J.
Application June 14, 1944, Serial No. 113,990
Term of patent 14 years
(Cl. D52—1)



The ornamental design for a layout scale, as shown.

139,610
DESIGN FOR A SHOE
Hubert Levetus, Montreal, Quebec, Canada
Application November 11, 1943, Serial No. 111,664
Term of patent 3½ years
(Cl. D7—7)



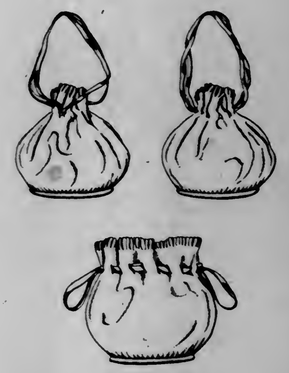
The ornamental design for a shoe, as shown.

139,611
DESIGN FOR A PIPE GAUGE OR SIMILAR ARTICLE
Julius E. Levin, Chicago, Ill.
Application August 19, 1944, Serial No. 114,942
Term of patent 14 years
(Cl. D52—1)



The ornamental design for a pipe gauge or similar article, as shown and described.

139,612
DESIGN FOR A LADY'S HANDBAG
Murray R. Norton, Birmingham, Ala.
Application April 15, 1944, Serial No. 113,266
Term of patent 3½ years
(Cl. D87—3)



The ornamental design for a lady's handbag, substantially as shown.

139,613
DESIGN FOR EYEGLASSES
Beatrice S. Norton, Los Angeles, Calif.
Application August 3, 1944, Serial No. 114,715
Term of patent 7 years
(Cl. D57—1)



The ornamental design for eyeglasses, substantially as shown and described.

139,614
DESIGN FOR A SPORT STOCKING
Gaetano Emilio Piana, Brentwood, N. Y.
Application December 6, 1943, Serial No. 111,929
Term of patent 14 years
(Cl. D47—7)



The ornamental design for a sport stocking, as shown.

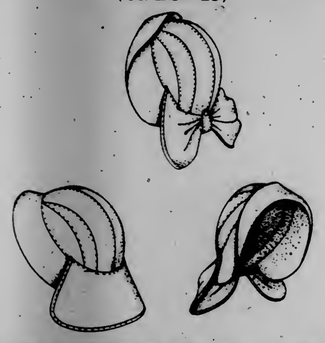
139,615
DESIGN FOR A CHARM OR SIMILAR ARTICLE
James L. Reed, Central, N. Mex.
Application May 16, 1944, Serial No. 113,601
Term of patent 3½ years
(Cl. D45—17)





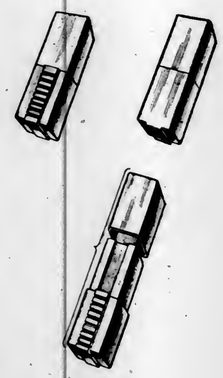
The ornamental design for a charm or similar article, as shown.

139,616
DESIGN FOR A HAT
Adolph Reinsberg, Chicago, Ill.
Application July 20, 1944, Serial No. 114,483
Term of patent 3½ years
(Cl. D3—13)



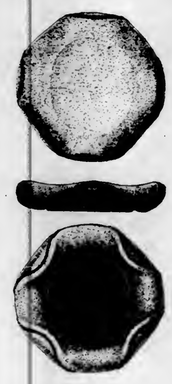
The ornamental design for a hat, substantially as shown.

139,617
DESIGN FOR A LIPSTICK CASE
Ivor Kich, New York, N. Y.
Application September 29, 1944, Serial No. 115,517
Term of patent 14 years
(Cl. D86—10)



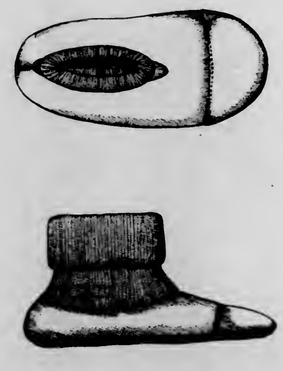
The ornamental design for a lipstick case, substantially as shown.

139,618
DESIGN FOR A WOMAN'S HAT
Edith F. Scheppler, New York, N. Y.
Application October 3, 1944, Serial No. 115,565
Term of patent 7 years
(Cl. D3—13)



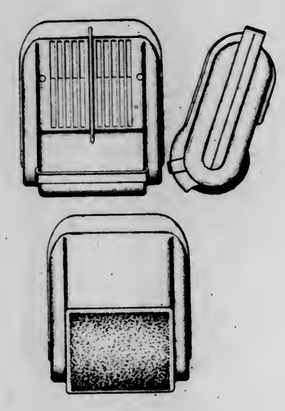
The ornamental design for a woman's hat, as shown.

139,619
DESIGN FOR A SLIPPER SOCK OR SIMILAR ARTICLE
Dezsö Schreiber, Brooklyn, N. Y.
Application June 19, 1944, Serial No. 114,097
Term of patent 3½ years
(Cl. D47—7)



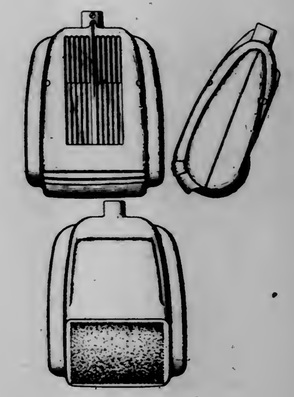
The ornamental design for a slipper sock or similar article, substantially as shown.

139,620
DESIGN FOR A FLOOR POLISHER
Clifford Brooks Stevens, Milwaukee, Wis., assignor to The Dumore Company, Racine, Wis., a corporation of Wisconsin
Application April 3, 1944, Serial No. 113,117
Term of patent 3½ years
(Cl. D9—2)



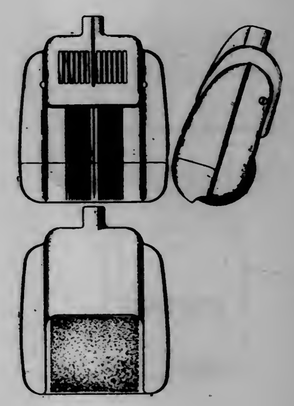
The ornamental design for a floor polisher, as shown.

139,621
DESIGN FOR A FLOOR POLISHER
Clifford Brooks Stevens, Milwaukee, Wis., assignor to The Dumore Company, Racine, Wis., a corporation of Wisconsin
Application April 3, 1944, Serial No. 113,118
Term of patent 3½ years
(Cl. D9—2)



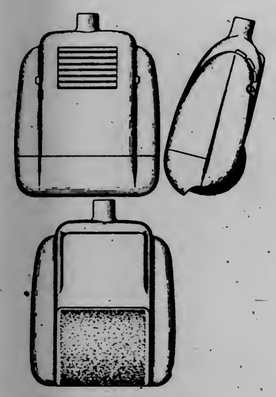
The ornamental design for a floor polisher, as shown.

139,622
DESIGN FOR A FLOOR POLISHER
Clifford Brooks Stevens, Milwaukee, Wis., assignor to The Dumore Company, Racine, Wis., a corporation of Wisconsin
Application April 3, 1944, Serial No. 113,119
Term of patent 3½ years
(Cl. D9—2)



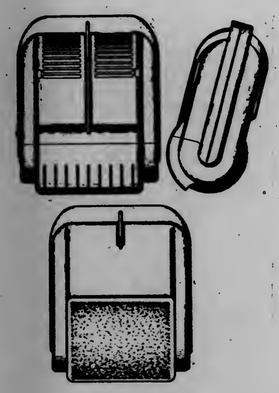
The ornamental design for a floor polisher, as shown.

139,623
DESIGN FOR A FLOOR POLISHER
Clifford Brooks Stevens, Milwaukee, Wis., assignor to The Dumore Company, Racine, Wis., a corporation of Wisconsin
Application April 3, 1944, Serial No. 113,120
Term of patent 3½ years
(Cl. D9—2)



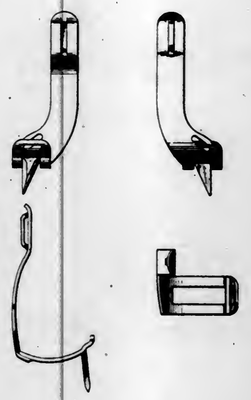
The ornamental design for a floor polisher, as shown.

139,624
DESIGN FOR A FLOOR POLISHER
Clifford Brooks Stevens, Milwaukee, Wis., assignor to The Dumore Company, Racine, Wis., a corporation of Wisconsin
Application April 3, 1944, Serial No. 113,121
Term of patent 3½ years
(Cl. D9—2)



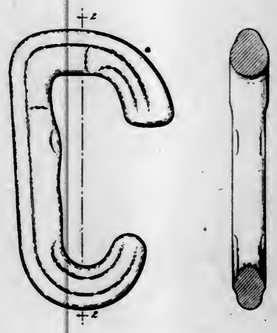
The ornamental design for a floor polisher, as shown.

139,625
DESIGN FOR A CLIMBER
Robert L. Woodbury, United States Army, Litchfield, Conn.
Application March 27, 1944, Serial No. 113,052
Term of patent 14 years
(Cl. D7—6)



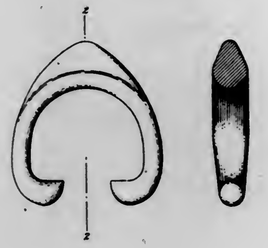
The ornamental design for a climber, as shown.

139,626
DESIGN FOR A TRAVELER FOR TWISTING RING
William M. Camp, Glen Ridge, N. J.
Application March 15, 1944, Serial No. 112,911
Term of patent 14 years
(Cl. D17—12)



The ornamental design for a traveler for twisting ring, substantially as shown.

139,627
DESIGN FOR A TRAVELER FOR SPINNING RING
William M. Camp, Glen Ridge, N. J.
Application March 15, 1944, Serial No. 112,912
Term of patent 14 years
(Cl. D17—12)



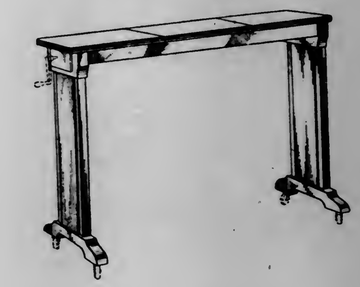
The ornamental design for a traveler for spinning ring, substantially as shown.

139,628
DESIGN FOR A FLASHLIGHT
David Chapman, Chicago, Ill., assignor to Ray-O-Vac Company, Madison, Wis., a corporation of Wisconsin
Application June 29, 1944, Serial No. 114,244
Term of patent 14 years
(Cl. D48—24)



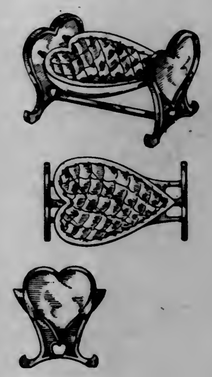
The ornamental design for a flashlight, as shown.

139,629
DESIGN FOR AN OVERBED TABLE
Boyd A. Doty, Buffalo, N. Y., assignor to Hard Manufacturing Company, Buffalo, N. Y.
Application December 22, 1943, Serial No. 112,071
Term of patent 14 years
(Cl. D33—14)



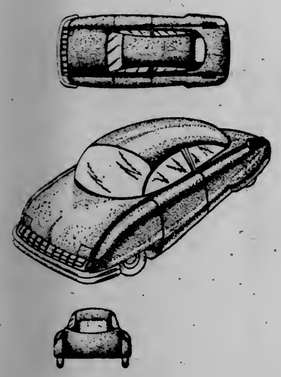
The ornamental design for an overbed table, as shown and described.

139,630
DESIGN FOR A CRADLE
Jessie M. Wade, Los Angeles, Calif.
Application September 27, 1944, Serial No. 115,485
Term of patent 14 years
(Cl. D5—5)



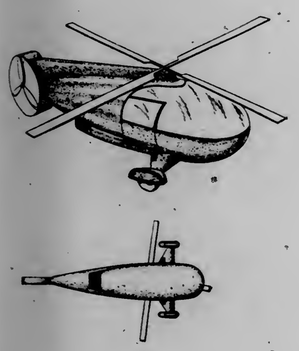
The ornamental design for a cradle, as shown.

139,631
DESIGN FOR AN AUTOMOBILE
George W. Walker, Pleasant Ridge, Mich., assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich., a corporation
Application August 23, 1943, Serial No. 110,983
Term of patent 3½ years
(Cl. D14—3)



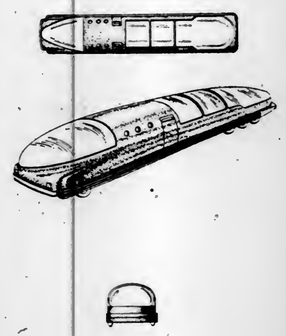
The ornamental design for an automobile, substantially as shown and described.

139,632
DESIGN FOR A HELICOPTER
George W. Walker, Pleasant Ridge, Mich., assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich., a corporation
Application August 28, 1943, Serial No. 111,016
Term of patent 3½ years
(Cl. D71—1)



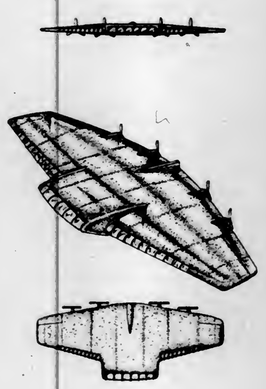
The ornamental design for a helicopter, substantially as shown and described.

139,633
DESIGN FOR A BUS
George W. Walker, Pleasant Ridge, Mich., assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich., a corporation
Application August 28, 1943, Serial No. 111,017
Term of patent 3½ years
(Cl. D14—3)



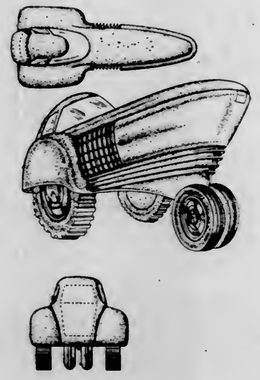
The ornamental design for a bus, substantially as shown and described.

139,634
DESIGN FOR AN AIRPLANE
George W. Walker, Pleasant Ridge, Mich., assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich., a corporation
Application September 1, 1943, Serial No. 111,044
Term of patent 3½ years
(Cl. D71—1)



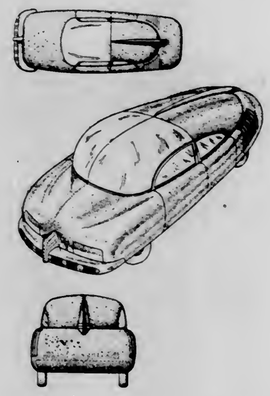
The ornamental design for an airplane, substantially as shown and described.

139,635
DESIGN FOR A TRACTOR
George W. Walker, Pleasant Ridge, Mich., assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich., a corporation
Application September 1, 1943, Serial No. 111,047
Term of patent 3½ years
(Cl. D14—3)



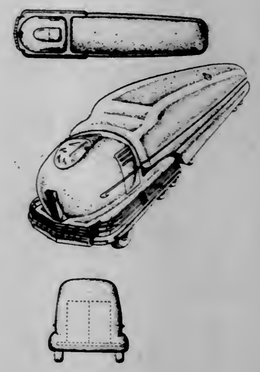
The ornamental design for a tractor, substantially as shown and described.

139,636
DESIGN FOR AN AUTOMOBILE
George W. Walker, Pleasant Ridge, Mich., assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich., a corporation
Application September 1, 1943, Serial No. 111,049
Term of patent 3½ years
(Cl. D14—3)



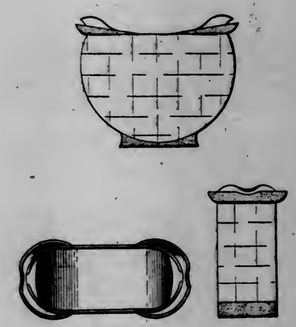
The ornamental design for an automobile, substantially as shown and described.

139,637
DESIGN FOR A TRUCK
George W. Walker, Pleasant Ridge, Mich., assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich., a corporation
Application September 24, 1943, Serial No. 111,204
Term of patent 3½ years
(Cl. D14—3)



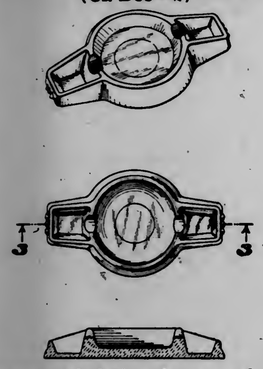
The ornamental design for a truck, substantially as shown and described.

139,638
DESIGN FOR A CREAM PITCHER OR SIMILAR ARTICLE
Gilford D. Adams, Butterfield, Mo., assignor of eleven-sixteenths to Floyd Leo Barber, Cassville, Mo.
Application August 30, 1944, Serial No. 115,134
Term of patent 14 years
(Cl. D44—21)



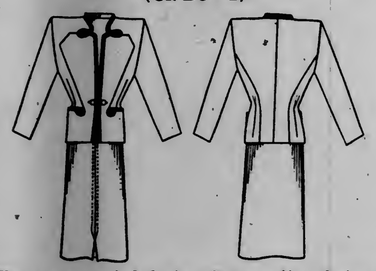
The ornamental design for a cream pitcher or similar article, as shown.

139,639
DESIGN FOR AN ASH TRAY
Wallace A. Davidson, South San Francisco, Calif.
Application September 11, 1944, Serial No. 115,267
Term of patent 7 years
(Cl. D85—2)



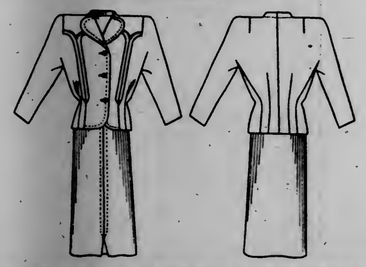
The ornamental design for an ash tray, substantially as shown.

139,640
DESIGN FOR A SUIT
Abe Gruber, New York, N. Y.
Application October 12, 1944, Serial No. 115,726
Term of patent 3½ years
(Cl. D3—4)



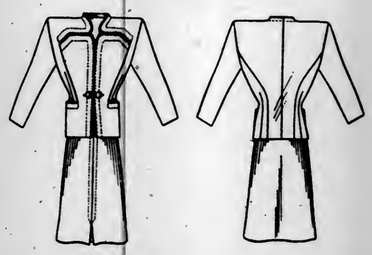
The ornamental design for a suit, substantially as shown.

139,641
DESIGN FOR A SUIT
Abe Gruber, New York, N. Y.
Application October 12, 1944, Serial No. 115,727
Term of patent 3½ years
(Cl. D3—4)



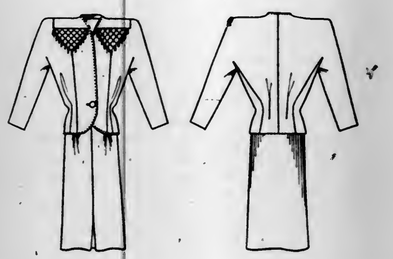
The ornamental design for a suit, substantially as shown.

139,642
DESIGN FOR A SUIT
Abe Gruber, New York, N. Y.
Application October 12, 1944, Serial No. 115,728
Term of patent 3½ years
(Cl. D3—4)



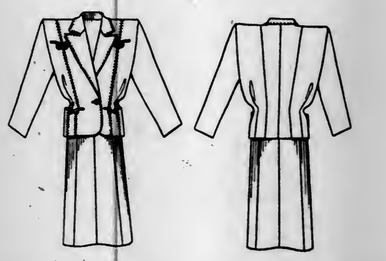
The ornamental design for a suit, substantially as shown.

139,643
DESIGN FOR A SUIT
Abe Gruber, New York, N. Y.
Application October 12, 1944, Serial No. 115,729
Term of patent 3½ years
(Cl. D3—4)



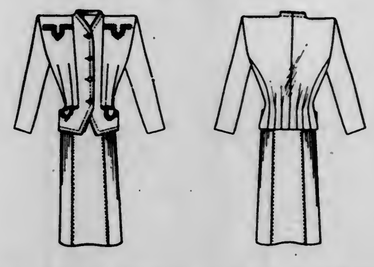
The ornamental design for a suit, substantially as shown.

139,644
DESIGN FOR A SUIT
Abe Gruber, New York, N. Y.
Application October 12, 1944, Serial No. 115,730
Term of patent 3½ years
(Cl. D3—4)



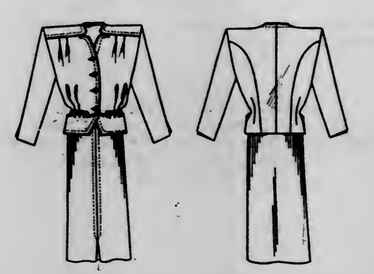
The ornamental design for a suit, substantially as shown.

139,645
DESIGN FOR A SUIT
Abe Gruber, New York, N. Y.
Application October 12, 1944, Serial No. 115,731
Term of patent 3½ years
(Cl. D3—4)



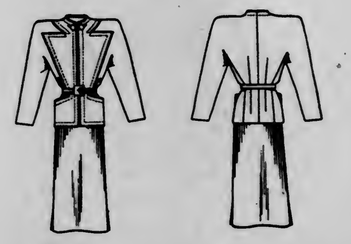
The ornamental design for a suit, substantially as shown.

139,646
DESIGN FOR A SUIT
Abe Gruber, New York, N. Y.
Application October 12, 1944, Serial No. 115,732
Term of patent 3½ years
(Cl. D3—4)



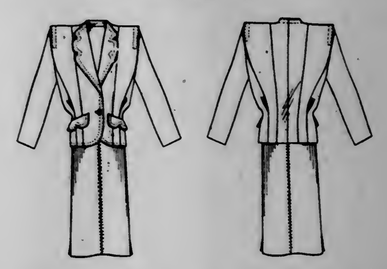
The ornamental design for a suit, substantially as shown.

139,647
DESIGN FOR A SUIT
Abe Gruber, New York, N. Y.
Application October 18, 1944, Serial No. 115,835
Term of patent 3½ years
(Cl. D3—4)



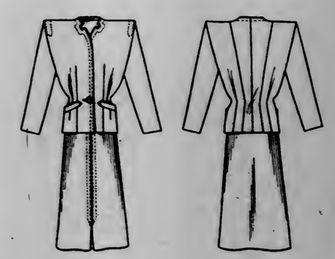
The ornamental design for a suit, substantially as shown.

139,648
DESIGN FOR A SUIT
Abe Gruber, New York, N. Y.
Application October 18, 1944, Serial No. 115,836
Term of patent 3½ years
(Cl. D3—4)



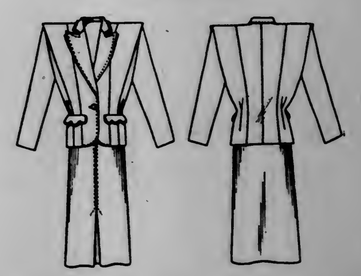
The ornamental design for a suit, substantially as shown.

139,649
DESIGN FOR A SUIT
Abe Gruber, New York, N. Y.
Application October 25, 1944, Serial No. 115,954
Term of patent 3½ years
(Cl. D3—4)



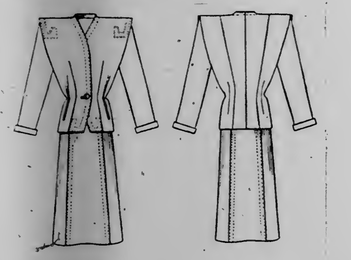
The ornamental design for a suit, substantially as shown.

139,650
DESIGN FOR A SUIT
Abe Gruber, New York, N. Y.
Application October 25, 1944, Serial No. 115,956
Term of patent 3½ years
(Cl. D3—4)



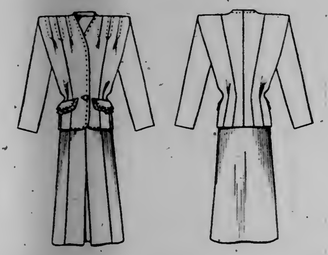
The ornamental design for a suit, substantially as shown.

139,651
DESIGN FOR A SUIT
Abe Gruber, New York, N. Y.
Application October 26, 1944, Serial No. 115,982
Term of patent 3½ years
(Cl. D3—4)



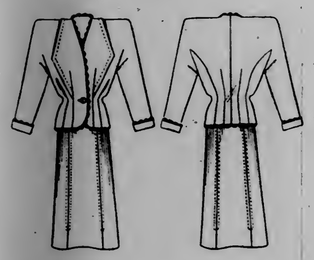
The ornamental design for a suit, substantially as shown.

139,652
DESIGN FOR A SUIT
Abe Gruber, New York, N. Y.
Application October 26, 1944, Serial No. 115,983
Term of patent 3½ years
(Cl. D3—4)



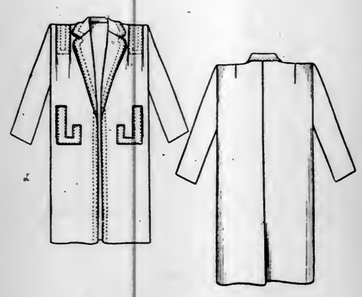
The ornamental design for a suit, substantially as shown.

139,653
DESIGN FOR A SUIT
Abe Gruber, New York, N. Y.
Application October 26, 1944, Serial No. 115,984
Term of patent 3½ years
(Cl. D3—4)



The ornamental design for a suit, substantially as shown.

139,654
DESIGN FOR A COAT
Abe Gruber, New York, N. Y.
Application October 25, 1944, Serial No. 115,955
Term of patent 3½ years
(Cl. D3—4)



The ornamental design for a coat, substantially as shown.

139,655
DESIGN FOR A FISH LURE
Samuel Jorgensen, Fresno, Calif.
Application May 30, 1944, Serial No. 113,805
Term of patent 14 years
(Cl. D31—4)



The ornamental design for a fish lure, as shown.

139,656
DESIGN FOR A FIGURINE
Allan Robinson, Boston, Mass.
Application February 19, 1944, Serial No. 112,644
Term of patent 3½ years
(Cl. D29—24)

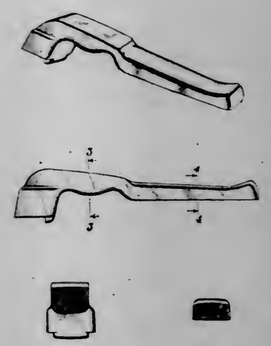






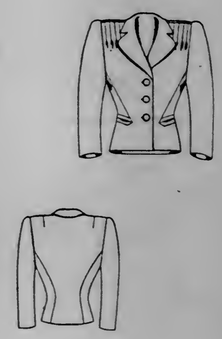
The ornamental design for a figurine, as shown.

139,657
DESIGN FOR A HANDLE FOR COOKING VESSELS OR THE LIKE
Norbert Shaeffer, Los Angeles, Calif., assignor to Kinney Aluminum Company, Los Angeles, Calif., a copartnership consisting of Roland T. Kinney and Wendell H. Kinney
Application November 11, 1943, Serial No. 111,653
Term of patent 14 years
(Cl. D44—29)



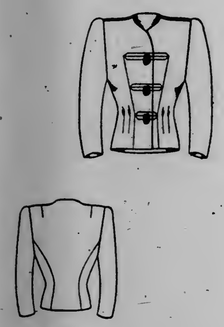
The ornamental design for a handle for cooking vessels or the like, as shown.

139,658
DESIGN FOR A JACKET
Jacob Barbel, New York, N. Y.
Application November 7, 1944, Serial No. 116,194
Term of patent 3½ years
(Cl. D3—4)



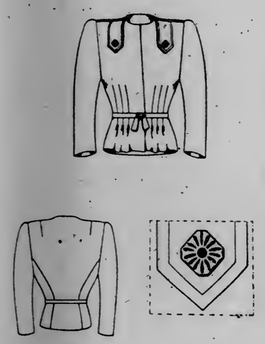
The ornamental design for a jacket, substantially as shown.

139,659
DESIGN FOR A JACKET
Jacob Barbel, New York, N. Y.
Application November 7, 1944, Serial No. 116,195
Term of patent 3½ years
(Cl. D3—4)



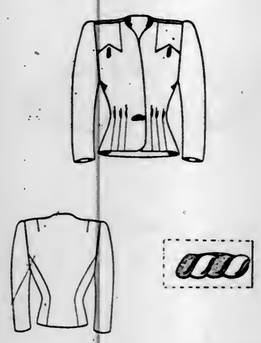
The ornamental design for a jacket, substantially as shown.

139,660
DESIGN FOR A JACKET
Jacob Barbel, New York, N. Y.
Application November 7, 1944, Serial No. 116,196
Term of patent 3½ years
(Cl. D3—4)



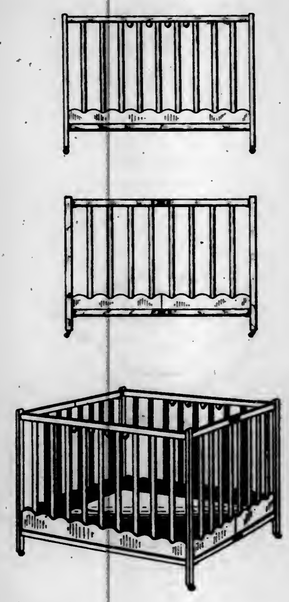
The ornamental design for a jacket, substantially as shown.

139,661
DESIGN FOR A JACKET
Jacob Barbel, New York, N. Y.
Application November 7, 1944, Serial No. 116,197
Term of patent 3½ years
(Cl. D3—4)



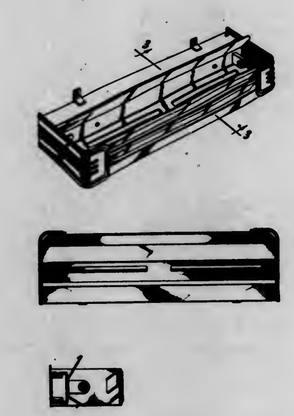
The ornamental design for a jacket, substantially as shown.

139,662
DESIGN FOR A CHILD'S PLAY-PEN
Edward Berry, Indianapolis, Ind.
Application August 11, 1944, Serial No. 114,842
Term of patent 7 years
(Cl. D5—5)



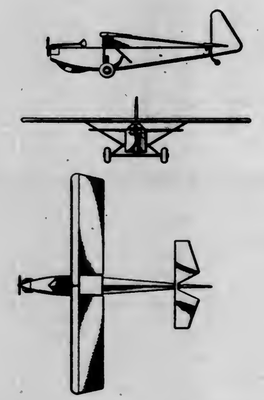
The ornamental design for a child's play-pen, as shown and described.

139,663
DESIGN FOR A LIGHTING FIXTURE
Milton S. Greenwald, Los Angeles, Calif.
Application September 20, 1944, Serial No. 115,374
Term of patent 7 years
(Cl. D48—4)



The ornamental design for a lighting fixture, substantially as shown.

139,664
DESIGN FOR A MOTORIZED PREFLIGHT TRAINER
Volmer S. Jensen, Glendale, Calif., assignor to California Aero Glider Co., Inc., a corporation of California
Application September 10, 1943, Serial No. 111,091
Term of patent 14 years
(Cl. D71—1)



The ornamental design for a motorized preflight trainer, as shown.

139,665
DESIGN FOR A TAPE DISPENSER UNIT
Milton Kahn, New York, N. Y., assignor to The Cofax Corporation, Long Island City, N. Y., a corporation of New York
Application October 14, 1944, Serial No. 115,788
Term of patent 14 years
(Cl. D74—1)



The ornamental design for a tape dispenser unit, substantially as shown.

139,666
DESIGN FOR A RING
Alexander Klein, New York, N. Y.
Application September 27, 1944, Serial No. 115,469
Term of patent 3½ years
(Cl. D45—10)



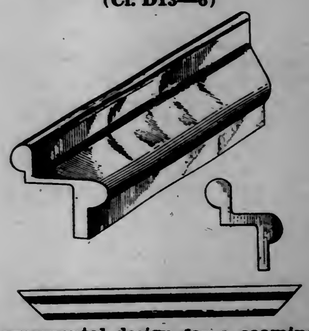
The ornamental design for a ring, substantially as shown and described.

139,667
DESIGN FOR A RING
Alexander Klein, New York, N. Y.
Application September 29, 1944, Serial No. 115,525
Term of patent 3½ years
(Cl. D45—10)



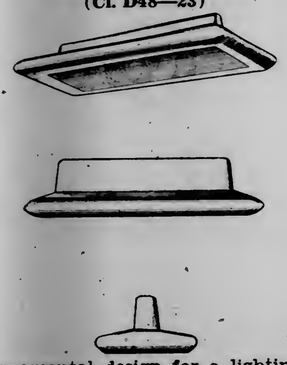
The ornamental design for a ring, substantially as shown and described.

139,668
DESIGN FOR A COAMING BAR
Thomas R. Lilly, Roxbury, Conn.
Application September 18, 1944, Serial No. 115,357
Term of patent 14 years
(Cl. D13—6)



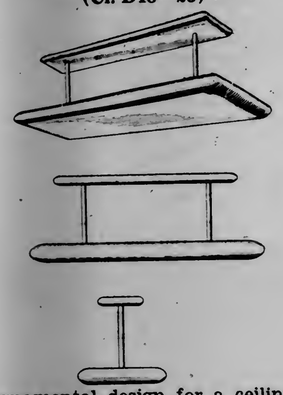
The ornamental design for a coaming bar, as shown.

139,669
DESIGN FOR A LIGHTING FIXTURE BODY
Joshua Gordon Lippincott, Scarsdale, N. Y., assignor to Holophane Company, Inc., New York, N. Y., a corporation of Delaware
Application August 12, 1944, Serial No. 114,849
Term of patent 7 years
(Cl. D48—23)



The ornamental design for a lighting fixture body, as shown.

139,670
DESIGN FOR A CEILING LIGHTING FIXTURE
Joshua Gordon Lippincott, Scarsdale, N. Y., assignor to Holophane Company, Inc., New York, N. Y., a corporation of Delaware
Application August 12, 1944, Serial No. 114,850
Term of patent 7 years
(Cl. D48—23)



The ornamental design for a ceiling lighting fixture, as shown.

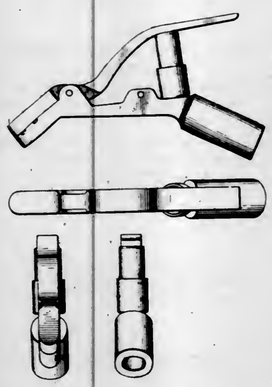
139,671
DESIGN FOR A COMBINED BRACELET AND WATCH
Belmiro Pereira, New York, N. Y.
Application September 27, 1944, Serial No. 115,472
Term of patent 3½ years
(Cl. D45—4)





The ornamental design for a combined bracelet and watch, substantially as shown and described.

139,672
DESIGN FOR AN ELECTRODE HOLDER
George E. Reynolds, Gardena, Calif.
Application August 21, 1944, Serial No. 114,956
Term of patent 14 years
(Cl. D26—1)



The ornamental design for an electrode holder, as shown.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

A. G. Products Co. (See George, Achilles N.)
Adriano Ramos Pinto & Irmao, Limitada, Oporto, Portugal. Brandy. Serial No. 464,386; Dec. 5. Class 49.
Allaire, Woodward & Co., Peoria, Ill. Liquid spray. Serial No. 473,240; Dec. 5. Class 6.
American Brake Shoe Company, New York, N. Y. Plastic tiles, and plastic slabs for use as floor coverings, wall coverings, stair treads. Serial No. 465,728; Dec. 5. Class 12.
American International Publications, Inc., New York, N. Y. Periodical. Serial No. 475,181; Dec. 5. Class 38.
American Woolen Company, New York, N. Y. Blankets. Serial No. 473,009; Dec. 5. Class 42.
Amoskeag-Lawrence Mills, Inc., Manchester, N. H. Piece goods. Serial No. 455,879; Dec. 5. Class 42.
Apicella, Salvatore F., New York, N. Y. Bed springs; box springs for beds; spring assembled bottoms, etc. Serial No. 474,369; Dec. 5. Class 32.
Armstrong, Forrest P., Atlanta, Ga. Clothes pressing machines. Serial No. 473,554; Dec. 5. Class 24.
Armstrong, Gordon, doing business as The Gordon Armstrong Company, Cleveland, Ohio. Portable baby incubators and apparatus. Serial No. 473,929; Dec. 5. Class 44.
Armstrong, Gordon Company, The. (See Armstrong, Gordon.)
Arnold, Everett M., Old Greenwich, Conn. Comic strip. Serial No. 474,987; Dec. 5. Class 38.
Atlantic Refining Company, The, Philadelphia, Pa. Bituminous oils for construction purposes. Serial Nos. 469,488–9; Dec. 5. Class 12.
Atlas Supply Company, Newark, N. J. Brake shoes, lined, for use on vehicles. Serial No. 472,833; Dec. 5. Class 19.
Baronette Radio Tube Co. (See Robbins, Rose.)
Bartow, Edith M., New Canaan, Conn. Newspaper column. Serial No. 467,287; Dec. 5. Class 38.
Beau Brummell Ties, Inc., Cincinnati, Ohio. Neckties. Serial No. 471,179; Dec. 5. Class 39.
Beford, A. J., Shoe, Inc., Lititz, Pa. Children's and infants' shoes. Serial No. 471,509; Dec. 5. Class 39.
Bell, E. Paul, doing business as Multronics Association, Oshkosh, Wis. Radio transmitters and receivers and parts thereof. Serial No. 473,442; Dec. 5. Class 21.
Bilfred Enterprises, Los Angeles, Calif. Books, cut-out illustrations, decalcomania reproductions, etc. Serial No. 472,835; Dec. 5. Class 38.
Bomber Cigar Company, Los Angeles, Calif. Cigars. Serial No. 473,266; Dec. 5. Class 17.
Bristol-Myers Company, New York, N. Y. Multiple vitamin gelatin tablet. Serial No. 473,768; Dec. 5. Class 6.
Bryant Paper Company, Kalamazoo, Mich. Printing paper. Serial No. 468,705; Dec. 5. Class 37.
Carl Pool Mfg. Co. (See Frank, A. B., Co.)
Cartier, Inc., New York, N. Y. Watches and clocks and wrist watches, etc. Serial No. 471,859; Dec. 5. Class 27.
Caulk, L. D., Company, The, Milford, Del. Preparation for insertion in dental cavities. Serial No. 472,767; Dec. 5. Class 44.
Central Dairy Products Company, The, Oklahoma City, Okla. Dressed, drawn, and cut-up portions of poultry and barbecued chickens. Serial No. 474,269; Dec. 5. Class 46.
Charles & Co., Inc., New York, N. Y. Smoking tobacco. Serial No. 455,227; Dec. 5. Class 17.
Ciba Company, Inc., New York, N. Y. Dispersant and dyeing assistant. Serial No. 472,933; Dec. 5. Class 6.
Ciba Company, Inc., New York, N. Y. Synthetic resins. Serial No. 472,937; Dec. 5. Class 1.
Cohen, Joseph H., & Sons, Vanity Clothes, Inc., New York, N. Y. Men's clothing. Serial No. 474,580; Dec. 5. Class 39.
Coralite Dental Products Company, Chicago, Ill. Dental materials. Serial No. 475,247; Dec. 5. Class 44.
Cowen Bros., New York, N. Y. Wrist watch straps. Serial No. 474,583; Dec. 5. Class 40.
Crest Fabrics Corp., New York, N. Y. Textile fabrics in the piece. Serial No. 474,622; Dec. 5. Class 42.
Crest Frocks, Inc., New York, N. Y. Women's, misses,' juniors' and children's housecoats, dresses and blouses. Serial No. 474,692; Dec. 5. Class 39.
Crown Fastener Corporation, Warren, R. I. Separable slide fasteners. Serial No. 472,841; Dec. 5. Class 13.
Crucible Steel Company of America, New York, N. Y. High speed steel. Serial No. 473,907; Dec. 5. Class 14.
Curts-Folse Laboratories, Kansas City, Kans. Astringent. Serial No. 473,468; Dec. 5. Class 6.
Daum, Henry F., Los Angeles, Calif. Packaged frozen food products. Serial No. 474,482; Dec. 5. Class 46.
Destileria Alzola, S. A., Cardenas, Cuba. Rum, whiskey, and brandy. Serial No. 458,187; Dec. 5. Class 49.
Durex Products, Inc., New York, N. Y. Vaginal jelly. Serial No. 467,843; Dec. 5. Class 6.
Eby Shoe Corporation, Ephrata, Pa. Boots and shoes. Serial No. 471,552; Dec. 5. Class 39.
Eleanor Dress Co. Inc., Baltimore, Md. Women's and girls' suits, slacks, blouses, etc. Serial No. 464,130; Dec. 5. Class 39.
Electric Controller & Manufacturing Company, The, Cleveland, Ohio. Publication in the nature of a house organ. Serial No. 473,883; Dec. 5. Class 38.
Eliscu & Company, New York, N. Y. Teethers, teething rings, and teething necklaces. Serial No. 475,000; Dec. 5. Class 44.
Endo Products Inc., New York, N. Y. Preparation for liquefaction of bronchial mucous secretions. Serial No. 474,025; Dec. 5. Class 6.
F-R Publishing Corporation, The, New York, N. Y. Magazine column. Serial No. 475,195; Dec. 5. Class 38.
F-R Publishing Corporation, The, New York, N. Y. Magazine column. Serial No. 475,201; Dec. 5. Class 38.
Fijelen Research and Development Company, The, Washington, D. C. Non-electric machines for suppressing obnoxious vegetation by flame. Serial No. 472,668; Dec. 5. Class 23.
Fitzpatrick Woolen Co. Inc., New York, N. Y. Woolen piece goods. Serial No. 472,194; Dec. 5. Class 42.
Flaherty, John B., Company, Inc., New York, N. Y. Athletic supporters and suspensories. Serial No. 473,366; Dec. 5. Class 44.
Flannery Bolt Company, Bridgeville, Pa. Apparatus for revealing defects in metal members. Serial No. 474,849; Dec. 5. Class 26.
Florasynth Laboratories, Incorporated, New York, N. Y. Flavorings. Serial No. 473,732; Dec. 5. Class 46.
Frank, A. B., Co., doing business as Carl Pool Mfg. Co., San Antonio, Tex. Men's and boys' dress and work shirts, slack suits, pants, etc. Serial No. 468,958; Dec. 5. Class 39.
Gaston De Paris, Inc., New York, N. Y. Perfumes and toilet water. Serial No. 471,796; Dec. 5. Class 6.
General Council of Cooperating Baptist Missions of North America, The, Cleveland, Ohio. Printed publications. Serial No. 466,256; Dec. 5. Class 38.
George, Achilles N., doing business as A. G. Products Co., Detroit, Mich. Toy gliders and airplanes. Serial No. 475,108; Dec. 5. Class 22.
Getz, William, Company, The, Chicago, Ill. Acrylic denture powder, acrylic denture liquid and denture liner compositions. Serial No. 468,511; Dec. 5. Class 44.
Giberson, E. F., Brentwood, Calif. Fresh deciduous fruits. Serial No. 472,616; Dec. 5. Class 46.
Glades Company, The. (See Johnson, Howard L.)
Great Lakes Shoe Co. (See Schmidt, Oliver F.)
Hartman, Helen K., New York, N. Y. Dolls. Serial No. 474,630; Dec. 5. Class 22.
Hartwig, Walter A., doing business as Tots Toys, Milwaukee, Wis. Toy horses. Serial No. 469,812; Dec. 5. Class 22.
Hearst Corporation, The, New York, N. Y. Cartoons or comic strips. Serial No. 469,767; Dec. 5. Class 38.
Hero Mfg. Co., Inc., Middleboro, Mass. Knitting needles, knitting pins, and crochet hooks for hand use. Serial No. 474,379; Dec. 5. Class 40.
Hessel, I. A., St. Louis, Mo. Women's, children's, and misses' underwear. Serial No. 473,889; Dec. 5, 1944. Class 39.
Heywood Compressor Company Limited, The, Redditch, Worcestershire, England. Air compressors and air pumps. Serial No. 470,496; Dec. 5, 1944. Class 23.
Hirsch, Benjamin F., doing business as Plastone Company, Chicago, Ill. Furniture and automobile polishes. Serial No. 474,631; Dec. 5, 1944. Class 16.
Hoffmann-La Roche, Inc., Nutley, N. J. Medical preparation. Serial Nos. 473,822–3; Dec. 5, 1944. Class 6.
Homix Products, Inc., New York, N. Y. Ice cream mix. Serial No. 469,470; Dec. 5, 1944. Class 46.
Howell, Ira E., Yuma, Ariz. Fresh citrus fruit, fresh vegetables and fresh cantaloupes. Serial No. 475,150; Dec. 5, 1944. Class 46.
Hydraulmatic Device Co. (See Pappas, Phillip M.)
Ideal Wall Hangings Corporation, Chicago, Ill. Wall decorations. Serial No. 471,608; Dec. 5, 1944. Class 38.
Imperial Hosiery Co., Pittsburgh, Pa. Men's, women's and children's hosiery, bathing suits, ladies', misses', and children's coats, suits and raincoats. Serial No. 466,914; Dec. 5, 1944. Class 39.
Johnson, Howard L., doing business as The Glades Company, Homestead, Fla. Medicinal preparation. Serial No. 474,414; Dec. 5, 1944. Class 6.
Johnstone and Cushing, New York, N. Y. Series of cartoons or comic strips. Serial No. 474,669; Dec. 5. Class 38.

Kaplan, Irene, doing business as Nalpak, New York, N. Y. Electric ranges and cookers, electric heaters, electric wall, and floor circulating fans, etc. Serial No. 473,911; Dec. 5. Class 21.
Katz and Bothman, Los Angeles, Calif. Women's, misses' and juniors' coats and suits. Serial No. 474,034; Dec. 5, 1944. Class 39.
Kendall Company, The, Walpole, Mass. Athletic supporters. Serial No. 470,612; Dec. 5, 1944. Class 44.
Kimberly-Clark Corporation, Neenah, Wis. Paper and creped cellulose wadding. Serial Nos. 467,401–3; Dec. 5, 1944. Class 1.
Lannett Company, Incorporated, The, Philadelphia, Pa. Dermatological preparation. Serial No. 471,611; Dec. 5, 1944. Class 6.
Len-Marsh Corporation, Paterson, N. J. Skin creams. Serial No. 473,742; Dec. 5, 1944. Class 6.
Lenhart, Joseph B., Marietta, Ohio. Food containers. Serial No. 471,874; Dec. 5, 1944. Class 30.
Lynette Perfumes, Inc., New York, N. Y. Shaving cream and shaving soap. Serial No. 474,200; Dec. 5, 1944. Class 4.
Manning, Maxwell & Moore, Inc., Muskegon, Mich. Pull chain hoists. Serial No. 473,608; Dec. 5, 1944. Class 23.
Marlan Company, The, Philadelphia, Pa. Children's playsuits, dress suits, dress shirts, etc. Serial No. 474,490; Dec. 5, 1944. Class 39.
McKim Dental Service. (See McKim, Orville E.)
McKim, Orville E., doing business as McKim Dental Service, Port Chester, N. Y. Deodorizing solution. Serial No. 464,542; Dec. 5, 1944. Class 6.
Melery Frocks, New York, N. Y. Women's, misses', juniors' and children's housecoats, dresses, and blouses. Serial No. 474,703; Dec. 5, 1944. Class 39.
Metropolitan Needlecraft Company, New York, N. Y. Brocaded medallions. Serial No. 468,759; Dec. 5, 1944. Class 40.
Minnesota Mining & Manufacturing Company, St. Paul, Minn. Coated abrasives. Serial No. 472,783; Dec. 5, 1944. Class 4.
Monsanto Chemical Company, St. Louis, Mo. Compounds used as vulcanization accelerators. Serial No. 473,827; Dec. 5, 1944. Class 6.
Multronics Associates. (See Bell, E. Paul.)
Nalpak. (See Kaplan, Irene.)
Nantex Manufacturing Co., New York, N. Y. Men's underwear. Serial No. 467,044; Dec. 5, 1944. Class 39.
National Gypsum Company, Buffalo, N. Y. Asbestos cement boards. Serial No. 472,990; Dec. 5, 1944. Class 12.
National Mattress Company, Huntington, W. Va. Mattresses and pad mattresses. Serial Nos. 471,275–6; Dec. 5, 1944. Class 32.
Neil's Fruit Products Co., Los Angeles, Calif. Non-alcoholic, maltless beverages sold as soft drinks and fountain extracts and extracts and concentrates for making the same. Serial No. 470,208; Dec. 5, 1944. Class 45.
New River Company, The. (See White Oak Company, assignor.)
Nu-Fil Products Co. (See Weil, Lee.)
Oxford Laboratories, San Francisco, Calif. Dentifrice. Serial No. 472,991; Dec. 5, 1944. Class 6.
Pappas, Phillip M., doing business as Hydraulmatic Device Co., Houston, Tex. Built-in, or accessory, automatic float-ball-and-piston timers. Serial No. 472,336; Dec. 5, 1944. Class 26.
Patrick, Charles H., Salisbury, N. C. Leveling agent and a stripping agent. Serial No. 473,954; Dec. 5, 1944. Class 6.
Pennsylvania Salt Manufacturing Company, The, Philadelphia, Pa. Molding and core binder solutions. Serial No. 471,358; Dec. 5, 1944. Class 5.
Pilling Chain Company, Providence, R. I. Sliders, top stops, bottom stops, pull chains, etc. Serial No. 473,194; Dec. 5, 1944. Class 13.
Plastone Company. (See Hirsch, Benjamin F.)
Procter & Gamble Company, The, Cincinnati, Ohio. Shampoo. Serial No. 473,676; Dec. 5. Class 6.
Quaker Chemical Products Corporation, Conshohocken, Pa. Fulling agent. Serial No. 473,336; Dec. 5, 1944. Class 6.
Raybestos-Manhattan, Inc., Passaic, N. J. Air hose. Serial No. 464,586; Dec. 5, 1944. Class 35.
Robbins, Rose, doing business as Baronette Radio Tube Co., New York, N. Y. Radio receiving sets and parts thereof, television receiving sets and parts thereof, etc. Serial No. 472,260; Dec. 5, 1944. Class 21.
Rockmont Envelope Company, Denver, Colo. Packets of writing paper and envelopes. Serial No. 472,821; Dec. 5, 1944. Class 37.
Rockmont Envelope Company, Denver, Colo. Packets of writing paper and envelopes. Serial No. 472,824; Dec. 5, 1944. Class 37.
Rose City Foods. (See Searcy, F. H.)
Roxalin Flexible Finishes, Inc., Elizabeth, N. J. Wrinkle finish compositions, in the nature of varnishes, etc. Serial No. 473,709; Dec. 5, 1944. Class 16.
Schmidt, Oliver F., doing business as Great Lakes Shoe Co., Oconto, Wis. Infants' and children's shoes. Serial No. 470,681; Dec. 5, 1944. Class 39.
Searcy, F. H., doing business as Rose City Foods, Thomasville, Ga. Peanut butter. Serial No. 473,431; Dec. 5, 1944. Class 46.
Small Motors, Inc., Chicago, Ill. Electrically operated motors. Serial No. 474,770; Dec. 5, 1944. Class 21.
Southern Advance Bag & Paper Co. Inc., Bangor, Maine, and Boston, Mass. Butchers kraft wrapping paper. Serial No. 463,958; Dec. 5, 1944. Class 37.
Standard Brands Incorporated, New York, N. Y. Dry and liquid mixtures consisting of malt sugars and soluble dextrins. Serial No. 473,235; Dec. 5, 1944. Class 6.
Stein, Al, Baltimore, Md. Men's and women's slacks, leisure coats, sport coats, etc. Serial No. 460,222; Dec. 5, 1944. Class 39.
Street & Smith Publications, Inc., New York, N. Y. Column in a periodical. Serial No. 472,159; Dec. 5, 1944. Class 38.
Sunvent Metal Awning Company, New York, N. Y. Metal awnings. Serial No. 472,370; Dec. 5. Class 12.
Taylor, Robert L., Pittsburgh, Pa. Rough-boxes. Serial No. 472,478; Dec. 5. Class 2.
Tots Toys. (See Hartwig, Walter A.)
Trafton, Herbert M., Lindsay, Calif. Prepared olive products. Serial No. 469,580; Dec. 5. Class 46.
Trailer Company of America, The, Cincinnati, Ohio. Trailers and parts thereof. Serial No. 472,912; Dec. 5. Class 19.
Trumbull Electric Manufacturing Company, The. Plainville, Conn. Unitary electric heating and air circulating units and parts thereof. Serial No. 467,906; Dec. 5. Class 21.
Union Aircraft Products Corporation, New York, N. Y. Metal pipe fittings through which fluid is conducted. Serial No. 466,957; Dec. 5. Class 13.
Union-Baystate Co. Inc., Cambridge, Mass. Adhesive cement. Serial No. 474,179; Dec. 5. Class 5.
Valentina Gowns, Inc., New York, N. Y. Women's nightgowns, gowns in the nature of dresses, suits, coats, etc. Serial No. 468,312; Dec. 5. Class 39.
Valley Growers & Packers, Guadalupe, Calif. Fresh vegetables. Serial Nos. 475,175–7; Dec. 5. Class 46.
Veritas Products Company, Inc., New York, N. Y. Vaginal diaphragms. Serial No. 475,471; Dec. 5. Class 44.
Vintage Wines, Inc., New York, N. Y. Vermouth and other wines. Serial No. 470,090; Dec. 5. Class 47.
Weil, Lee, doing business as Nu-Fil Products Co., Newark, N. J. Oil filter cartridges. Serial No. 469,068; Dec. 5. Class 31.
Weitz, S. & Co., Inc., Cleveland, Ohio. Overcoats and topcoats. Serial No. 474,612; Dec. 5. Class 39.
Welch, C. S., Company, The, New York, N. Y. Detergent preparations in powder and in liquid form, bath mitts and toilet soap. Serial No. 473,001; Dec. 5. Class 4.
Wellens, Milton, doing business as Milton Wellens Co., Los Angeles, Calif. Fresh vegetables and fresh deciduous fruits. Serial No. 471,437; Dec. 5. Class 46.
Wellens, Milton, Co. (See Wellens, Milton.)
Wentz, M. C., Los Angeles, Calif. Wooden trays, wooden salt and pepper shakers, wooden cookie and snack jars, etc. Serial No. 469,420; Dec. 5. Class 2.
White, Malcolm R., Nyack, N. Y. Electrical wires and cables. Serial No. 474,841; Dec. 5. Class 21.
White Oak Coal Company, assignor to The New River Company, Mount Hope, W. Va. Coal and coke. Serial No. 454,547; Dec. 5. Class 1.

LIST OF REGISTRANTS OF TRADE-MARKS

Abbott Laboratories, North Chicago, Ill. Rectal ointment. 410,576; Dec. 5; Serial No. 467,363; published Apr. 25, 1944. Class 6.
Ackles, Melvin S., doing business as Vitamin Candies, Ltd., Clinton, Iowa. Candies. 410,570; Dec. 5; Serial No. 466,115; published Sept. 26, 1944. Class 46.
Aeroshade Company, The, Waukesha, Wis. Porch and window shades. 197,251; renewed Apr. 14, 1945.
Albert, Samuel, New York, N. Y. Shaving cream. 410,568; Dec. 5; Serial No. 465,885; published June 13, 1944. Class 4.
All American Aviation, Inc., Wilmington, Del. Pick-up and towing aircraft and pick-up units. 410,575; Dec. 5; Serial No. 467,224; published Sept. 19, 1944. Class 19.
Allied Manufacturing and Trading Company, Pittsburgh, Pa. Ladies' hand bags and traveling bags, brief cases, etc. 410,579; Dec. 5; Serial No. 467,993; published Sept. 26, 1944. Class 3.
Allis, Louis, Company, The, Milwaukee, Wis. Electric motors, generators, rotary converters, etc. 191,628; renewed Nov. 11, 1944.
Alox Corporation, Niagara Falls, N. Y. Oil composition for the preservation and lubrication of firearms, firearm parts and firearm accessories. 410,553; Dec. 5; Serial No. 460,132; published Sept. 26, 1944. Class 15.

Alox Corporation, Niagara Falls, N. Y. Liquid composition in the nature of an oil for the lubrication of, and rust prevention on firearms, firearm parts and firearm accessories. 410,554; Dec. 5; Serial No. 460,133; published Sept. 26, 1944. Class 15.
Altman, B. & Co. (See Auerbach & Guettel, assignor.)
Altman, B., & Co., New York, N. Y. Articles of clothing for women, misses, and children. 197,116; renewed Apr. 7, 1945.
Aluminum Cooking Utensil Company, The, New Kensington, Pa. Kitchen furniture. 410,615; Dec. 5; Serial No. 471,466; published Sept. 26, 1944. Class 32.
Ambrosia Chocolate Co., Milwaukee, Wis. Eating chocolate. 190,468; renewed Oct. 14, 1944.
American Brake Shoe Company. (See American Forge Company, assignor.)
American Brake Shoe Company, New York, N. Y. Car wheels. 410,556; Dec. 5; Serial No. 461,185; published Sept. 19, 1944. Class 19.
American Cyanamide Company, New York, N. Y. Insecticide and rodent exterminator. 193,386; renewed Dec. 30, 1944.
American Forge Company, Chicago, Ill., assignor to American Brake Shoe Company, New York, N. Y. Upset forgings. 192,921; renewed Dec. 16, 1944.
American Thread Company, The, New York, N. Y. Cotton thread. 195,597; renewed Feb. 24, 1945.
Arbogast, Fred, Akron, Ohio. Artificial bait. 410,656; Dec. 5. Class 22.
Arco Company, The, Cleveland, Ohio. Ready, mixed paints, lacquers, and paint enamels. 410,632; Dec. 5; Serial No. 472,313; published Sept. 26, 1944. Class 16.
Atkinson Feed Mill. (See Van Herzeele, Henry.)
Auerbach & Guettel, doing business as The Palace Clothing Company, Kansas City, Mo., assignor to B. Altman & Co., to B. Altman & Co., New York, N. Y. Men's and boys' suits. 197,093; renewed Apr. 7, 1945.
Baker, Martha, Burlingham, Calif. Perfumes, toilet waters, and sachets. 410,649; Dec. 5. Class 6.
Baltimore Engineering & Chemical Co., The, Baltimore, Md. Chemical preparation used to prevent the growth of fungi and bacteria in the treatment of oils, greases, waxes, etc. 410,602; Dec. 5; Serial No. 471,064; published Sept. 19, 1944. Class 6.
Baranski, John K., Chicago, Ill. Medicinal powder for relieving hay fever. 410,614; Dec. 5; Serial No. 471,384; published Sept. 19, 1944. Class 6.
Bartlett Hayward Division. (See Koppers Company.)
Bath-A-Shay Distributors. (See Clark, Robert H.)
Bettermade Garment Co., Los Angeles, Calif. Women's, misses' and juniors' ready-to-wear dresses, suits, coats, etc. 410,652; Dec. 5. Class 39.
Birtman Electric Company, Chicago, Ill. Laundry washing machines. 410,567; Dec. 5; Serial No. 465,862; published Sept. 26, 1944. Class 24.
Blair of Virginia. (See Morton Manufacturing Corporation.)
Borden Company, The. (See Merrell-Soule Company, assignor.)
Bray Chemical Co., Chicago, Ill. Chemical preparation. 410,609; Dec. 5; Serial No. 471,143; published Sept. 19, 1944. Class 6.
Brewer & Company, Worcester, Mass. Medicinal preparation. 197,371; renewed Apr. 14, 1945.
Brower & Company, Inc., Worcester, Mass. Medicinal preparation. 197,140–1; renewed Apr. 14, 1945.
Bryant Paper Company, Kalamazoo, Mich. Coated printing paper. 410,659; Dec. 5. Class 37.
Butler, George I., New York, N. Y. Closures. 410,580; Dec. 5; Serial No. 468,337; published Sept. 26, 1944. Class 50.
C. P. Concrete Equipment Co., Los Angeles, Calif. Concrete form ties, soffit hangers and screed supports. 410,578; Dec. 5; Serial No. 468,279; published Sept. 26, 1944. Class 12.
Cabot, Godfrey L., Inc., Boston, Mass. Carbon black. 190,940; renewed Oct. 28, 1944.
Campbell, J. A., Company. (See Campbell, Julian A.)
Campbell, Julian A., doing business as J. A. Campbell Company, Long Beach, Calif. Pulsation dampening valves. 410,564; Dec. 5; Serial No. 464,989; published Sept. 26, 1944. Class 13.
Carlene's. (See Futter, Carl A.)
Cement Finish Co. Inc., New York, N. Y. Cement floors, nailing base for concrete, metallic finished floors, etc. 193,406; renewed Dec. 30, 1944.
Chemotek Manufacturing Company, Houston, Tex. Solvent resistant lubricating grease. 410,629; Dec. 5; Serial No. 471,943; published Sept. 26, 1944. Class 15.
Cheney Brothers, assignor to Cheney Brothers, South Manchester, Conn. Woven, knitted, netted, textile, and pile fabrics in the piece. 195,566; renewed Feb. 24, 1945.
Cities Service Oil Company. (See Metropolitan Finance Corporation of California, assignor.)
Cities Service Oil Company. (See Western Reserve Oil Company, The, assignor.)
Clark, Robert H., doing business as Bath-A-Shay Distributors, Los Angeles, Calif. Bath salts. 410,559; Dec. 5; Serial No. 462,247; published Sept. 19, 1944. Class 6.
Colgate-Palmolive-Peet Company, Jersey City, N. J. Sudsing cleaner, cleanser and detergent. 410,626; Dec. 5; Serial No. 471,698; published Sept. 26, 1944. Class 4.
Continental Lithograph Corporation, Cleveland, Ohio. Carbon paper, typewriter ribbons and transfer tapes and inking materials. 410,555; Dec. 5; Serial No. 460,495; published Sept. 26, 1944. Class 11.
Coro, Inc., New York, N. Y. Necklaces and bracelets not including watches, finger rings, earrings, etc. 410,627; Dec. 5; Serial No. 471,700; published Sept. 26, 1944. Class 28.
Daily Trade Record Company of New York, New York, N. Y. Newspaper articles in box form. 192,979; renewed Dec. 16, 1944.
Dayton Insulating Molding Company, The. (See Gunklach, Carl E.)
Dunhill, Alfred, Limited. (See Dunhill, Alfred, of London, Inc., assignor.)
Dunhill, Alfred, of London, Inc., New York, N. Y., assignor to Alfred Dunhill Limited, London, England. Pipes, cigar and cigarette holders, etc. 191,798; renewed Nov. 18, 1944.
Dunn, John A., Corporation, The, Gardiner, Mass. Living room furniture and dinette table and chairs. 410,560; Dec. 5; Serial No. 462,912; published Sept. 26, 1944. Class 32.
Eastman Kodak Company, assignor to Eastman Kodak Company, Rochester, N. Y. Photographic films. 192,432; renewed Dec. 2, 1944.
Eastman Kodak Company, assignor to Eastman Kodak Company, Rochester, N. Y. Photographic sensitized materials. 192,433; renewed Dec. 2, 1944.
Eastman Kodak Company, assignor to Eastman Kodak Company, Rochester, N. Y. Photographic sensitized materials. 192,435; renewed Dec. 2, 1944.
Ecco Chemical Corporation, Weehawken, N. J. Cyanide compound. 410,616; Dec. 5; Serial No. 471,447; published Sept. 19, 1944. Class 6.
Edmond Queen Marie's Beautician, Inc., New York, N. Y. Nonlathering cream for removing make-up and cleansing the skin. 410,660; Dec. 5. Class 6.
Elting Brothers. (See Victorius, A. V., & Co., assignor.)
Endless Belt Corporation, New York, N. Y., assignor to Endless Belt Corporation, Pisgah Forest, N. C. Sheet cork, sheeted straw and sheet silk. 196,236; renewed Mar. 10, 1945.
Feisel, E. J., to Grace W. Feisel, San Francisco, Calif., successor. Abdominal bands, aprons, baby buntings, etc. 193,724; renewed Jan. 6, 1945.
Feisel, Grace W. (See Feisel, E. J.)
Filtrol Company, assignor, by mesne assignments, to Filtrol Corporation, Los Angeles, Calif. Chemically-treated colloidal clay. 195,212; renewed Feb. 17, 1945.
Filtrol Corporation. (See Filtrol Company, assignor.)
Fitch, F. W., Company, The, Des Moines, Iowa. Hair tonic. 191,480; renewed Nov. 11, 1944.
Fletcher, Robert, & Son Limited, Stoneclough, near Manchester, England. Tissue paper, typewriter paper, duplicating paper, etc. 197,340; renewed Apr. 14, 1945.
Franklin Oil & Gas Co., The, Bedford, Ohio. Oil. 197,033; renewed Apr. 7, 1945.
Futter, Carl A., doing business as Carlene's, Chicago, Ill. Liquid make-up. 410,594; Dec. 5; Serial No. 470,444; published Sept. 19, 1944. Class 6.
Gear, L. M., Company. (See Meier, Louis.)
Glaser, Crandell Co., Chicago, Ill. Pickles. 410,647; Dec. 5. Class 46.
Golden Bull Farms, McHenry, Ill. Swine for breeding purposes. 410,581; Dec. 5; Serial No. 468,512; published Sept. 26, 1944. Class 1.
Goodyear Tire & Rubber Company, Akron, Ohio. Vehicle tires. 194,019; renewed Jan. 13, 1945.
Goodyear Tire & Rubber Company, Akron, Ohio. Paints for pneumatic and solid tires and rubber goods. 194,308; renewed Jan. 20, 1945.
Grant Photo Products, Inc., New York, N. Y. Chemical toning solutions used in the development of photographs. 410,600; Dec. 5; Serial No. 470,971; published Sept. 19, 1944. Class 6.
Gray Company, Inc., Minneapolis, Minn. Preparation comprising an absorbent powdered material adapted to remove oil and grease from floors. 410,603; Dec. 5; Serial No. 471,081; published Sept. 26, 1944. Class 4.
Green, Edward I., Atlantic City, N. J. Preparation for sun tanning. 410,648; Dec. 5. Class 6.
Grumbacher, M. (See Grumbacher, Max, assignor.)
Grumbacher, Max, assignor to M. Grumbacher, New York, N. Y., Artists' brushes. 196,206–14; renewed Mar. 10, 1945.
Grunow Groves. (See Majestic Groves Inc.)
Gunklach, Carl E., doing business as The Dayton Insulating Molding Company, Dayton, Ohio. Plastic composition knobs, handles, pulls, and push plates. 410,550; Dec. 5; Serial No. 454,476; published Sept. 26, 1944. Class 13.
Heavenrich, Herbert S., doing business as Myro Manufacturing Co., Milkaukee, Wis. Cleaner compounds for removing scorch and stains. 410,630; Dec. 5. Serial No. 472,003; published Sept. 26, 1944. Class 4.
Heller, B., & Company, Chicago, Ill. Cleansing, washing, and scouring preparation. 193,789; renewed Jan. 6, 1945.

Houge, Evelyn M., Beverly Hills, Calif. Cosmetic oil preparation used as a skin ointment. 410,604; Dec. 5; Serial No. 471,084; published Sept. 19, 1944. Class 6.
Hunt, C. B., & Son, Salem, Ohio. Hose couplers. 196,675; renewed Mar. 24, 1945.
International Nickel Company, Inc., The, New York, N. Y. Nickel and nickel-copper alloy staybolts. 410,558; Dec. 5; Serial No. 461,981; published Sept. 19, 1944; Class 13.
Interstate Paper Products Co., New York, N. Y. Adhesive paper strips and rolls. 410,645; Dec. 5. Class 37.
Ivers-Lee Company, Newark, N. J. Merchandise envelopes. 410,595; Dec. 5; Serial No. 470,454; published July 11, 1944. Class 2.
Jabeson China Co., Inc., New York, N. Y. Ceramic table, cooking and bar ware, vases, etc. 410,561; Dec. 5; Serial No. 463,755; published Sept. 26, 1944. Class 30.
Jossem Brothers, Rochester, N. Y. Picture frames. 410,657; Dec. 5. Class 32.
Kaplan, Rica E., Chicago, Ill. Finger rings. 410,612; Dec. 5; Serial No. 471,310; published Sept. 26, 1944. Class 28.
Katz, Joseph M., Pittsburgh, Pa. Stationery. 410,655; Dec. 5. Class 37.
Kedmont Manufacturing & Waterproofing Co., Chicago, Ill. Material in loose, dry form which, with the addition of water, makes a cementitious grout applicable to concrete and masonry surfaces. 410,599; Dec. 5; Serial No. 470,770; published Sept. 26, 1944. Class 12.
Keller Tool Company. (See Keller, William H., Inc.)
Keller, William H., Inc., Grand Haven, Mich., by change of name to Keller Tool Company. Pneumatic tools. 196,894; renewed Mar. 31, 1945.
Kensington Steel Company, Chicago, Ill. Manganese and steel and rough and partly finished manganese, and steel castings. 410,617; Dec. 5; Serial No. 471,479; published Sept. 26, 1944. Class 14.
Kent Laboratories. (See Seaney, H. Kent.)
Koppers Company, doing business as Bartlett Hayward Division, Baltimore, Md. Propellers, propeller hubs and propeller assemblies. 410,586; Dec. 5; Serial No. 469,569; published Sept. 19, 1944. Class 19.
Landreth, D., Seed Company, Bristol, Pa. Lawn, grass, vegetable, and flower seeds. 410,598; Dec. 5; Serial No. 470,614; published Sept. 26, 1944. Class 1.
Larsen, Louis J., New York, N. Y. Yacht sails, ice-boat sails, skating sails, etc. 190,456; renewed Oct. 14, 1944.
Lawrence, W. W., and Company, Pittsburgh, Pa. Varnish stain (colored varnish). 191,741; renewed Nov. 18, 1944.
Lawrence, W. W., and Company, Pittsburgh, Pa. Varnish stain. 193,192; renewed Dec. 23, 1944.
Lawrence, W. W., and Company, Pittsburgh, Pa. Paint and varnish removers. 193,193; renewed Dec. 23, 1944.
Lawson, Helen, doing business as Servis Pak Co., Los Angeles, Calif. Candy and a macerated fruit confection. 410,587; Dec. 5; Serial No. 469,902; published Sept. 26, 1944. Class 46.
Lawson, Iowen M., New York, N. Y. Phonograph records and player-piano rolls. 197,265; renewed Apr. 14, 1945.
Lighting Fixture & Electric Supply Co., Inc. (See Lighting Fixture & Supply Company Inc.)
Lighting Fixture & Supply Company Inc., New Orleans, La., by change of name to Lighting Fixture & Electric Supply Co., Inc. Electric-lighting units. 197,301; renewed April 14, 1945.
Lily of France Corset Co., assignor, by mesne assignments, to Lily of France Corset Company, Inc., New York, N. Y. Combination corset and brassière. 195,892; renewed Mar. 3, 1945.
Lily of France Corset Company, Inc. (See Lily of France Corset Co., assignor.)
Liverant, Joseph, Montreal, Quebec, Canada. Ladies' slips, brassières, girdles, etc. 410,658; Dec. 5. Class 39.
Los Angeles Pharmacal Co. (See Salazar, Robert.)
Louisiana State Rice Milling Company, Inc., Abbeville, La. Rice. 410,635; Dec. 5; Serial No. 472,526; published Sept. 26, 1944. Class 46.
Maison Jeurelle-Seventeen, Inc., New York, N. Y. Perfumes. 410,613; Dec. 5; Serial No. 471,317; published Sept. 19, 1944. Class 6.
Majestic Groves Inc., also doing business as Grunow Groves, Phoenix, Ariz. Fresh citrus fruits. 410,650; Dec. 5. Class 46.
Mann Fine Chemicals Incorporated, Woodside, Long Island, N. Y. Pharmaceutical preparations and particularly alkaloides. 410,596; Dec. 5; Serial No. 470,577; published Sept. 19, 1944. Class 6.
Marinello Company, La Crosse, Wis., assignor, by mesne assignments, to Sales Affiliates, Inc., New York, N. Y. Face powder, talcum powder and toilet water. 190,321; renewed Oct. 14, 1944.
Marlin Jewelers, Inc., New York, N. Y. Gold jewelry for personal adornment not including watches. 410,619; Dec. 5; Serial No. 471,562; published Sept. 26, 1944. Class 28.
Martin, C. J., & Sons, Austin, Tex. Preparation in dried, liquid, or solid form. 410,605; Dec. 5; Serial No. 471,092; published Sept. 19, 1944. Class 6.
Max Ams, Inc., New York, N. Y. Prune filling for cakes, pies and pastries. 410,631; Dec. 5; Serial No. 472,028; published Sept. 26, 1944. Class 46.
May-Way Mills, Inc. (See Quisenberry Feed Mf'g. Co., assignor.)
Meat Ration Co., Inc., St. Paul, Minn. Prepared dog food. 410,641; Dec. 5. Class 46.
Megnel Company, The, Louisville, Ky. Fiber board and corrugated shipping containers or cartons. 197,383; renewed Apr. 14, 1945.
Meier, Louis, Detroit, Mich., to L. M. Gear Company, East Detroit, Mich., successor. Gears. 192,272; renewed Dec. 2, 1944.
Melvyn, Melvin E., Los Angeles, Calif. Baby furniture. 410,577; Dec. 5; Serial No. 467,459; published Sept. 26, 1944. Class 32.
Merrell-Soule Company, Syracuse, assignor, by mesne assignments, to The Borden Company, New York, N. Y. Mincemeat. 193,767; renewed Jan. 6, 1945.
Merrell, Wm. S., Company, The, Cincinnati, Ohio. Ointment for the treatment of pyogenic infections. 410,620; Dec. 5; Serial No. 471,563; published Sept. 19, 1944. Class 6.
Merrell, Wm. S., Company, The, Cincinnati, Ohio. Preparation in tablet form for use in the treatment of cardiovascular conditions. 410,621; Dec. 5; Serial No. 471,564; published Sept. 19, 1944. Class 6.
Merrell, Wm. S., Company, The, Cincinnati, Ohio. Preparation in ointment form for use in the treatment of anaerobic infections. 410,622; Dec. 5; Serial No. 471,565; published Sept. 19, 1944. Class 6.
Merrell, Wm. S., Company, The, Cincinnati, Ohio. Preparation in tablet form for use in the treatment of allergic and cardiovascular conditions. 410,623; Dec. 5; Serial No. 471,566; published Sept. 19, 1944. Class 6.
Merrell, Wm. S., Company, The, Cincinnati, Ohio. Germicidal solution. 410,624; Dec. 5; Serial No. 471,567; published Sept. 19, 1944. Class 6.
Metalene Chemical Co., The. (See Metalene Chemical Company, The.)
Metalene Chemical Company, The, Cleveland, to The Metalene Chemical Co., Bedford, Ohio. Base oils. 197,031; renewed Apr. 7, 1945.
Metropolitan Finance Corporation of California, Los Angeles, Calif., assignor, by mesne assignments, to Cities Service Oil Company, New York, N. Y. Petroleum products. 190,720; renewed Oct. 21, 1944.
Meyenberg Milk Products Co., Salinas, Calif. Canned evaporated milk. 410,642; Dec. 5. Class 46.
Michigan Seamless Tube Company, South Lyon, Mich. Metal tubing. 410,654; Dec. 5. Class 13.
Morton Manufacturing Corporation, doing business as Blair of Virginia, Lynchburg, Va. Medicated salve. 410,606; Dec. 5; Serial No. 471,096; published Sept. 19, 1944. Class 6.
Mosinee Paper Mills Company, Mosinee, Wis. Wrapping paper. 410,633; Dec. 5; Serial No. 472,394; published Sept. 26, 1944. Class 37.
Muller Products Co., Inc., New York, N. Y. Roasted peppers with capers, olive oil, vinegar, and salt. 410,637; Dec. 5; Serial No. 472,747; published Oct. 3, 1944. Class 46.
Murray-Ohio Manufacturing Company, The. (See Murray Products Company, The, assignor.)
Murray Products Company, The, Detroit, Mich., assignor to The Murray-Ohio Manufacturing Company, Cleveland, Ohio. Physicians' and surgeons' tables, physicians' and surgeons' chairs, and physicians' and surgeons' cabinets. 190,508; renewed Oct. 14, 1944.
Murray Products Company, The, Detroit, Mich., assignor to The Murray-Ohio Manufacturing Company, Cleveland, Ohio. Porch boxes, wash and drain tubs, etc. 191,124; renewed Nov. 4, 1944.
Murray Products Company, The, Detroit, Mich., assignor to The Murray-Ohio Manufacturing Company, Cleveland, Ohio. Furniture, household tables, office tables, etc. 191,555; renewed Nov. 11, 1944.
Myro Manufacturing Co. (See Heavenrich, Herbert S.)
Neustadtl, Henrietta, doing business as Victor Neustadtl, New York, N. Y. Chocolate flavored malt syrup with vitamins. 410,644; Dec. 5. Class 46.
Neustadtl, Victor. (See Neustadtl, Henrietta.)
New Martinsville Glass Company, New Martinsville, W. Va. Glass ash trays, humidors and cigarette boxes. etc. 410,576; Dec. 5; Serial No. 467,352; published Sept. 12, 1944. Class 8.
Nissy, New York, N. Y. Toilet waters and perfumes. 410,590; Dec. 5; Serial No. 470,085; published Sept. 19, 1944. Class 6.
Norco Molded Products, Inc., Chicago, Ill. Ocarina type musical instruments. 410,653; Dec. 5. Class 36.
Operadio Corporation, The, Chicago, assignor, by mesne assignments, to Operadio Manufacturing Co., St. Charles, Ill. Radio receiving sets. 195,491; renewed Feb. 24, 1945.
Operadio Manufacturing Co. (See Operadio Corporation, The, assignor.)
Palace Clothing Company. (See Auerbach & Guettel.)
Parker Pen Company, The, Janesville, Wis. Pen points of precious metal. 410,557; Dec. 5; Serial No. 461,875; published Sept. 26, 1944. Class 28.

Pennsylvania Salt Manufacturing Company, The, Philadelphia, Pa. General cleansing preparation. 197,233; renewed Apr. 14, 1945.
Pennsylvania Salt Manufacturing Company, The, Philadelphia, Pa. Alkaline washing powders, metal cleaners, tile cleaners, etc. 410,588; Dec. 5; Serial No. 469,939; published Sept. 26, 1944. Class 4.
Pinkus, Max, doing business as John Price and Company, Philadelphia, Pa. Bottled mustard, preserved fruits, jellies, etc. 196,740; renewed Mar. 24, 1945.
Pioneer Suspender Company, Philadelphia, Pa. Wallets and billfolds. 410,607; Dec. 5; Serial No. 471,132; published Sept. 26, 1944. Class 3.
Playcraft Products Co., Portland, Oreg. Desks. 410,582; Dec. 5; Serial No. 468,968; published Sept. 26, 1944. Class 32.
Pluswood Incorporated, Oshkosh, Wis. High density resin-impregnated plywood. 410,597; Dec. 5; Serial No. 470,582; published Sept. 26, 1944. Class 12.
Powers, Eugene, Chicago, Ill. Aspirin tablets. 410,610; Dec. 5; Serial No. 471,167; published Sept. 19, 1944. Class 6.
Price, John, and Company. (See Pinkus, Max.)
Principia Corporation, The. (See Trustees of the Principia.)
Purex Products, Incorporated, Baltimore, Md. Medicinal mineral oil, cod liver oil, rubbing alcohol, etc. 410,643; Dec. 5. Class 6.
Quaker Chemical Products Corporation. (See Quaker Oil Products Corporation, assignor.)
Quaker Oil Products Corporation, assignor to Quaker Chemical Products Corporation, Conshohocken, Pa. Oleaginous preparation. 193,487; renewed Dec. 30, 1944.
Quisenberry Feed Mf'g Co., assignor to May-Way Mills, Inc., Kansas City, Mo. Poultry feed. 191,193; renewed Nov. 4, 1944.
Rawlings Manufacturing Company, St. Louis, Mo. Ball-players' gloves and mitts. 410,639; Dec. 5; Serial No. 472,786; published Sept. 26, 1944. Class 22.
Red Cross Chemical Works, Chicago, Ill. Toothache medicine. 410,552; Dec. 5; Serial No. 457,301; published Feb. 29, 1944. Class 6.
Refrigeration Corporation of America, New York, N. Y. Refrigerator storage lockers. 410,563; Dec. 5; Serial No. 464,588; published Sept. 26, 1944. Class 31.
Reichhold Chemicals, Inc., Detroit, Mich. Oils, resins, and resin solutions, etc. 410,574; Dec. 5; Serial No. 467,137; published Sept. 26, 1944. Class 16.
Reid-Avery Company, Baltimore, Md. Ferrous and non-ferrous welding rods, coils of automatic welding electrodes, and ferrous and non-ferrous gas welding wire. 410,584; Dec. 5; Serial No. 469,512; published Sept. 26, 1944. Class 14.
Reliable Products Co., New York, N. Y. Leather goods and imitation leather goods. 410,572; Dec. 5; Serial No. 466,489; published Sept. 26, 1944. Class 3.
Rhode Island Pearl Company, Edgewood, R. I. Jewelry for personal adornment not including watches. 410,636; Dec. 5; Serial No. 472,536; published Sept. 26, 1944. Class 28.
Richey & Gilbert Company, Yakima, Wash. Fresh deciduous fruits. 410,661; Dec. 5; Serial No. 470,999; published Sept. 26, 1944. Class 46.
Ring, Inc., The, New York, N. Y. Periodical issued monthly. 197,235; renewed Apr. 14, 1945.
Rogers, J. & J., Company, Au Sable Forks, N. Y. Writing and printing papers. 196,784; renewed Mar. 31, 1945.
Ropp Pipes, Limited, London, England. Tobacco pipes of wood. 410,611; Dec. 5; Serial No. 471,284; published Sept. 26, 1944. Class 8.
Rutenber Electric Co., The, Marion, Ind. Electric air heater. 196,505; renewed Mar. 17, 1944.
Salazar, Robert, doing business as Los Angeles Pharmacal Co., Los Angeles, Calif. Preparation for the extermination of nits and lice. 410,625; Dec. 5; Serial No. 471,634; published Sept. 19, 1944. Class 5.
Sales Affiliates, Inc. (See Marinello Company, assignor.)
San Fernando Heights Lemon Association. (See San Fernando Heights Lemon Co., assignor.)
San Fernando Heights Lemon Co., assignor to San Fernando Heights Lemon Association, San Fernando, Calif. Fresh citrous fruits. 197,420; renewed Apr. 14, 1945.
Sargent, E. H., & Co., Chicago, Ill. Laboratory equipment and supplies. 410,569; Dec. 5; Serial No. 466,024; published Sept. 26, 1944. Class 26.
Schaeffer, Eugene, New York, N. Y. Medicinal preparations. 410,618; Dec. 5; Serial No. 471,537; published Sept. 19, 1944. Class 6.
Schenley Distilleries, Inc., New York, N. Y. Distillers dried grains. 410,638; Dec. 5; Serial No. 472,790; published Sept. 26, 1944. Class 46.
Schenley Distilleries, Inc., New York, N. Y. Distillers dried grains. 410,640; Dec. 5; Serial No. 472,791; published Sept. 26, 1944. Class 46.
Scripto Manufacturing Company, Atlanta, Ga. Pencil leads. 196,587; renewed Mar. 24, 1945.
Seaney, H. Kent, doing business as Kent Laboratories, Highland Park, Ill. Shampoo for use on pets. 410,562; Dec. 5; Serial No. 463,872; published Sept. 19, 1944. Class 6.
Servis Pak Co. (See Lawson, Helen.)
Society for Visual Education, Inc. (See Society for Visual Education.)
Society for Visual Education to Society for Visual Education, Inc., Chicago, Ill., successor. Picture-projection sets or outfits, picture-projection apparatus and machines, etc. 190,932; renewed Oct. 28, 1944.
Southern Advance Bag & Paper Co. Inc., Bangor, Maine, and Boston, Mass. Kraft wrapping paper. 410,646; Dec. 5. Class 37.
Specific Pharmaceuticals, Inc., New York, N. Y. Sulfathiazole suspension. 410,593; Dec. 5; Serial No. 470,427; published Sept. 19, 1944. Class 6.
Squibb, E. R., & Sons, New York, N. Y. Detergents containing antibacterial substances. 410,608; Dec. 5; Serial No. 471,139; published Sept. 26, 1944. Class 4.
Stanco Incorporated. (See Standard Oil Company (New Jersey), assignor.)
Standard Oil Company (New Jersey), Bayonne, N. J., assignor, by mesne assignments, to Stanco Incorporated, New York, N. Y. Deodorants and disinfectants. 196,392; renewed Mar. 17, 1945.
Standard Stoker Company, Inc., The, New York, N. Y. Fuel stokers. 410,573; Dec. 5; Serial No. 455,851; published May 2, 1944. Class 34.
Stanley, John T., Co., Inc. (See Wineburgh Bros., assignor.)
Stanley, John T., Co., Inc., New York, N. Y. Soap. 195,251; renewed Feb. 17, 1945.
Stanley, John T., Co., Inc., New York, N. Y. Soap. 197,281; renewed Apr. 14, 1945.
Stone, Willis E., doing business as Stone's Process Laboratories, Van Nuys, Calif. Bottom welding flux binder. 410,571; Dec. 5; Serial No. 466,296; published Sept. 19, 1944. Class 6.
Stone's Process Laboratories. (See Stone, Willis E.)
Strozzi, Michael G., doing business as Usoform Laboratories, Buffalo, N. Y. Preparation in powder form within capsules, for the treatment of pains due to headache, neuralgia, toothache, etc. 410,566; Dec. 5; Serial No. 465,156; published Sept. 19, 1944. Class 6.
Surgex Manufacturing Company. (See Wonder Portable Dishwasher Company.)
Sweets Company of America, Inc., The. (See Sweets Company of America, Incorporated, The.)
Sweets Company of America, Incorporated, The, also doing business as The Sweets Company of America, Inc., Hoboken, N. J. Powder which is to be mixed with milk to make puddings and pies. 410,628; Dec. 5. Serial No. 471,887; published Sept. 26, 1944. Class 46.
Swift and Company. (See Swift Provision Co.)
Swift Provision Co., Baltimore, Md., to Swift and Company, Chicago, Ill. Hams, bacon and lard. 25,598; re-renewed Dec. 4, 1944.
Tenacity Manufacturing Company, The, Reading, to The Tenacity Manufacturing Company, Lockland, Ohio. Loose-leaf books, binders, filing apparatus, etc. 197,244; renewed Apr. 14, 1945.
Texas Company, The, Houston, Tex., and New York, assignor, by mesne assignments, to The Texas Company, New York, N. Y. Insecticides. 193,474; renewed Dec. 30, 1944.
Timmerman, B. C., doing business as Timmerman Manufacturing Co., Hibbing, Minn. Toy blocks. 410,591; Dec. 5; Serial No. 470,396; published Sept. 26, 1944. Class 22.
Timmerman Manufacturing Co. (See Timmerman, B. C.)
True, J. F., Dr., & Company, Inc., Auburn, Maine. Laxative. 410,651; Dec. 5. Class 6.
Trustees of the Principia, St. Louis, Mo., by change of name to The Principia Corporation. Printed periodical publications. 194,064; renewed Jan. 13, 1945.
Ulry-Talbert Company, The, Grand Island, Nebr. Canned fruits, canned vegetables, canned berries, etc. 196,787; renewed Mar. 31, 1945.
United Cigar-Whelan Stores Corporation, New York, N. Y. Combs. 410,565; Dec. 5; Serial No. 465,090; published Sept. 19, 1944. Class 40.
United States Gypsum Company, Chicago, Ill. Agricultural lime, agricultural gypsum, and agricultural limestone. 410,551; Dec. 5; Serial No. 456,995; published Sept. 26, 1944. Class 10.
United States Gypsum Company, Chicago, Ill. Gypsum plaster. 410,589; Dec. 5; Serial No. 470,050; published Sept. 26, 1944. Class 12.
United States Products Corporation, San Francisco, assignor to United States Products Corporation, Ltd., San Jose, Calif. Dried and canned fruits and vegetables. 190,872; renewed Oct. 28, 1944.
United States Products Corporation, Ltd. (See United States Products Corporation, assignor.)
United States Time Corporation, The, Waterbury, Conn. Watches. 410,634; Dec. 5; Serial No. 472,441; published Sept. 26, 1944. Class 27.
Usoform Laboratories. (See Strozzi, Michael G.)

Van Herzeele, Henry, doing business as Atkinson Feed Mill, Atkinson, Ill. Feeds for livestock and poultry. 410,583; Dec. 5; Serial No. 469,067; published Sept. 26, 1944. Class 46.

Vernon, S. E. & M., Inc., New York, N. Y. Exercise, composition, memorandum, and note books. 197,239; renewed Apr. 14, 1945.

Vernon, S. E. & M., Inc., New York, N. Y. Blank books, comprising account books, memorandum books, etc. 197,331; renewed Apr. 14, 1945.

Vernon, S. E. & M., Inc., New York, N. Y. Paper. 197,332; renewed Apr. 14, 1945.

Victorius, A. V., & Co., assignor to Elting Brothers, New York, N. Y. Hosiery. 192,713; renewed Dec. 9, 1944.

Viking Corporation, The, Hastings, Mich. Automatic fire sprinkler and parts thereof. 190,589; renewed Oct. 14, 1944.

Vitamin Candies, Ltd. (See Ackles, Melvin S.)

Waldes & Co., Inc., assignor to Waldes Koh-I-Noor, Inc., Long Island City, N. Y. Snap fasteners on cards. 196,801; renewed Mar. 31, 1945.

Waldes Koh-I-Noor, Inc. (See Waldes & Co., Inc., assignor.)

Watchemoket Optical Co. Inc., Providence, R. I. Industrial safety goggles. 410,585; Dec. 5; Serial No. 469,525; published Sept. 26, 1944. Class 26.

Western Reserve Oil Company, The, Cleveland, Ohio, assignor, by mesne assignments, to Cities Service Oil Company, Bartlesville, Okla. Kerosene, gasoline, lubricating oils, and greases. 190,743; renewed Oct. 21, 1944.

Willys-Overland Motors, Inc., Toledo, Ohio. Automobiles and structural parts thereof. 410,592; Dec. 5; Serial No. 470,399; published Sept. 26, 1944. Class 19.

Wineburgh Bros., assignor, by mesne assignments, to John T. Stanley Co., Inc., New York, N. Y. Toilet and medicinal soap and toilet powder. 26,078; renewed Feb. 19, 1945.

Wonder Portable Dishwasher Company, Oakland, by change of name to Surgex Manufacturing Company, San Francisco, Calif. Electrical dishwashing machines. 190,475; renewed Oct. 14, 1944.

Woodville Lime Products Co., The, Toledo, to The Woodville Lime Products Co., Toledo and Woodville, Ohio. Hydrated lime. 197,174; renewed Apr. 14, 1945.

Wuest, Adam, assignor to Adam Wuest, Inc., Cincinnati, Ohio. Mattresses. 197,274; renewed Apr. 14, 1945.

Wuest, Adam, Inc. (See Wuest, Adam, assignor.)

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Cork, sheeted straw and sheet silk, Sheet. Endless Belt Corporation. 196,236; renewed Mar. 10, 1945.

Seeds, Lawn, grass, vegetable, and flower. D. Landreth Seed Company. 410,589; Dec. 5; Serial No. 470,614; published Sept. 26, 1944.

Swine for breeding purposes. Golden Bull Farms. 410,581; Dec. 5; Serial No. 468,512; published Sept. 26, 1944.

CLASS 2

Board and corrugated shipping containers or cartons, Fiber. Mengel Company. 197,383; renewed Apr. 14, 1945.

Boxes, wash and drain tubs, etc., Porch. Murray Products Company. 191,124; renewed Nov. 4, 1944.

Envelopes, Merchandise. Ivers-Lee Company. 410,595; Dec. 5; Serial No. 470,454; published July 11, 1944.

CLASS 3

Bags and traveling bags, purses, brief cases, etc., Ladies' hand. Allied Manufacturing and Trading Company. 410,579; Dec. 5; Serial No. 467,993; published Sept. 26, 1944.

Leather goods and imitation leather goods. Reliable Products Co. 410,572; Dec. 5; Serial No. 466,489; published Sept. 26, 1944.

Wallets and billfolds. Pioneer Suspender Company. 410,607; Dec. 5; Serial No. 471,132; published Sept. 26, 1944.

CLASS 4

Cleaner, cleanser and detergent, Sudsing. Colgate-Palmolive-Peet Company. 410,626; Dec. 5; Serial No. 471,698; published Sept. 26, 1944.

Cleaner compounds for removing scorch and stains. H. S. Heavenrich. 410,630; Dec. 5; Serial No. 472,003; published Sept. 26, 1944.

Cleansing preparation, General. Pennsylvania Salt Manufacturing Company. 197,233; renewed Apr. 14, 1945.

Cleansing, washing, and scouring preparation. B. Heller & Company. 193,789; renewed Jan. 6, 1945.

Cream, Shaving. S. Albert. 410,568; Dec. 5; Serial No. 465,885; published June 13, 1944.

Detergents containing antibacterial substances. E. R. Squibb & Sons. 410,608; Dec. 5; Serial No. 471,139; published Sept. 26, 1944.

Preparation comprising an absorbent powdered material adapted to remove oil and grease from floors. Gray Company, Inc. 410,603; Dec. 5; Serial No. 471,081; published Sept. 26, 1944.

Soap. John T. Stanley Co. 195,251; renewed Feb. 17, 1945.

Soap. John T. Stanley Co. 197,281; renewed Apr. 14, 1945.

Washing powders, metal cleaners, tile cleaners, etc. Pennsylvania Salt Manufacturing Company. 410,588; Dec. 5; Serial No. 469,939; published Sept. 26, 1944.

CLASS 6

Bath salts. R. H. Clark. 410,559; Dec. 5; Serial No. 462,247; published Sept. 19, 1944.

Chemical preparation. Bray Chemical Co. 410,609; Dec. 5; Serial No. 471,143; published Sept. 19, 1944.

Chemical preparation used to prevent the growth of fungi and bacteria in the treatment of oils, greases, waxes, etc. Baltimore Engineering & Chemical Co. 410,602; Dec. 5; Serial No. 471,064; published Sept. 19, 1944.

Chemical toning solutions used in the development of phonographs. Grant Photo Products, Inc. 410,600; Dec. 5; Serial No. 470,971; published Sept. 19, 1944.

Clay, Chemically-treated colloidal. Filtrol Company. 195,212; renewed Feb. 17, 1945.

Cosmetic oil preparation used as a skin ointment. E. M. Houge. 410,604; Dec. 5; Serial No. 471,084; published Sept. 19, 1944.

Cream for removing make-up and cleansing the skin, Nonlathering. Edmond Queen Marie's Beautician, Inc. 410,660; Dec. 5.

Cyanide compound. Ecco Chemical Corporation. 410,616; Dec. 5; Serial No. 471,447; published Sept. 19, 1944.

Deodorants and disinfectants. Standard Oil Company (New Jersey). 196,392; renewed Mar. 17, 1945.

Flux binder, Bottom welding. W. E. Stone. 410,571; Dec. 5; Serial No. 466,296; published Sept. 19, 1944.

Germicidal solution. Wm. S. Merrell Company. 410,624; Dec. 5; Serial No. 471,567; published Sept. 19, 1944.

Insecticide and rodent exterminator. American Cyanamide Company. 193,386; renewed Dec. 30, 1944.

Insecticides. Texas Company. 193,474; renewed Dec. 30, 1944.

Laxative. Dr. J. F. True & Company. 410,651; Dec. 5.

Make-up, Liquid. C. A. Futter. 410,594; Dec. 5; Serial No. 470,444; published Sept. 19, 1944.

Medicinal preparation. Brewer & Company. 197,140–1; renewed Apr. 14, 1945.

Medicinal preparation. Brewer & Company. 197,371; renewed Apr. 14, 1945.

Medicinal preparations. E. Schaeffer. 410,618; Dec. 5; Serial No. 471,537; published Sept. 19, 1944.

Oil, cod liver oil, rubbing alcohol, etc., Medicinal mineral. Purex Products, Incorporated. 410,643; Dec. 5.

Ointment for the treatment of pyogenic infections. Wm. S. Merrell Company. 410,620; Dec. 5; Serial No. 471,563; published Sept. 19, 1944.

Oleaginous preparation. Quaker Oil Products Corporation. 193,487; renewed Dec. 30, 1944.

Perfumes. Maison Jourelle-Seventeen, Inc. 410,613; Dec. 5; Serial No. 471,317; published Sept. 19, 1944.

Perfumes, toilet waters, and sachets. M. Baker. 410,649; Dec. 5.

Pharmaceutical preparations and particularly alkaloids. Mann Fine Chemicals Incorporated. 410,596; Dec. 5; Serial No. 470,577; published Sept. 19, 1944.

Powder for relieving hay fever, Medicinal. J. K. Baranski. 410,614; Dec. 5; Serial No. 471,384; published Sept. 19, 1944.

Powder, talcum powder, and toilet water, Face. Marinello Company. 190,321; renewed Oct. 14, 1944.

Preparation for sun tanning. E. I. Green. 410,648; Dec. 5.

Preparation for the extermination of nits and lice. R. Salazar. 410,625; Dec. 5; Serial No. 471,634; published Sept. 19, 1944.

Preparation in dried, liquid or solid form. C. J. Martin & Sons. 410,605; Dec. 5; Serial No. 471,092; published Sept. 19, 1944.

Preparation in ointment form for use in the treatment of anaerobic infections. Wm. S. Merrell Company. 410,622; Dec. 5; Serial No. 471,565; published Sept. 19, 1944.

Preparation in powder form within capsules, for the treatment of pains due to headache, neuralgia, toothache, etc. M. G. Strozzi. 410,566; Dec. 5; Serial No. 465,156; published Sept. 19, 1944.

Preparation in tablet form for use in the treatment of allergic and cardiovascular conditions. Wm. S. Merrell Company. 410,623; Dec. 5; Serial No. 471,566; published Sept. 19, 1944.

Preparation in tablet form for use in the treatment of cardiovascular conditions. Wm. S. Merrell Company. 410,621; Dec. 5; Serial No. 471,564; published Sept. 19, 1944.

Salve, Medicated. Morton Manufacturing Corporation. 410,606; Dec. 5; Serial No. 471,096; published Sept. 19, 1944.

Shampoo for use on pets. H. K. Seaney. 410,562; Dec. 5; Serial No. 463,872; published Sept. 19, 1944.

Soap and toilet powder, Toilet and medicinal. Wineburgh Bros. 26,078, re-renewed Feb. 19, 1945.

Sulfathiazole suspension. Specific Pharmaceuticals, Inc. 410,593; Dec. 5; Serial No. 470,427; published Sept 19, 1944.

Tablets, Aspirin. E. Powers. 410,610; Dec. 5; Serial No. 471,167; published Sept. 19, 1944.

Toilet waters and perfumes. Nissy. 410,590; Dec. 5; Serial No. 470,085; published Sept. 19, 1944.

Tonic, Hair. F. W. Fitch Company. 191,480; renewed Nov. 11, 1944.

Toothache medicine. Red Cross Chemical Works. 410,552; Dec. 5; Serial No. 457,301; published Feb. 29, 1944.

CLASS 8

Ash trays, humidors and cigarette boxes, etc., Glass. New Martinsville Glass Company. 410,576; Dec. 5. Serial No. 467,352; published Sept. 12, 1944.

Pipes, cigar and cigarette holders, etc. Alfred Dunhill of London, Inc. 191,798; renewed Nov. 18, 1944.

Pipes of wood, Tobacco. Ropp Pipes, Limited. 410,611; Dec. 5; Serial No. 471,284; published Sept. 26, 1944.

CLASS 10

Lime, gypsum and limestone, Agricultural. United States Gypsum Company. 410,551; Dec. 5; Serial No. 456,995; published Sept. 26, 1944.

CLASS 11

Carbon paper, typewriter ribbons and transfer tapes and inking materials. Continental Lithograph Corporation. 410,555; Dec. 5; Serial No. 460,495; published Sept. 26, 1944.

CLASS 12

Cement floors, mailing base for concrete, metallic finished floors, etc. Cement Finish Co. Inc. 193,406; renewed Dec. 30, 1944.

Lime, Hydrated. Woodville Lime Products Co. 197,174; renewed Apr. 14, 1945.

Material in loose, dry form which, with the addition of water, makes a cementitious grout applicable to concrete and masonry surfaces. Kedmont Manufacturing & Waterproofing Co. 410,599; Dec. 5; Serial No. 470,770; published Sept. 26, 1944.

Plaster, Gypsum. United States Gypsum Company. 410,589; Dec. 5; Serial No. 470,050; published Sept. 26, 1944.

Plywood, High density resin-impregnated. Pluswood Incorporated. 410,597; Dec. 5; Serial No. 470,582; published Sept. 26, 1944.

Ties, soffit hangers and screeds supports, Concrete form. C. P. Concrete Equipment Co. 410,578; Dec. 5; Serial No. 468,279; published Sept. 26, 1944.

CLASS 13

Couplers, Hose. C. B. Hunt & Son. 196,675; renewed Mar. 25, 1945.

Fire sprinkler systems and parts thereof, Automatic. Viking Corporation. 190,589; renewed Oct. 14, 1944.

Knobs, handles, pulls, and push plates, Plastic composition. C. E. Gunklach. 410,550; Dec. 5; Serial No. 454,476; published Sept. 26, 1944.

Nickel and nickel-copper alloy staybolts. International Nickel Company. 410,558; Dec. 5; Serial No. 461,981; published Sept. 19, 1944.

Tubing, Metal. Michigan Seamless Tube Company. 410,654; Dec. 5.

Valves, Pulsation dampening. J. A. Campbell. 410,564; Dec. 5; Serial No. 464,989; published Sept. 26, 1944.

CLASS 14

Manganese and steel and rough and partly finished manganese, and steel castings. Kensington Steel Company. 410,617; Dec. 5; Serial No. 471,479; published Sept. 26, 1944.

Rods, coils of automatic welding electrodes, and ferrous and non-ferrous gas welding wire, Ferrous and non-ferrous welding. Reid-Avery Company. 410,584; Dec. 5; Serial No. 469,512; published Sept. 26, 1944.

Upset forgings. American Forge Company. 192,921; renewed Dec. 16, 1944.

CLASS 15

Grease, Solvent resistant lubricating. Chemotek Manufacturing Company. 410,629; Dec. 5; Serial No. 471,943; published Sept. 26, 1944.

Kerosene, gasoline, lubricating oils, and greases. Western Reserve Oil Company. 190,743; renewed Oct. 21, 1944.

Liquid composition in the nature of an oil for the lubrication of, and rust prevention on firearms, firearm parts and firearm accessories. Alox Corporation. 410,554; Dec. 5; Serial No. 460,133; published Sept. 26, 1944.

Oil, Franklin Oil & Gas Co. 197,033; renewed Apr. 7, 1945.

Oil composition for the preservation and lubrication of firearms, firearm parts and firearm accessories. Alox Corporation. 410,553; Dec. 5; Serial No. 460,132; published Sept. 26, 1944.

Oils, Base. Metalene Chemical Company. 197,031; renewed Apr. 7, 1945.

Petroleum products. Metropolitan Finance Corporation of California. 190,720; renewed Oct. 21, 1944.

CLASS 16

Carbon black. Godfrey L. Cabot, Inc. 190,940; renewed Oct. 28, 1944.

Oils, resins, and resin solutions, etc. Reichhold Chemicals, Inc. 410,574; Dec. 5; Serial No. 467,137; published Sept. 26, 1944.

Paint and varnish removers. W. W. Lawrence and Company. 193,193; renewed Dec. 23, 1944.

Paints for pneumatic and solid tires and rubber goods. Goodyear Tire & Rubber Company. 194,308; renewed Jan. 20, 1945.

Paints, lacquers and paint enamels, Ready mixed. Arco Company. 410,632; Dec. 5; Serial No. 472,313; published Sept. 26, 1944.

Stain (colored varnish), Varnish. W. W. Lawrence and Company. 191,741; renewed Nov. 18, 1944.

Stain, Varnish. W. W. Lawrence and Company. 193,192; renewed Dec. 23, 1944.

CLASS 19

Aircraft and pick-up units, Pick-up and towing. All American Aviation, Inc. 410,575; Dec. 5; Serial No. 467,224; published Sept. 19, 1944.

Automobiles and structural parts thereof. Willys-Overland Motors, Inc. 410,592; Dec. 5; Serial No. 470,399; published Sept. 26, 1944.

Propellers, propeller hubs and propeller assemblies. Koppers Company. 410,586; Dec. 5; Serial No. 469,569; published Sept. 19, 1944.

Sails, ice-boat sails, skating sails, etc., Yacht. L. J. Larsen. 190,456; renewed Oct. 12, 1944.

Wheels, Car. American Brake Shoe Company. 410,556; Dec. 5; Serial No. 461,185; published Sept. 19, 1944.

CLASS 21

Dishwashing machines, Electrical. Wonder Portable Dishwasher Company. 190,475; renewed Oct. 14, 1944.

Electric-lighting units. Lighting Fixture & Supply Company, Inc. 197,301; renewed Apr. 14, 1945.

Heater, Electric air. Rutenber Electric Company. 196,505; renewed Mar. 17, 1945.

Motors, generators, rotary converters, etc., Electric. Louis Allis Company. 191,628; renewed Nov. 11, 1944.

Radio receiving sets. Operadio Corporation. 195,491; renewed Feb. 24, 1945.

CLASS 22

Bait, Artificial. F. Arbogast. 410,656; Dec. 5.

Gloves and mitts, Ball-players'. Rawlings Manufacturing Company. 410,639; Dec. 5; Serial No. 472,786; published Sept. 26, 1944.

Toy blocks. B. C. Timmerman. 410,591; Dec. 5; Serial No. 470,396; published Sept. 26, 1944.

CLASS 23

Gears. L. Meier. 192,272; renewed Dec. 2, 1944.

Tools, Pneumatic. William H. Keller, Inc. 196,894; renewed Mar. 31, 1945.

CLASS 24

Washing machines, Laundry. Birtman Electric Company. 410,567; Dec. 5; Serial No. 465,862; published Sept. 26, 1944.

CLASS 26

Films, Photographic. Eastman Kodak Company. 192,432; renewed Dec. 2, 1944.

Goggles, Industrial safety. Watchemoket Optical Co. Inc. 410,585; Dec. 5; Serial No. 469,525; published Sept. 26, 1944.

Laboratory equipment and supplies. E. H. Sargent & Co. 410,569; Dec. 5; Serial No. 466,024; published Sept. 26, 1944.

Photographic sensitized materials. Eastman Kodak Company. 192,433; renewed Dec. 2, 1944.

Photographic sensitized materials. Eastman Kodak Company. 192,435; renewed Dec. 2, 1944.

Picture-projection sets or outfits, picture-projection apparatus and machines, etc. Society for Visual Education. 190,932; renewed Oct. 28, 1944.

CLASS 27

Watches. United States Time Corporation. 410,634; Dec. 5; Serial No. 472,441; published Sept. 26, 1944.

CLASS 28

Jewelry for personal adornment not including watches. Rhode Island Pearl Company. 410,636; Dec. 5; Serial No. 472,536; published Sept. 26, 1944.
Jewelry for personal adornment not including watches. Gold. Marlin Jewelers, Inc. 410,619; Dec. 5; Serial No. 471,562; published Sept. 26, 1944.
Necklaces and bracelets not including watches, finger rings, earrings, etc. Coro, Inc. 410,627; Dec. 5; Serial No. 471,700; published Sept. 26, 1944.
Pen points of precious metal. Parker Pen Company. 410,557; Dec. 5; Serial No. 461,875; published Sept. 26, 1944.
Rings, Finger. R. E. Kaplan. 410,612; Dec. 5; Serial No. 471,310; published Sept. 26, 1944.

CLASS 29

Brushes, Artists'. M. Grumbacher. 196,206–14; renewed Mar. 10, 1945.

CLASS 30

Ceramic table, cooking and bar ware, vases, etc. Jabeson China Co. 410,561; Dec. 5; Serial No. 463,755; published Sept. 26, 1944.

CLASS 31

Lockers, Refrigerator storage. Refrigeration Corporation of America. 410,563; Dec. 5; Serial No. 464,588; published Sept. 26, 1944.

CLASS 32

Desks. Playcraft Products Co. 410,582; Dec. 5; Serial No. 468,968; published Sept. 26, 1944.
Frames, Picture. Jossem Brothers. 410,657; Dec. 5.
Furniture, and dinette tables and chairs, Living room. John A. Dunn Corporation. 410,560; Dec. 5; Serial No. 462,912; published Sept. 26, 1944.
Furniture, Baby. M. E. Melvyn. 410,577; Dec. 5; Serial No. 467,459; published Sept. 26, 1944.
Furniture, household tables, office tables, etc. Murray Products Company. 191,555; renewed Nov. 11, 1944.
Furniture, Kitchen. Aluminum Cooking Utensil Company. 410,615; Dec. 5; Serial No. 471,466; published Sept. 26, 1944.
Mattresses. A. Wuest. 197,274; renewed Apr. 14, 1945.
Shades, Porch and window. Aeroshade Company. 197,251; renewed Apr. 14, 1945.

CLASS 34

Stokers, Fuel. Standard Stoker Company. 410,573; Dec. 5; Serial No. 466,851; published May 2, 1944.

CLASS 35

Tires, Vehicle. Goodyear Tire & Rubber Company. 194,019; renewed Jan. 13, 1945.

CLASS 36

Musical instruments, Ocarina. Norco Molded Products, Inc. 410,653; Dec. 5.
Records and player-piano rolls, Phonograph. I. M. Lawson. 197,265; renewed Apr. 14, 1945.

CLASS 37

Books, binders, filing apparatus, Loose-leaf. Tenacity Manufacturing Company. 197,244; renewed Apr. 14, 1945.
Books, comprising account books, memorandum books, etc., Blank. S. E. & M. Vernon Inc. 197,331; renewed Apr. 14, 1945.
Books, Exercise, composition, memorandum, and note. S. E. & M. Vernon Inc. 197,239; renewed Apr. 14, 1945.
Leads, Pencil. Scripto Manufacturing Company. 196,587; renewed Mar. 24, 1945.
Paper. S. E. & M. Vernon Inc. 197,332; renewed Apr. 14, 1945.
Paper, Coated printing. Bryant Paper Company. 410,659; Dec. 5.
Paper strips and rolls, Adhesive. Interstate Paper Products Co. 410,645; Dec. 5.
Paper, typewriter paper, duplicating paper, etc., Tissue. Robert Fletcher & Son Limited. 197,340; renewed Apr. 14, 1945.
Paper, Wrapping. Mosinee Paper Mills Company. 410,633; Dec. 5; Serial No. 472,394; published Sept. 26, 1944.
Papers, Writing and printing. J. & J. Rogers Company. 196,784; renewed Mar. 31, 1945.
Stationery. J. M. Katz. 410,655; Dec. 5.
Wrapping paper, Kraft. Southern Advance Bag & Paper Co. Inc. 410,646; Dec. 5.

CLASS 38

Newspaper articles in box form. Daily Trade Record Company of New York. 192,979; renewed Dec. 16, 1944.
Periodical issued monthly. Ring, Inc. 197,235; renewed Apr. 14, 1945.
Periodical publications, Printed. Trustees of The Principia. 194,064; renewed Jan. 13, 1945.

CLASS 39

Articles of clothing for women, misses, and children. B. Altman & Co. 197,116; renewed Apr. 7, 1945.
Bands, aprons, baby buntings, etc., Abdominal. E. J. Feisel. 193,724; renewed Jan. 6, 1945.
Corset and brassière, Combination. Lily of France Corset Co. 195,892; renewed Mar. 3, 1945.
Dresses, suits, coats, etc., Women's, misses', and juniors' ready-to-wear. Bettermade Garment Co. 410,652; Dec. 5.
Hosiery. A. V. Victorius & Co. 192,713; renewed Dec. 9, 1944.
Slips, brassières, girdles, etc., Ladies'. J. Liverant. 410,658; Dec. 5.
Suits, Men's and boys'. Auerbach & Guettel. 197,093; renewed Apr. 7, 1945.

CLASS 40

Combs. United-Cigar-Whelan Stores Corporation. 410,565; Dec. 5; Serial No. 465,090; published Sept. 19, 1944.
Fasteners on cards, Snap. Waldes & Co. 196,801; renewed Mar. 31, 1945.

CLASS 42

Fabrics in the pieces, woven, knitted, textile and pile fabrics. Cheney Brothers. 195,566; renewed Feb. 24, 1945.

CLASS 43

Thread, Cotton. American Thread Company. 195,597; renewed Feb. 24, 1945.

CLASS 44

Tables, physicians' and surgeons' chairs, physicians' and surgeons' cabinets, Physicians' and surgeons'. Murray Products Company. 190,508; renewed Oct. 14, 1944.

CLASS 46

Candies. M. S. Ackles. 410,570; Dec. 5; Serial No. 466,115; published Sept. 26, 1944.
Candy and a macerated fruit confection. H. Lawson. 410,587; Dec. 5; Serial No. 469,902; published Sept. 26, 1944.
Canned evaporated milk. Meyenberg Milk Products Co. 410,642; Dec. 5.
Canned fruits, canned vegetables, canned berries, etc. Ulry-Talbert Company. 196,787; renewed Mar. 31, 1945.
Chocolate, Eating. Ambrosia Chocolate Co. 190,468; renewed Oct. 14, 1944.
Dog food, Prepared. Meat Ration Co. 410,641; Dec. 5.
Dried grains, Distillers. Schenley Distilleries, Inc. 410,638; Dec. 5; Serial No. 472,790; published Sept. 26, 1944.
Dried grains, Distillers. Schenley Distilleries, Inc. 410,640; Dec. 5; Serial No. 472,791; published Sept. 26, 1944.
Feed, Poultry. Quisenberry Feed Mf'g. Co. 191,193; renewed Nov. 4, 1944.
Feeds for livestock and poultry. H. Van Herzeele. 410,583; Dec. 5; Serial No. 469,067; published Sept. 26, 1944.
Filling for cakes, pies, and pastries, Prune. Max Ams, Inc. 410,631; Dec. 5; Serial No. 472,028; published Sept. 26, 1944.
Fruits and vegetables, Dried and canned. United States Products Corporation. 190,872; renewed Oct. 28, 1944.
Fruits, Fresh citrous. San Fernando Heights Lemon Co. 197,420; renewed Apr. 14, 1945.
Fruits, Fresh citrus. Majestic Groves, Inc. 410,650; Dec. 5.
Fruits, Fresh deciduous. Richey & Gilbert Company. 410,661; Dec. 5; Serial No. 470,999; published Sept. 26, 1944.
Hams, bacon and lard. Swift Provision Co. 25,598; renewed Dec. 4, 1944.
Malt syrup with vitamins, Chocolate flavored. H. Neustadtl. 410,644; Dec. 5.
Mincemeat. Merrell-Soule Company. 193,767; renewed Jan. 6, 1945.
Mustard, preserved fruits, jellies, etc., Bottled. M. Pinkus. 196,740; renewed Mar. 24, 1945.
Peppers with capers, olive oil, vinegar and salt, Roasted. Muller Products Co. 410,637; Dec. 5; Serial No. 472,747; published Oct. 3, 1944.
Pickles. Glaser, Crandell Co. 410,647; Dec. 5.
Powder which is to be mixed with milk to make puddings and pies. Sweets Company of America, Incorporated. 410,628; Dec. 5; Serial No. 471,887; published Sept. 26, 1944.
Rice. Louisiana State Rice Milling Company. 410,635; 468,337; published Sept. 26, 1944.

CLASS 50

Closures. G. I. Butler. 410,580; Dec. 5; Serial No. Dec. 5; Serial No. 472,526; published Sept. 26, 1944.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 5TH DAY OF DECEMBER, 1944

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Collins, Arthur A., Cedar Rapids, Iowa. Control system and apparatus. Re. 22,574; Dec. 5.
Delamere Company Inc. (See Huppert, William, assignor.)
Huppert, William, New York, N. Y., assignor to Delamere Company Inc. Comb. Re. 22,573; Dec. 5.

LIST OF PLANT PATENTEES

Armacost & Royston, Inc. (See Hartgerink, Conrad, assignor.)
Hartgerink, Conrad, assignor to Armacost & Royston, Inc., West Los Angeles, Calif. Rose plant. 647; Dec. 5.

LIST OF DESIGN PATENTEES

Adams, Gilford D., Butterfield, assignor of eleven-sixteenths to F. L. Barber, Cassville, Mo. Cream pitcher, or similar article. 139,638; Dec. 5.
American Optical Company. (See Ellis, Charles A., assignor.)
Barbel, Jacob, New York, N. Y. Jacket. 139,658; Dec. 5.
Barbel, Jacob, New York, N. Y. Jacket. 139,659; Dec. 5.
Barbel, Jacob, New York, N. Y. Jacket. 139,660; Dec. 5.
Barbel, Jacob, New York, N. Y. Jacket. 139,661; Dec. 5.
Barber, Floyd L. (See Adams, Gilford D., assignor.)
Belknap, Eugene M., Toledo, Ohio. Wheeled toy. 139,591; Dec. 5.
Belknap, Eugene M., Toledo, Ohio. Wheeled toy. 139,592; Dec. 5.
Berry, Edward, Indianapolis, Ind. Child's play pen. 139,662; Dec. 5.
Bohn Aluminum & Brass Corporation. (See Walker, George W., assignor.)
Bressler, Althea J., Glassboro, N. J., assignor of one-half to C. B. Kain. Doll. 139,593; Dec. 5.
Brokate, John, Meriden, Conn., assignor to National Silver Company, New York, N. Y. Spoon or other article of flatware. 139,599; Dec. 5.
Brokate, John, Meriden, Conn., assignor to National Silver Company, New York, N. Y. Spoon or other article of flatware. 139,600; Dec. 5.
California Aero Glider Co. (See Jensen, Volmer S., assignor.)
Camp, William M., Glen Ridge, N. J. Traveler for twisting ring. 139,626; Dec. 5.
Camp, William M., Glen Ridge, N. J. Traveler for spinning ring. 139,627; Dec. 5.
Casso, Bessie, assignor to M. Silver, doing business as Sufix Manufacturing Co., Boston, Mass. Slipper. 139,601; Dec. 5.
Chapman, David, Chicago, Ill., assignor to Ray-O-Vac Company, Madison, Wis. Flashlight. 139,628; Dec. 5.
Cofax Corporation, The. (See Kahn, Milton, assignor.)
Davidson, Wallace A., South San Francisco, Calif. Ash tray. 139,639; Dec. 5.
Doty, Boyd A., assignor to Hard Manufacturing Company, Buffalo, N. Y. Overbed table. 139,629; Dec. 5.
Dumore Company, The. (See Stevens, Clifford B., assignor.)
Ellis, Charles A., assignor to American Optical Company, Southbridge, Mass. Diagnostic instrument. 139,602; Dec. 5.
Frazita, Josephine, New York, N. Y. Dress. 139,603; Dec. 5.
Frazita, Josephine, New York, N. Y. Dress. 139,604; Dec. 5.
Fuchs, Leon, St. Louis, Mo. Medicine spoon. 139,605; Dec. 5.
Goldberg, James, New York, N. Y. Handbag. 139,606; Dec. 5.
Greenwald, Milton S., Los Angeles, Calif. Lighting fixture. 139,663; Dec. 5.
Gruber, Abe, New York, N. Y. Suit. 139,640; Dec. 5.
Gruber, Abe, New York, N. Y. Suit. 139,641; Dec. 5.
Gruber, Abe, New York, N. Y. Suit. 139,642; Dec. 5.
Gruber, Abe, New York, N. Y. Suit. 139,643; Dec. 5.
Gruber, Abe, New York, N. Y. Suit. 139,644; Dec. 5.
Gruber, Abe, New York, N. Y. Suit. 139,645; Dec. 5.
Gruber, Abe, New York, N. Y. Suit. 139,646; Dec. 5.
Gruber, Abe, New York, N. Y. Suit. 139,647; Dec. 5.
Gruber, Abe, New York, N. Y. Suit. 139,648; Dec. 5.
Gruber, Abe, New York, N. Y. Suit. 139,649; Dec. 5.
Gruber, Abe, New York, N. Y. Suit. 139,650; Dec. 5.
Gruber, Abe, New York, N. Y. Suit. 139,651; Dec. 5.
Gruber, Abe, New York, N. Y. Suit. 139,652; Dec. 5.
Gruber, Abe, New York, N. Y. Suit. 139,653; Dec. 5.
Gruber, Abe, New York, N. Y. Coat. 139,654; Dec. 5.
Gudt, Rose A., New York, N. Y. Doll or similar article. 139,594; Dec. 5.
Halber, Leon, assignor to Haldee Leather Products Co., Inc., New York, N. Y. Combined billfold, change purse, and key holder. 139,607; Dec. 5.
Haldee Leather Products Co. (See Halber, Leon, assignor.)
Hard Manufacturing Company. (See Doty, Boyd A., assignor.)
Holophane Company. (See Lippincott, Joshua G., assignor.)
Jacobson, Alfred M., Houston, Tex. Combined cutlery grinder fan, guide, and whetting disk. 139,608; Dec. 5.
Jaeger, Kurt, Plainfield, N. J. Layout scale. 139,609; Dec. 5.
Jensen, Volmer S., Glendale, Calif., assignor to California Aero Glider Co., Inc. Motorized preflight trainer. 139,664; Dec. 5.
Jorgensen, Samuel, Fresno, Calif. Fish lure. 139,655; Dec. 5.
Kahn, Milton, New York, assignor to The Cofax Corporation, Long Island City, N. Y. Tape dispenser unit. 139,665; Dec. 5.
Kain, Charles B. (See Bressler, Althea J., assignor.)
Kinney Aluminum Company. (See Shaeffer, Norbert, assignor.)
Klein, Alexander, New York, N. Y. Ring. 139,666; Dec. 5.
Klein, Alexander, New York, N. Y. Ring. 139,667; Dec. 5.
Levetus, Hubert, Montreal, Quebec, Canada. Shoe. 139,610; Dec. 5.
Levin, Julius E., Chicago, Ill. Pipe gauge or similar article. 139,611; Dec. 5.
Lilly, Thomas R., Roxbury, Conn. Coaming bar. 139,668; Dec. 5.
Lippincott, Joshua G., Scarsdale, assignor to Holophane Company, Inc., New York, N. Y. Lighting fixture body. 139,669; Dec. 5.
Lippincott, Joshua G., Scarsdale, assignor to Holophane Company, Inc., New York, N. Y. Ceiling lighting fixture. 139,670; Dec. 5.
National Silver Company. (See Brokate, John, assignor.)
Norton, Beatrice S., Los Angeles, Calif. Eyeglasses. 139,613; Dec. 5.
Norton, Murray R., Birmingham, Ala. Lady's handbag. 139,612; Dec. 5.
Nudelman, Eoina, Chicago, Ill. Cradle toy. 139,595; Dec. 5.
Pereira, Belmiro, New York, N. Y. Combined bracelet and watch. 139,671; Dec. 5.
Piana, Gaetano E., Brentwood, N. Y. Sport stocking. 139,614; Dec. 5.
Preas, Robert H., Vernal, Utah. Watch band. 139,596; Dec. 5.
Ray-O-Vac Company. (See Chapman, David, assignor.)
Reed, James L., Central, N. Mex. Charm or similar article. 139,615; Dec. 5.
Reinsberg, Adolph, Chicago, Ill. Hat. 139,616; Dec. 5.

Reynolds, George E., Gardena, Calif. Electrode holder. 139,672; Dec. 5.
Rich, Ivor, New York, N. Y. Lipstick case. 139,617; Dec. 5.
Robinson, Allan, Boston, Mass. Figurine. 139,656; Dec. 5.
Scheppler, Edith F., New York, N. Y. Woman's hat. 139,618; Dec. 5.
Schreiber, Dezsö, Brooklyn, N. Y. Slipper sock or similar article. 139,619; Dec. 5.
Schumacher, Edward G., Buffalo, N. Y. Quoit game target. 139,597; Dec. 5.
Schumacher, Edward G., Buffalo, N. Y. Quoit game target. 139,598; Dec. 5.
Shaeffer, Norbert, assignor to Kinney Aluminum Company, Los Angeles, Calif. Handle for cooking vessels or the like. 139,657; Dec. 5.
Silver, Matilda, et al. (See Casso, Bessie, assignor.)
Stevens, Clifford B., Milwaukee, assignor to The Dunmore Company, Racine, Wis. F loor polisher. 139,620; Dec. 5.
Stevens, Clifford B., Milwaukee, assignor to The Dunmore Company, Racine, Wis. Floor polisher. 139,621; Dec. 5.
Stevens, Clifford B., Milwaukee, assignor to The Dunmore Company, Racine, Wis. Floor polisher. 139,622; Dec. 5.
Stevens, Clifford B., Milwaukee, assignor to The Dunmore Company, Racine, Wis. Floor polisher. 139,623; Dec. 5.
Stevens, Clifford B., Milwaukee, assignor to The Dunmore Company, Racine, Wis. Floor polisher. 139,624; Dec. 5.
Sufix Manufacturing Co., et al. (See Casso, Bessie.)
Wade, Jessie M., Los Angeles, Calif. Cradle. 139,630; Dec. 5.
Walker, George W., Pleasant Ridge, assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich. Automobile. 139,631; Dec. 5.
Walker, George W., Pleasant Ridge, assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich. Helicopter. 139,632; Dec. 5.
Walker, George W., Pleasant Ridge, assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich. Bus. 139,633; Dec. 5.
Walker, George W., Pleasant Ridge, assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich. Airplane. 139,634; Dec. 5.
Walker, George W., Pleasant Ridge, assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich. Tractor. 139,635; Dec. 5.
Walker, George W., Pleasant Ridge, assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich. Automobile. 139,636; Dec. 5.
Walker, George W., Pleasant Ridge, assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich. Truck. 139,637; Dec. 5.
Woodbury, Robert L., U. S. Army, Litchfield, Conn. Climber. 139,625; Dec. 5.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 5TH DAY OF DECEMBER, 1944

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Ackerman-Blaesser-Fezzey, Inc. (See Ackerman, E. L., and Crump, assignors.)
Ackerman, Edward L., and A. V. Crump, assignors to Ackerman-Blaesser-Fezzey, Inc., Detroit, Mich. Power operated window regulator. 2,364,181; Dec. 5.
Agriculture of the United States of America, C. R. Wickard and his successors in office, Secretary of. (See Smith, Wiley C., assignor.)
Agruss, Meyer S. (See Ayers, G. W., Jr., Agruss, and Bell.)
Ahlstrom, Edward F., Kansas City, Mo., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Gauging instrument. 2,364,182; Dec. 5.
Aktiengesellschaft Brown, Boveri & Cie. (See Thommen, H., Halm, and Brühlmann, assignors.)
Alien Property Custodian. (See Frederichs, Georg G.)
Alien Property Custodian. (See Holek, V., and Ondříček.)
Alien Property Custodian. (See Nagel, August.)
Allen, Charles F. H. (See Frame, G. F., and Allen.)
Allied Purchasing Corporation. (See Kramer, Ferninand, assignor.)
Ambrose, Henry A. (See McCarthy, P. R., and Ambrose.)
American Can Company. (See Kruse, Orlin O., assignor.)
American Can Company. (See Socke, John E.)
American Cyanamid Company. (See Christmann, L. J., Jayne, and Erickson, assignors.)
American Cyanamid Company. (See Kienle, R. H., Amick, and Kerns, assignors.)
American Cyanamid Company. (See Kirk, P. M., and Paden, assignors.)
American Cyanamid Company. (See Thurston, J. T., and Nagy, assignors.)
American Cyanamid Company. (See Thurston, J. T., and Sperry, assignors.)
American Locomotive Company. (See Farkas, G. B., and Gunter, assignors.)
American Maize-Products Company. (See Schopmeyer, H. H., and Kaufmann, assignors.)
American Steam Automobile Company. (See Derr, Thomas S., assignor.)
American Wood-Preservers' Association. (See Seiler, James F., assignor.)
Amick, Chester A. (See Kienle, R. H., Amick, and Kerns.)
Anderson, Paul A., Monrovia, Calif., assignor, by mesne assignments, to Consolidated Vultee Aircraft Corporation. Oil tank for airplane engines. 2,364,119; Dec. 5.
Anderson, Rexford O., assignor to Foote Bros. Gear and Machine Corporation, Chicago, Ill. Aerial pickup device. 2,364,042; Dec. 5.
Ariens, Mando S., Brillion, Wis. Rotary cultivator. 2,364,043; Dec. 5.
Arkell & Smiths. (See Ramsey, Frank P., assignor.)
Arms, Merton H., assignor to Bryant Chucking Grinder Company, Springfield, Vt. Mechanism for grinding. 2,364,120; Dec. 5.
Armstrong Cork Company. (See Spencer, Virgil, assignor.)
Arnold, Michael H. M., and W. E. Perry, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited. Sulphur compounds. 2,364,414; Dec. 5.
Arnold, Theodore E., Mount Royal, and C. Dobell, Montreal, Quebec, Canada, assignors, by mesne assignments, to The Preload Corporation, Boston, Mass. Filling explosive devices. 2,364,415; Dec. 5.
Arps, Bruno F., assignor to Arps Corporation, New Holstein, Wis. Power pickup scoop attachment for tractors. 2,364,121; Dec. 5.
Arps Corporation. (See Arps, Bruno F., assignor.)
Ash, Charles S., Milford, Mich. Dual wheel assembly. 2,364,183; Dec. 5.
Ashley, Julius N. (See Ewins, A. J., and Ashley.)
Ashmore, Benson, Pease and Company Limited. (See Brown, W. R., and Graveson, assignors.)
Autogas Company. (See Furlong, Francis A., assignor.)
Automotive Products Company. (See Henry, Howarth P., assignor.)
Avery, George S., Jr., New London, Conn., assignor to The Dow Chemical Company, Midland, Mich. Regulation of plant growth. 2,364,054; Dec. 5.
Ayers, George W., Jr., and M. S. Agruss, Chicago, and R. T. Bell, Deerfield, assignors to The Pure Oil Company, Chicago, Ill. Separation of thiophenols from hydrophobic liquid mixtures. 2,364,416; Dec. 5.
Baak, Albert E., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control of fuel feeding devices. 2,364,184; Dec. 5.
Bacon, Walter M., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telegraph system. 2,364,417; Dec. 5.
Badenhausen, John P., Philadelphia, Pa. Steam generator furnace. 2,364,044; Dec. 5.
Baker, Eugene L., Taunton, Mass. Cooking stove. 2,364,336; Dec. 5.
Baldwin, Clyde P., Claremont, N. H., and H. H. Vanderzee, Michigan City, Ind., assignors to Sullivan Machinery Company. Kerf cutting apparatus. 2,364,045; Dec. 5.
Ballamy, Leslie M., Caterham-on-Hill, and R. H. Sheepshanks, Eyke, Woodbridge, England. Feeding device for sewing machines and the like. 2,364,046; Dec. 5.
Bandranas, Antonio C., Barcelona, Spain. Treating photographic document. 2,364,337; Dec. 5.
Bardon, Donis M., Seattle, Wash. Line reeling device. 2,364,047; Dec. 5.
Barker, Paul F., Brighton, assignor to Gleason Works, Rochester, N. Y. Coolant circulating system. 2,364,418; Dec. 5.
Barkey, Isaac S., Stouffville, Ontario, Canada. Stepladder. 2,364,048; Dec. 5.
Barnes, Eliza C., Attica, Ind. Fence post. 2,364,419; Dec. 5.
Barnum, Leon N. (See Shultz, F. A., Speckman, Woolley, Mahlmeister, and Barnum.)
Barr & Stroud, Limited. (See Macgill, Charles D., assignor.)
Barr & Stroud, Limited. (See Strang, J. M., and Bell, assignors.)
Bates, C. J., & Son. (See Silliman, Louis A., assignor.)
Baumann, Walter. (See Martin, H., Baumann, Zaeslin, and Gysin.)
Bayes, Alfred L., Kenmore, N. Y., assignor to Carbide and Carbon Chemicals Corporation. Oil additive. 2,364,122; Dec. 5.
Beaver, David J., St. Albans, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Preservation of rubber. 2,364,338; Dec. 5.
Becker, Mano E., New York, N. Y. Multiple knife. 2,364,339; Dec. 5.
Belser, Elmer H. (See Hasselman, A. J., and Belser.)
Bell, Ian C. M. (See Strang, J. M., and Bell.)
Bell, Richmond T. (See Ayers, G. W., Jr., Agruss, and Bell.)
Bell Telephone Laboratories, Incorporated. (See Bacon, Walter M., assignor.)
Bell Telephone Laboratories, Incorporated. (See Burgess, Montague S., assignor.)
Bell Telephone Laboratories, Incorporated. (See Fuller, Calvin S., assignor.)
Bell Telephone Laboratories, Incorporated. (See Griese, Frank C., assignor.)
Bell Telephone Laboratories, Incorporated. (See Hubbard, Francis A., assignor.)
Bell Telephone Laboratories, Incorporated. (See Joel, Amos E., Jr., assignor.)
Bell Telephone Laboratories, Incorporated. (See Jones, Edward H., assignor.)
Beloit Iron Works. (See Hornbostel, Lloyd, assignor.)
Belveal, Robert F., Denver, Colo., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Gauging machine. 2,364,185; Dec. 5.
Bendix Aviation Corporation. (See Jandasek, Joseph, asignor.)
Bendix Aviation Corporation. (See MacNeil, Charles I., assignor.)
Bendix Aviation Corporation. (See Thieme, George B., assignor.)
Benner, Raymond C., and W. G. Soley, assignors to The Carborundum Company, Niagara Falls, N. Y. Forming metal carbides. 2,364,123; Dec. 5.
Bennett, Eugene G., assignor to The Champion Paper and Fibre Company, Hamilton, Ohio. Making coated paper. 2,364,505; Dec. 5.
Bensel-Brice Corporation. (See Bensel, Duryea, assignor.)
Bensel, Duryea, assignor to Bensel-Brice Corporation, Los Angeles, Calif. Preserving food and product. 2,364,049; Dec. 5.
Benson, Herbert T., Berkley, Calif. Chair. 2,364,050; Dec. 5.
Berezny, Mischa N., San Francisco, Calif. Grinding machine. 2,364,506; Dec. 5.
Berggren, Ralph E. (See Royal, R. R., Hayes, Berggren, and Temple.)
Bernard, Arthur A., Chicago, Ill. Electrode holder for welding apparatus. 2,364,507; Dec. 5.
Bernard, Arthur A., Chicago, Ill. Welding electrode holder. 2,364,508; Dec. 5.
Berridge, Thomas W., Woburn, Mass. Tape dispenser. 2,364,051; Dec. 5.

Berry, Pierre F., U. S. Army, New York, N. Y. Sight. 2,364,055; Dec. 5.

Bersworth, Frederick C., Verona, N. J., and M. Omansky, Brookline, Mass., assignors, by direct and mesne assignments, to The Martin Dennis Company, Newark, N. J. Vulcanization of rubber. 2,364,052; Dec. 5.

Bersworth, Frederick C., Verona, assignor to The Martin Dennis Company, Newark, N. J. Rubber-amine reaction products. 2,364,186; Dec. 5.

Bertrán, Edward M., Flushing, and M. Sokol, assignors to Brewster Aeronautical Corporation, Long Island City, N. Y. Airplane wing gun mount. 2,364,509. Dec. 5.

Bertrán, Edward M., Jackson Heights, and R. N. Lesnick, Brooklyn, assignors to Brewster Aeronautical Corporation, Long Island City, N. Y. Gun ammunition magazine. 2,364,510; Dec. 5.

Berwald, William B. (See Miller, H. C., Berwald, and Taliaferro.)

Bigelow-Sanford Carpet Co. (See Dow, J. N., and Dildilian, assignors.)

Birdsall, Edwin H., Golden, Colo., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Gauging machine. 2,364,187; Dec. 5.

Birdsboro Steel Foundry and Machine Company. (See Martin, Mark H., assignor.)

Black-Clawson Company, The. (See Staege, Stephen A., assignor.)

Blaettler, Paul X. (See Ferla, John, assignor.)

Bliley Electric Company. (See Wolfskill, John M., assignor.)

Bloss, Herman, Shelton, Conn. Riveting or staking machine. 2,364,420; Dec. 5.

Bogg, William A., Jr., assignor of one-half to W. M. Clampett, Fairfield, Conn. Shield for gun firing mechanism. 2,364,340; Dec. 5.

Bolles, Myrick N., Brookings, S. Dak. Electrical connection. 2,364,124; Dec. 5.

Borg-Warner Corporation. (See Nutt, H., and Smirl, assignors.)

Borg-Warner Corporation. (See Swennes, Benjamin A., assignor.)

Borg-Warner Corporation. (See White, Samuel O., assignor.)

Bossi, Romeo A., Newton Center, Mass. Double-acting pump. 2,364,511; Dec. 5.

Boulton Paul Aircraft Limited. (See North, John D., assignor.)

Bourne, James, Mount Vernon, N. Y. Crutch. 2,364,053; Dec. 5.

Bousman, Henry W., Scotia, N. Y., assignor to General Electric Company. Impulse counter motor. 2,364,421; Dec. 5.

Bower, Charles, assignor to Reid and Sigrist Limited, Kirby Muxloe, England. Fastening of sheet material into frames and like members. 2,364,512; Dec. 5.

Boynton & Company. (See Drebes, Fred C., assignor.)

Brewster Aeronautical Corporation. (See Bertrán, E. M., and Lesnick, assignors.)

Brewster Aeronautical Corporation. (See Bertrán, E. M., and Sokol, assignors.)

Brickham, Nelson H., Cheyenne, Wyo. Air deflector for ventilating systems. 2,364,265; Dec. 5.

Bright, Albert G., and W. E. Fisher, assignors to Eastman Kodak Company, Rochester, N. Y. Distillation control. 2,364,341; Dec. 5.

British Celanese Limited. (See Mellor, A., and Mann, assignors.)

Brock & Rankin. (See Hildmann, William B., assignor.)

Brooks, Benjamin T., Old Greenwich, Conn., assignor to Standard Alcohol Company. Production of nitriles. 2,364,422; Dec. 5.

Brown, David & Sons (Huddersfield) Limited. (See Welsby, S., and Burton, assignors.)

Brown Instrument Company, The. (See Keeler, Earl A., assignor.)

Brown Instrument Company, The. (See Side, Frederick W., assignor.)

Brown, Jesse F. (See Oakes, Arthur R., assignor.)

Brown, William R., and N. A. Graveson, assignors to Ashmore, Benson, Pease and Company Limited, Stockton-on-Tees, England. Clay gun. 2,364,513; Dec. 5.

Bruening, Lee P., Butte, Mont. Container. 2,364,125; Dec. 5.

Brühlmann, Gottfried. (See Thommen, H., Halm, and Brühlmann.)

Bruker, Hobart W., assignor to G. W. Swift, Jr. Inc., Bordentown, N. J. Blank creasing and slotting machine. 2,364,342; Dec. 5.

Brunk, Harold J., Chicago, Ill., assignor to The C. F. Pease Company. Machine for making blueprints and the like. 2,364,514; Dec. 5.

Brunzell, Bror J., Viksjofors, Sweden. Combined punching and fixing device for saw blades in saw frames. 2,364,423; Dec. 5.

Bruson, Herman A., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa. Indenyl isophorone. 2,364,056; Dec. 5.

Bryant Chucking Grinder Company. (See Arms, Merton H., assignor.)

Bryce, Allan E., Providence, R. I. Fastener. 2,364,266; Dec. 5.

Bryce, James W., Glen Ridge, N. J., assignor to International Business Machines Corporation, New York, N. Y. Photographic recording apparatus. 2,364,188; Dec. 5.

Bryson, Boyd, assignor to Bryson Manufacturing Co., Inc., Clifton, N. J. Sewing machine. 2,364,515; Dec. 5.

Bryson Manufacturing Co. (See Bryson, Boyd, assignor.)

Büchi, Alfred, Winterthur, Switzerland. Cooling device for turbine rotors. 2,364,189; Dec. 5.

Buckstaff, John D., Oshkosh, Wis. Stool. 2,364,516; Dec. 5.

Burby, Philip E., Beverly, assignor to United Shoe Machinery Corporation, Boston, Mass. Lasting machine. 2,364,057; Dec. 5.

Burch, Charles J., Brazil, Ind. Tobacco pipe. 2,364,424; Dec. 5.

Burgess, Montague S., Queens Village, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Measuring system and circuit. 2,364,190; Dec. 5.

Burk, Robert E., Cleveland Heights, and M. J. Hartig, assignors to The Standard Oil Company, Cleveland, Ohio. Liquid distribution. 2,364,058; Dec. 5.

Burk, Robert E., Cleveland Heights, assignor to The Standard Oil Company, Cleveland, Ohio. Solvent-extracting gasolines. 2,364,517; Dec. 5.

Burton, Charlie. (See Welsby, S., and Burton.)

Buttery, Kenneth T., assignor to Sutherland Paper Company, Kalamazoo, Mich. Carton. 2,364,267; Dec. 5.

California Packing Corporation. (See Carter, William G., assignor.)

Calvin, Forrest O., Kansas City, Mo., W. G. Wilson, Merriam, Kans., and T. R. Smith, Newton, Iowa, assignors to Movie-Mite Corporation, Kansas City, Mo. Sound projection optical system. 2,364,868; Dec. 5.

Cameron, Alvin F. (See Wahnish, G., and Cameron.)

Campbell, Charles T. (See Campbell, James A., assignor.)

Campbell, James A., assignor of one-half to C. T. Campbell, Adrian, Mich. Stool. 2,364,191; Dec. 5.

Cantor, Abraham, and H. A. Shelanski, Philadelphia, Pa. Receptacle closure. 2,364,126; Dec. 5.

Capon, Victor, Los Angeles, Calif. Measuring instrument. 2,364,127; Dec. 5.

Carbide and Carbon Chemicals Corporation. (See Bayes, Alfred L., assignor.)

Carbide and Carbon Chemicals Corporation. (See Wilson, Alexander L., assignor.)

Carborundum Company, The. (See Benner, R. C., and Soley, assignors.)

Carborundum Company, The. (See Swentzel, John P., assignor.)

Carl, John W., assignor to Iron Fireman Manufacturing Company, Portland, Oreg. Apparatus for burning coking coal. 2,364,269; Dec. 5.

Carlson, Bert G., Erieside, assignor to Jack & Heintz, Inc., Bedford, Ohio. Aircraft control device. 2,364,128; Dec. 5.

Carter, William G., Yakima, Wash., assignor to California Packing Corporation, San Francisco, Calif. Turnover device. 2,364,270; Dec. 5.

Carver, Walter W., Millburn, N. J. Ventilator for portholes and like openings. 2,364,271; Dec. 5.

Case, J. I., Company. (See Janke, Ewald P., assignor.)

Catlin, John P., and G. R. Eckstein, assignors to Remington Arms Company, Inc., Bridgeport, Conn. Testing anneal of cartridge shells and the like. 2,364,129; Dec. 5.

Celanese Corporation of America. (See Finlayson, Donald, assignor.)

Champion Paper and Fibre Company, The. (See Bennett, Eugene G., assignor.)

Charlton, William, J. B. Harrison, and R. B. Waters, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Synthetic phenolic resins. 2,364,192; Dec. 5.

Cheney, Harry A. (See de Simó, M., and Cheney.)

Chicago Eye Shield Company. (See Malcom, Robert, assignor.)

Chicago Forging & Manufacturing Company. (See Hynes, Dibrell P., assignor.)

Christmann, Ludwig J., Yonkers, N. Y., D. W. Jayne, Jr., Old Greenwich, Conn., and S. E. Erickson, Calumet, Minn., assignors to American Cyanamid Company, New York, N. Y. Mineral concentration. 2,364,272; Dec. 5.

Cincinnati Bickford Tool Company, The. (See Schauer, Lawrence L., assignor.)

Clampett, William M. (See Bogg, William A., Jr.)

Clancy, Gilbert E., assignor to Drayer & Hanson, Incorporated, Los Angeles, Calif. Heat exchange apparatus. 2,364,130; Dec. 5.

Clarke, Hans T., New York, and J. G. Stampfli, assignors to Eastman Kodak Company, Rochester, N. Y. Recovery of film scrap. 2,364,343; Dec. 5.

Clavel, Alexandre. (See Strasser, Fred, assignor.)

Cline, Allan J. (See Fankboner, Harland, assignor.)

Clouser, Carl R., North Weymouth, Mass. Baler. 2,364,518; Dec. 5.

Clyburn, Andrew D. (See Forman, J., and Clyburn.)

Coffman, Paul A., Jr., assignor to Omega Machine Company, Kansas City, Mo. Timing device. 2,364,519; Dec. 5.

Cole, Allen T., and W. M. Houston, Lakeland, Fla., assignors to Minerals Separation North American Corporation, New York, N. Y. Concentration of sylvinite ores. 2,364,520; Dec. 5.

Colt's Patent Fire Arms Manufacturing Company. (See Swartz, William L., assignor.)

Columbe, Thomas A., assignor to The Liquid Carbonic Corporation, Chicago, Ill. Machine guard. 2,364,193; Dec. 5.

Columbus McKinnon Chain Corporation. (See Parker, Humphrey F., assignor.)

Connell, Robert, and S. I. Wilson, Portland, Oreg. Insulating compound. 2,364,344; Dec. 5.

Consolidated Packaging Machinery Corporation. (See Gantzer, Howard E., assignor.)

Consolidated Packaging Machinery Corporation. (See Moore, Royal T., assignor.)

Consolidated Vultee Aircraft Corporation. (See Anderson, Paul A., assignor.)

Consolidated Vultee Aircraft Corporation. (See Sonntag, Herman, assignor.)

Consolidated Vultee Aircraft Corporation. (See Upson, Ralph H., assignor.)

Cooper, Benjamin, Jersey City, N. J. Serial numbering device. 2,364,345; Dec. 5.

Corbitt, Robert A. (See Dickey, J. B., Strain, and Corbitt.)

Corte, Alfred, Glendale, Calif., assignor, by mesne assignments, to Lockheed Aircraft Corporation. Gun turret. 2,364,425; Dec. 5.

Cortner, Clyde J., Long Beach, Calif. Shockproof light fitting. 2,364,194; Dec. 5.

Cox, Norman L., Claymont, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of cellulosic structures. 2,364,273; Dec. 5.

Crampton Manufacturing Company. (See Pleasant, H. E., and Keller, assignors.)

Crawford, Sherman B., Ponca City, Okla. Dehydrating apparatus. 2,364,274; Dec. 5.

Crew, Charles W. (See Frisch, W. R., and Crew.)

Cronin, John J., et al. (See Waldron, Louis, assignor.)

Crown Cork & Seal Company. (See Stewart, R. J., and Franz, assignors.)

Crump, Albert V. (See Ackerman, E. L., and Crump.)

Cunningham, Richard. (See Parke, P., Cunningham, and Lutherman.)

Danield, Albert O., Chesham, Bucks, and H. V. German, Howgate, Bembridge, Isle of Wight, England, assignors to Hordern-Richmond Limited, Haddenham, Buckinghamshire, England. Balanced airscrew blade. 2,364,131; Dec. 5.

Danielsen, Dybwad, Buffalo, N. Y. Boat with means for enclosing the propeller when not in use. 2,364,426; Dec. 5.

Darrah, William A., Chicago, Ill. Magnesium production and furnace equipment therefor. 2,364,195; Dec. 5.

Davenport Machine Tool Co. (See Silva, F. G., and Seymour, assignors.)

Davidson, James D., Dayville, Oreg. Toy airplane. 2,364,427; Dec. 5.

Davis, Ernest, assignor to The Prosperity Company, Inc., Syracuse, N. Y. Work clamp mechanism. 2,364,196; Dec. 5.

Davis, George B., Jr., Green Acres, Md. Drapery support. 2,364,275; Dec. 5.

Davis, Orris L., and A. C. Nixon, Oakland, assignors to Shell Development Company, San Francisco, Calif. Removing acids from hydrocarbons. 2,364,582; Dec. 5.

Dee, Dorothy L., administratrix. (See Dee, Raiemond E.)

Dee, Raiemond E., deceased, by D. L. Dee, administratrix, New York, N. Y. Bomb stabilizing means. 2,364,197; Dec. 5.

Deere & Company. (See Martin, Floyd R., assignor.)

Deere & Company. (See Oehler, Alvin W., assignor.)

Deere & Company. (See White, Charles H., assignor.)

De Ghetto, Anselm, Clifton, N. J., assignor to National Rubber Machinery Company, Akron, Ohio. Composite loom. 2,364,276; Dec. 5.

De Lancey, Warren H., assignor to Gilbert & Barker Manufacturing Company, Springfield, Mass. Oil burner. 2,364,132; Dec. 5.

De la Roza, Joaquin J., Sr., New York, N. Y. Seal joint. 2,364,133; Dec. 5.

Delfoe, Edward F., and J. M. Williams, Brooklyn, N. Y. Spray device. 2,364,059; Dec. 5.

Delta Star Electric Company, The. (See Hampton, Weldon O., assignor.)

De Maiditch, Roman. Montauk Point, N. Y. Pencil sharpener. 2,364,198; Dec. 5.

Deming Company, The. (See Shallenberg, Walter A., assignor.)

De Neffe, Frederick M., et al. (See Houghtaling, Amer L., assignor.)

De Neffe, Helen M., et al. (See Houghtaling, Amer L., assignor.)

Dennis, Martin Company, The. (See Bersworth, Frederick C., assignor.)

Dennis, Martin, Company, The. (See Bersworth, F. C., and Omansky, assignors.)

Derr, Thomas S., Newton, assignor to American Steam Automobile Company, West Newton, Mass. Apparatus for producing artificial fog or smoke. 2,364,199; Dec. 5.

De Simó, Martin, Chicago, Ill., and H. A. Cheney, Oakland, assignors to Shell Development Company, San Francisco, Calif. Catalytic conversion. 2,364,583; Dec. 5.

Detroit Aluminum and Brass Corp. (See Strickland, R. L., and Zemon, assignors.)

Detroit Lubricator Company. (See Stoughton, J. L., and Landon, assignors.)

Dey, John B., and L. Hayden, Lynchburg, Va. Printer. 2,364,277; Dec. 5.

Dice, Marion E., Los Angeles, Calif., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Apparatus for gauging tanks. 2,364,346; Dec. 5.

Dickey, Joseph B., assignor to Eastman Kodak Company, Rochester, N. Y. Surface-active agents. 2,364,348; Dec. 5.

Dickey, Joseph B., assignor to Eastman Kodak Company, Rochester, N. Y. Anthraquinone compounds. 2,364,349; Dec. 5.

Dickey, Joseph B., assignor to Eastman Kodak Company, Rochester, N. Y. Quinazoline azo compounds. 2,364,351; Dec. 5.

Dickey, Joseph B., W. H. Strain, and R. A. Corbitt, assignors to Eastman Kodak Company, Rochester, N. Y. Nitrogen heterocyclic compounds. 2,364,347; Dec. 5.

Dickey, Joseph B., and J. G. McNally, assignors to Eastman Kodak Company, Rochester, N. Y. Photographic developer. 2,364,350; Dec. 5.

Diedring, John H., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Signal lamp. 2,364,428; Dec. 5.

Dildilian, Ara T. (See Dow, J. N., and Dildilian.)

Distillation Products, Inc. (See Hickman, Kenneth C. D., assignor.)

Ditto, Marvin W., and W. P. Torrington, assignors to Emulsions Process Corporation, New York, N. Y. Vitaminizing fermented beverages. 2,364,060; Dec. 5.

Dobell, C. (See Arnold, T. E., and Dobell.)

Dodge, Adiel Y., Rockford, Ill. Air conditioning apparatus. 2,364,279; Dec. 5.

Dodge, Adiel Y., Rockford, Ill. One-way clutch. 2,364,280; Dec. 5.

Dodson, Edward, Oaks, Puriton, near Bridgewater, England. Fluid operated means for controlling apparatus at a distance. 2,364,352; Dec. 5.

Dougherty, Edward G., Fairhope, Ala. Mechanical movement. 2,364,429; Dec. 5.

Dow Chemical Company, The. (See Avery, George S., Jr., assignor.)

Dow, James N., Longmeadow, Mass., and A. T. Dildilian, Suffield, assignors to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn. Shoe sole. 2,364,134; Dec. 5.

Drayer & Hanson, Incorporated. (See Clancy, Gilbert E., assignor.)

Drebes, Fred C., assignor to Boynton & Company, Chicago, Ill. Follower for file drawers. 2,364,278; Dec. 5.

Duell, Clifford C. (See Onksen, G. W., assignor), and Duell.)

Du Pont, E. I., de Nemours & Company. (See Cox, Norman L., assignor.)

Du Pont, E. I., de Nemours & Company. (See Foster, H. D., and Larchar, assignors.)

Du Pont, E. I., de Nemours & Company. (See Gresham, William F., assignor.)

Du Pont, E. I., de Nemours & Company. (See Herrmann, Carl V., assignor.)

Du Pont, E. I., de Nemours & Company. (See Holt, Donald A., assignor.)

Du Pont, E. I., de Nemours & Company. (See Hunt, M., and Kirby, assignors.)

Du Pont, E. I., de Nemours & Company. (See Hunt, M., Kirby, and Lontz, assignors.)

Du Pont, E. I., de Nemours & Company. (See Kraft, Frederick G., assignor.)

Du Pont, E. I., Nemours & Company. (See Lawrence, Allen E., assignor.)

Du Pont, E. I., de Nemours & Company. (See Loder, D. J., Gresham, and Killian, assignors.)

Du Pont, E. I., de Nemours & Company. (See Lulek, Ralph N., assignor.)

Du Pont, E. I., de Nemours & Company. (See Mitchell, James A., assignor.)

Du Pont, E. I., de Nemours & Company. (See Perkins, M. A., and Klein.)

Du Pont, E. I., de Nemours & Company. (See Peterson, Wesley R., assignor.)

Du Pont, E. I., de Nemours & Company. (See Schmits, William R., Jr., assignor.)

Du Pont, E. I., de Nemours & Company. (See Stauffer, Harry G., assignor.)

Du Pont, E. I., de Nemours & Company. (See Stevenson, Halsey B., assignor.)

Du Pont, E. I., de Nemours & Company. (See Van Every, Bliss, assignor.)

Du Pont, E. I., de Nemours & Company. (See Walker, Isaac F., assignor.)

Du Pont, E. I., de Nemours & Company. (See Williams, I., Sturgis, and Verbanc, assignors.)

Ealing Studios Limited. (See Howell, Sydney, assignor.)

Eastman Kodak Company. (See Bright, A. G., and Fisher, assignors.)

Eastman Kodak Company. (See Clarke, H. T., and Stampfli, assignors.)

Eastman Kodak Company. (See Dickey, J. B., Strain, and Corbitt, assignors.)
Eastman Kodak Company. (See Frame, G. F., and Allen, assignors.)
Eastman Kodak Company. (See Hasche, R. L., and Gordon, assignors.)
Eastman Kodak Company. (See Hopkins, Roy S., assignor.)
Eastman Kodak Company. (See Jelley, E. E., and Staehle, assignors.)
Eastman Kodak Company. (See Knott, Edward B., assignor.)
Eastman Kodak Company. (See Mannes, L. D., and Godowsky.)
Eastman Kodak Company. (See Mihalyi, Joseph, assignor.)
Eastman Kodak Company. (See Wittel, Otto, assignor.)
Eaton Manufacturing Company. (See Hoern, Joseph H., assignor.)
Eckstein, George R. (See Catlin, J. P., and Eckstein.)
Edison, Thomas A., Incorporated. (See Nell, James W., assignor.)
Edison, Thomas A., Incorporated. (See Somers, Richard M., assignor.)
Edison Wood Products, Incorporated. (See Webb, Charles E., assignor.)
Electric Tachometer Corporation, The. (See Kolff, Petrus V., assignor.)
Ellinger, William H., Smith, N. Mex. Paraffin solvent. 2,364,281; Dec. 5.
Elliott, Thomas W. (See Roche, A. H., and Elliott.)
Ellis, Carleton, Montclair, N. J., assignor to Standard Oil Development Company. Alkylation process employing hydrogen. 2,364,430; Dec. 5.
Emulsions Process Corporation. (See Ditto, M. W., and Torrington, assignors.)
Erickson, Stephen E. (See Christmann, L. J., Jayne, and Erickson.)
Escher, Edward P., Chicago, Ill., assignor to Screw Conveyor Corporation, Hammond, Ind. Elevating apparatus for handling bulk materials. 2,364,353; Dec. 5.
Eureka Vacuum Cleaner Company. (See Hahn, Paul T., assignor.)
Eureka Vacuum Cleaner Company. (See Mills, Herbert E., assignor.)
Ewins, Arthur J., Romford, and J. N. Ashley, Upminster, assignors to May & Baker Limited, Dagenham, England. Preparation of diamidino-stilbenes. 2,364,200; Dec. 5.
Fairfax, Charles L., Cleveland, Ohio. Ladder supporting means. 2,364,521; Dec. 5.
Falge, Robert N., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Signal lamp. 2,364,431; Dec. 5.
Fankboner, Harland, assignor to A. J. Cline, Chicago, Ill. Web-tension equipment. 2,364,201; Dec. 5.
Farkas, George B., Jackson Heights, and A. Y. Gunter, Larchmont, assignors to American Locomotive Company, New York, N. Y. Fin-cutting machine. 2,364,432; Dec. 5.
Fees, John N., Spokane, Wash. Grain loader. 2,364,282; Dec. 5.
Felch, Estel D., Madison, Wis. Nose protector. 2,364,354; Dec. 5.
Fellows Gear Shaper Company, The. (See Miller, Edward W., assignor.)
Fellows Gear Shaper Company, The. (See Stubbs, Everard, assignor.)
Ferla, John, Camden, assignor of one-fourth to P. X. Blaettler, Oaklyn, N. J. Machine for producing pipes. 2,364,061; Dec. 5.
Finlayson, Donald, Spondon, near Derby, England, assignor to Celanese Corporation of America. Sewing thread. 2,364,135; Dec. 5.
Finlayson, Frank E., Ontario, Calif., assignor to General Electric Company. Safety switching arrangement for electrically heated devices. 2,364,433; Dec. 5.
Fisher, Webster E. (See Bright, Albert G.)
Fleischer Mills, Inc., The. (See Fleischer, Nathan I., assignor.)
Fleischer, Nathan I., assignor to The Fleischer Mills, Inc., Cincinnati, Ohio. Button and buttonhole tape. 2,364,062; Dec. 5.
Fletcher, Ed. (See Thomas, J. H., and Fletcher.)
Foote Bros. Gear and Machine Corporation. (See Anderson, Rexford O., assignor.)
Ford, Eugene A., Scarsdale, assignor to International Business Machines Corporation, New York, N. Y. Record controlled machine. 2,364,202; Dec. 5.
Ford Motor Company. (See McKanna, R. H., and Ross, assignors.)
Forman, James, and A. D. Clyburn, New Orleans, La. Holder for welding electrodes. 2,364,063; Dec. 5.
Foster, Henry D., Wilmington, Del., and A. W. Larchar, Mendenhall, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of films. 2,364,435; Dec. 5.
Foster, James L., Houston, Tex., assignor to Standard Oil Development Company. Drilling fluid. 2,364,434; Dec. 5.
Frame, Gordon F., and C. F. H. Allen, assignors to Eastman Kodak Company, Rochester, N. Y. Azo compounds. 2,364,355; Dec. 5.
Francesco, John P., Haverhill, Mass. Centering device. 2,364,064; Dec. 5.
Francis, Alfred W. Woodbury, N. J., and E. E. Reid, Baltimore, Md., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Alkylation. 2,364,203; Dec. 5.
Franz, Henry H. (See Stewart, R. J., and Franz.)
Frederichs, Georg G., Kassel-Brasselsberg, Germany; vested in the Alien Property Custodian. Gear shaping machine. 2,364,065; Dec. 5.
Freuler, Herbert C., Orinda, assignor to Union Oil Company of California, Los Angeles, Calif. Modified lubricating oil. 2,364,283; Dec. 5.
Freuler, Herbert C., Orinda, assignor to Union Oil Company of California, Los Angeles, Calif. Modified lubricating oil. 2,364,284; Dec. 5.
Frink, Frederick W., New York, N. Y. Remote control system for station selection. 2,364,285; Dec. 5.
Frisch, Wayne R., Pittsfield, and C. W. Crew, Dalton, Mass., assignors to General Electric Company. Insulation for magnetic steel and the like. 2,364,436; Dec. 5.
Fuller, Calvin S., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Heat-oxygen treated polyamides. 2,364,204; Dec. 5.
Fuller, Leslie L., Edmonton, Alberta, Canada. Gum massaging and tooth polishing appliance. 2,364,205; Dec. 5.
Furlong, Francis A., Rivert Forest, Ill., assignor to Autogas Company, Chicago, Ill. Incinerator. 2,364,286; Dec. 5.
Ganteaume, Henri D. A., Newtonville, Mass. Process of and equipment for building concrete ships. 2,364,522; Dec. 5.
Gantzer, Howard E., Kenmore, assignor to Consolidated Packaging Machinery Corporation, Buffalo, N. Y. Straight line capping machine. 2,364,523; Dec. 5.
Gardes, Alfred W., assignor to McCord Radiator & Mfg. Co., Detroit, Mich. Can closure. 2,364,206; Dec. 5.
Geigy, J. R., A. G. (See Martin, H., Baumann, Zaeslin, and Gysin, assignors.)
General Electric Company. (See Bousman, Henry W., assignor.)
General Electric Company. (See Finlayson, Frank E., assignor.)
General Electric Company. (See Frisch, W. R., and Crew, assignors.)
General Electric Company. (See Rich, Theodore A., assignor.)
General Electric Company. (See Starie, G. B., and Schmitz, assignors.)
General Electric X-Ray Corporation. (See Kent, Henry A., assignor.)
General Motors Corporation. (See Diedring, John H., assignor.)
General Motors Corporation. (See Falge, Robert N., assignor.)
General Motors Corporation. (See Gould, Richard E., assignor.)
General Motors Corporation. (See (Onksen, G. W., assignor), and Duell.)
General Motors Corporation. (See Zink, George A., assignor.)
General Time Instruments Corporation. (See Hasselman, A. J., and Beiser, assignors.)
General Time Instruments Corporation. (See Lorenz, Richard L., assignor.)
German, Henry V. (See Daniels, Albert O.)
Gessler, Otto C., Detroit, Mich. Concealed hinge. 2,364,437; Dec. 5.
Ghertman, Ioino, St. Mande, France, assignor to International Business Machines Corporation, New York, N. Y. Automatic punching machine. 2,364,207; Dec. 5.
Gibb, Edwin D., U. S. Navy. Amusement or exercising device. 2,364,137; Dec. 5.
Giguere, Marie F. G. Y. (nee Guimond). (See Guimond, Joseph A., assignor.)
Gilbert & Barker Manufacturing Company. (See De Lancey, Warren H., assignor.)
Gilbert & Barker Manufacturing Company. (See Grise, Alfred L., assignor.)
Gillette Safety Razor Company. (See Muros, Joseph, assignor.)
Gillette Safety Razor Company. (See Testi, Nicholas, assignor.)
Giuseffi, Jerome, Cincinnati, Ohio., assignor to The Goodall Worsted Company, Sanford, Maine. Coat. 2,364,066; Dec. 5.
Gleason Works. (See Barker, Paul F., assignor.)
Godowsky, Leopold D., Jr. (See Mannes, L. D., and Godowsky.)
Goodall Worsted Company, The. (See Giuseffi, Jerome, assignor.)
Gordon, Jack J. (See Hasche, R. L., and Gordon.)
Gould, Richard E., Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,364,287; Dec. 5.
Graham, Walton C., assignor, by mesne assignments, to Potash Company of America, Denver, Colo. Conversion process for fertilizer materials. 2,364,524; Dec. 5.
Grant, Vail W., Springfield, Mass. Rear sight for firearms. 2,364,067; Dec. 5.
Gravely, Benjamin F., Charleston, W. Va. Cultivator blade. 2,364,208; Dec. 5.
Graver Tank & Mfg. Co. (See Kamp, Ewald A., assignor.)
Graveson, George L., Amityville, N. Y., and C. R. Keith, Maplewood, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Temperature regulated electronic apparatus. 2,364,136; Dec. 5.

Graveson, Norman A. (See Brown, W. R., and Graveson.)
Greathouse, John F., Plainfield, N. J., assignor to Mack Manufacturing Corporation, New York, N. Y. Diesel starting booster. 2,364,356; Dec. 5.
Green, William G., Tulsa, Okla. Seismic prospecting. 2,364,209; Dec. 5.
Gresham, William F. (See Loder, D. J., Gresham, and Killian.)
Gresham, William F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of organic esters. 2,364,438; Dec. 5.
Griese, Frank C., Plainfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Remote control system. 2,364,068; Dec. 5.
Grip Nut Company. (See Kass, Lawrence W., assignor.)
Grise, Alfred L., Springfield, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Liquid dispensing apparatus. 2,364,138; Dec. 5.
Grumbles, Irvin, San Saba, Tex. Windmill power transmission. 2,364,139; Dec. 5.
Guanella, Gustav, Zurich, assignor to "Patelhold" Patentverwertungs- & Elektro-Holding A.-G., Glarus, Switzerland. Method and apparatus for scrambling signals. 2,364,210; Dec. 5.
Guimond, Joseph A., Montreal, assignor to M. F. G. Y. Giguere (nee Guimond), Noranda, Quebec, Canada. Razor blade. 2,364,525; Dec. 5.
Gulf Research & Development Company. (See McCarthy, P. R., and Ambrose, assignors.)
Gulf Research & Development Company. (See Muffly, Gary, assignor.)
Gunter, Addison Y. (See Farkas, G. B., and Gunter.)
Gustafson, Alfred N., assignor to Schramm, Inc., West Chester, Pa. Apparatus for inflating and deflating pontoons or the like. 2,364,211; Dec. 5.
Guyer, Reynalds, assignor to Waldorf Paper Products Company, St. Paul, Minn. Reclosing carton. 2,364,439; Dec. 5.
Gysin, Hans. (See Martin, H., Baumann, Zaeslin, and Gysin.)
Haggerty, Harold P., Ferndale, Mich. Threadless nut and bolt. 2,364,288; Dec. 5.
Hahn, Paul T., assignor to Eureka Vacuum Cleaner Company, Detroit, Mich. Vacuum cleaner bag. 2,364,069; Dec. 5.
Haile, James E., Jr., Cedartown, Ga. Aerial gunnery trainer. 2,364,070; Dec. 5.
Hale, St. Clair M., assignor to Parker-Wolverine Company, Detroit, Mich. Camouflage and making. 2,364,289; Dec. 5.
Halm, Alfred. (See Thommen, H., Halm, and Brühlmann.)
Halstead, William S., Huntington, N. Y. Signaling system. 2,364,357; Dec. 5.
Hampton, Weldon O., assignor to The Delta Star Electric Company, Chicago, Ill. Terminator. 2,364,071; Dec. 5.
Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. High frequency induction system. 2,364,526; Dec. 5.
Hanson, Walter C., Berkeley, Calif. Bearing. 2,364,290; Dec. 5.
Harmon, Kenneth A., Longmeadow, assignor to Wico Electric Company, West Springfield, Mass. Magneto. 2,364,140; Dec. 5.
Harris, Herbert W., Racine, Wis. Game. 2,364,141; Dec. 5.
Harrison, Jack B. (See Charlton, W., Harrison, and Waters.)
Hartford-Empire Company. (See Schaefer, Reinhold A., assignor.)
Hartig, Martval J. (See Burk, R. E., and Hartig.)
Harvey, Robert L., Collingswood, N. J., assignor to Radio Corporation of America. Intermediate frequency transformer. 2,364,291; Dec. 5.
Hasche, Rudolph L., and J. J. Gordon, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Ester-lactones. 2,364,358; Dec. 5.
Hasler A.-G. Werke fur Telephonie und Prazisionsmechanik. (See Ochsenbein, Walter, assignor.)
Hasselman, Albert J., La Salle, and E. H. Beiser, Peru, Ill., assignors to General Time Instruments Corporation, New York, N. Y. Watch. 2,364,440; Dec. 5.
Hayden, Landon. (See Dey, J. B., and Hayden.)
Hayes, Frank F. (See Royal, R. R., Hayes, Berggren, and Temple.)
Haygood, Carroll M., Cheyenne, Wyo. Aircraft catching apparatus. 2,364,527; Dec. 5.
Head, Wrightson & Company, Limited. (See Lake, Norman C., assignor.)
Heavens, E. M., et al. (See Huge, Henry M., assignor.)
Heavens, E. M. (See Stocker, Closman P., assignor.)
Heinrich, William J., Englewood, assignor to A. A. Kramer, Kansas City, Mo. Sectional tank deck. 2,364,528; Dec. 5.
Helbush, Herman H. (See Wallace, Frank C., assignor.)
Henry, Howarth P., assignor to Automotive Products Company Limited, Leamington, Spa, England. Control for aircraft. 2,364,441; Dec. 5.
Herrmann, Carl V., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of sulphuric acid by the contact process. 2,364,213; Dec. 5.
Hess, Frederic O., Germantown, and R. E. B. Wakefield, Aldan, Pa., assignors to Selas Corporation of America. Airplane heating system control. 2,364,214; Dec. 5.
Hickman, Kenneth C. D., assignor to Distillation Products, Inc., Rochester, N. Y. High vacuum distillation process and apparatus. 2,364,360; Dec. 5.
Hildmann, William B., assignor to Brock & Rankin, Chicago, Ill. Book-cover bending machine. 2,364,142; Dec. 5.
Hill, Walter W., Washington, D. C. Drafting instrument. 2,364,529; Dec. 5.
Hines, Rufus E., Chicago, Ill. Collet chuck. 2,364,212; Dec. 5.
Hobson, Harry E., Dallas, Tex. Self-setting retractor hook. 2,364,215; Dec. 5.
Hoe, R. & Co. (See Zuckerman, Adolph M., assignor.)
Hoerdt, Eugene J., et al. (See Waldron, Louis, assignor.)
Hoern, Joseph H., Birmingham, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio. Rolling threads. 2,364,442; Dec. 5.
Holek, Václav, Brunn-Zabovresky, and J. Ondříček, Brunn, Czechoslovakia; vested in the Alien Property Custodian. Device for filling and emptying cartridge belts. 2,364,530; Dec. 5.
Hollós, Zsigmond, New York, N. Y. Artillery tractor. 2,364,361; Dec. 5.
Holt, Donald A., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Casehardening. 2,364,292; Dec. 5.
Hopkins, Roy S., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic copying apparatus. 2,364,362; Dec. 5.
Hopwood, John A., Great Neck, N. Y., assignor to Hopwood Retinning Co., Inc., Jersey City, N. J. Cover for milk delivery cans. 2,364,216; Dec. 5.
Hopwood Retinning Co. (See Hopwood, John A., assignor.)
Hordern-Richmond Limited. (See Daniels, A. O., and German, assignors.)
Hornbostel, Lloyd, assignor to Beloit Iron Works, Beloit, Wis. Roll actuating mechanism. 2,364,443; Dec. 5.
Horton, Erwin C., Hamburg, and A. Rappl, assignors to Trico Products Corporation, Buffalo, N. Y. Vehicle signal control unit. 2,364,143; Dec. 5.
Hotchner, Fred, Los Angeles, Calif. Chamfering tool. 2,364,293; Dec. 5.
Houghtaling, Amer L., assignor of fifteen percent to H. G. De Neffe and fifteen percent to F. M. De Neffe, Portland, Oreg. Buoyant structure. 2,364,072; Dec. 5.
Houseman, Harold E., assignor to Scott and Williams, Incorporated, Laconia, N. H. Knitting method and machine. 2,364,217; Dec. 5.
Houston, Wesley M. (See Cole, A. T., and Houston.)
Howard, Styles T., Jeffersonville, Ind. Folding handle for containers. 2,364,073; Dec. 5.
Howell, Sydney, Perivale, assignor of one-half to Ealing Studios Limited, London, England. Mounting for cinematograph cameras. 2,364,363; Dec. 5.
Hubbard, Francis A., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Timing mechanism. 2,364,444; Dec. 5.
Hubbard, Francis A., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,364,445; Dec. 5.
Hubbard, Francis A., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Card translator. 2,364,446; Dec. 5.
Huge, Henry M., Lorain, Ohio, assignor of one-half to C. P. Stocker and one-half to E. M. Heavens. Common core frequency changer. 2,364,532; Dec. 5.
Huge, Henry M., Lorain, Ohio, assignor of one-half to C. P. Stocker and one-half to E. M. Heavens. Frequency reducer. 2,364,531; Dec. 5.
Hultin, Oscar H., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Package. 2,364,364; Dec. 5.
Hultquist, Victor J., Alcoa, Tenn. Transport trailer. 2,364,365; Dec. 5.
Hunsaker, Claude H., University City, Mo. Thermally regulated enclosure for electrical equipment. 2,364,144; Dec. 5.
Hunt, Madison, Claymont, and J. E. Kirby, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Carbonamidine derivatives. 2,364,074; Dec. 5.
Hunt, Madison, Claymont, J. E. Kirby, Wilmington, and J. F. Lontz, Gadsden, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Disinfectant compounds. 2,364,075; Dec. 5.
Huppke, Walter F., Lomita, and T. Vermeulen, assignors to Union Oil Company of California, Los Angeles, Calif. Catalytic method. 2,364,145; Dec. 5.
Hutaff, George H., Jr., Wilmington, N. C. Toilet article. 2,364,294; Dec. 5.
Hutton, John L., et al. (See Jahreis, Carl A., assignor.)
Hyde, Lloyd E., Fairmont, Minn. Torch. 2,364,295; Dec. 5.
Hyland, William A., assignor to The Van Brunt Manufacturing Company, Horicon, Wis. Trash shield. 2,364,296; Dec. 5.
Hynes, Dibrell P., assignor to Chicago Forging & Manufacturing Company, Chicago, Ill. Pressure joint for tubes. 2,364,447; Dec. 5.
I-T-E Circuit Breaker Company. (See Myers, Felix E., assignor.)

I-T-E Circuit Breaker Company. (See Schymik, Walter H., assignor.)
Imperial Chemical Industries Limited. (See Arnold, M. H. M., and Perry, assignors.)
Imperial Chemical Industries Limited. (See Charlton, W., Harrison, and Waters, assignors.)
Imperial Chemical Industries Limited. (See Lewis, J. R., Morgan, and Watts, assignors.)
Imperial Chemical Industries Limited. (See Whittaker, Donald, assignor.)
Indge, Herbert S., Westboro, assignor to Norton Company, Worcester, Mass. Cam lapping machine. 2,364,218; Dec. 5.
Institute of Paper Chemistry, The. (See Wells, Sidney D., assignor.)
Interior, Government of the United States of America, as represented by the Secretary of the. (See Miller, H. C., Berwald, and Taliaferro, assignors.)
International Business Machines Corporation. (See Bryce, James W., assignor.)
International Business Machines Corporation. (See Ford, Eugene A., assignor.)
International Business Machines Corporation. (See Ghertman, Ioino, assignor.)
International Business Machines Corporation. (See Luhn, Hans P., assignor.)
International Business Machines Corporation. (See McCormack, Paul W., assignor.)
International Business Machines Corporation. (See Terman, Frederick E., assignor.)
Iron Fireman Manufacturing Company. (See Carl, John W., assignor.)
Jack & Heintz, Inc. (See Carlson, Bert G., assignor.)
Jack & Heintz, Inc. (See Neff, Joseph J., assignor.)
Jack & Heintz, Inc. (See Parks, Wesley E., assignor.)
Jackson, Aldrich L., Minneapolis, Minn. Electric meat tenderizer. 2,364,533; Dec. 5.
Jahreis, Carl A., Leonia, assignor to J. L. Hutton, trading as T. Shriver & Company, Harrison, N. J. Fractional removal of liquid from liquid-solid suspensions. 2,364,366; Dec. 5.
James, Bill Y., assignor of one-half to C. Y. James, Miami, Okla. Preformed wrapping for packages. 2,364,297; Dec. 5.
James, Caroline Y. (See James, Bill Y., assignor.)
Jankasek, Joseph, Detroit, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind. Turbotransmission. 2,364,448; Dec. 5.
Janke, Ewald P., Charles City, Iowa, assignor to J. I. Case Company, Racine, Wis. Plow. 2,364,367; Dec. 5.
Järnåker, Johan J., Hedemora, Sweden. Fluid pressure machine. 2,364,368; Dec. 5.
Jasco, Incorporated. (See Morway, Arnold J., assignor.)
Jayne, David W., Jr. (See Christmann, L. J., Jayne, and Erickson.)
Jelley, Edwin E., and H. C. Staehle, assignors to Eastman Kodak Company, Rochester, N. Y. Diffusing screen. 2,364,369; Dec. 5.
Jennings, Irving C., South Norwalk, Conn. Hydroturbine pump. 2,364,370; Dec. 5.
Joel, Amos E., Jr., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Automatic telephone system. 2,364,146; Dec. 5.
Johns-Manville Corporation. (See Neesen, Gerald W., assignor.)
Johnson, Carl W., Phoenix, Ariz. Can opener. 2,364,219; Dec. 5.
Johnson, Herbert S., Chicago, Ill. Building. 2,364,220; Dec. 5.
Jones, Basil E. (See Tully, J. K., and Jones.)
Jones, Edward H., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Time-of-day announcing system. 2,364,147; Dec. 5.
Jones, John L., Fairview, W. Va. Agricultural implement. 2,364,449; Dec. 5.
Jones, John W., Greenville, S. C. Cloth take-up mechanism for looms. 2,364,534; Dec. 5.
Jordan, Stanley R., Dayton, Ohio. Strain gauge connection. 2,364,076; Dec. 5.
Kamp, Ewald A., Chicago, Ill., assignor to Graver Tank & Mfg. Co., Inc. Sewage treatment. 2,364,298; Dec. 5.
Kanolkin, Herman, New York, N. Y. Marine waves power plant. 2,364,535; Dec. 5.
Kass, Lawrence W., assignor to Grip Nut Company, Chicago, Ill. Safety support for brake beams. 2,364,221; Dec. 5.
Katzin, Martin, Riverhead, N. Y., assignor to Radio Corporation of America. Double polarization feed for horn antennas. 2,364,371; Dec. 5.
Kaufman, David S., Port Arthur, Tex., assignor to Texaco Development Corporation, New York, N. Y. Control of wax deposition. 2,364,222; Dec. 5.
Kaufmann, Herbert A. (See Schopmeyer, H. H., and Kaufmann.)
Keefer, Walter L., assignor to Pangborn Corporation, Hagerstown, Md. Abrading apparatus. 2,364,077; Dec. 5.
Keeler, Earl A., Norristown, assignor to The Brown Instrument Company, Philadelphia, Pa. Measuring and control apparatus. 2,364,450; Dec. 5.
Keim, Melville, Chicago, Ill. Golf club carrier. 2,364,223; Dec. 5.
Keith, Clyde R. (See Graveson, G. L., and Keith.)
Keller, Adolph, Glendale, Mo. Hoisting means. 2,364,224; Dec. 5.
Keller, Fred M. (See Pleasant, H. E., and Keller.)
Kellogg, Edward W., Indianapolis, Ind., assignor to Radio Corporation of America. Sound film drive mechanism. 2,364,148; Dec. 5.
Kellogg, M. W. Company, The, et al. (See Layng, E. T., and Voorhees, assignors.)
Kellogg, M. W., Company, The. (See Solomon, E., Passino, and Rubin, assignors.)
Kenrick, Ralph S., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Automatic safety control for arc welding. 2,364,372; Dec. 5.
Kent Allen H., New York, N. Y., assignor to Vard, Inc., Pasadena, Calif. Vector calculating machine. 2,364,149; Dec. 5.
Kent, Henry A., Elmhurst, assignor to General Electric X-Ray Corporation, Chicago, Ill. Processing carbon electrodes. 2,364,536; Dec. 5.
Kerns, Clarence C. (See Kienle, R. H., Amick, and Kerns.)
Kerth, Hillard J., New Orleans, La. Nursing bottle holder. 2,364,537; Dec. 5.
Kester, Lynn C., Hereford, Tex. Automatic air control for gas burners. 2,364,299; Dec. 5.
Kiefer, Walter J., Belvidere, Ill. Seat support. 2,364,225; Dec. 5.
Kienle, Roy H., and C. A. Amick, Bound Brook, and C. C. Kerns, Middlesex Boro, N. J., assignors to American Cyanamid Company, New York, N. Y. Printing compositions and printing therewith. 2,364,359; Dec. 5.
Killian, Donald B. (See Loder, D. J., Gresham, and Killian.)
Kirby, James E. (See Hunt, M., and Kirby.)
Kirby, James E. (See Hunt, M., Kirby, and Lontz.)
Kirk, Philip M., Stamford, and J. H. Paden, Glenbrook, Conn., assignors to American Cyanamid Company, New York, N. Y. Preparation of β-alanine. 2,364,538; Dec. 5.
Kisselle, John M., Detroit, and C. E. McCormick, Dearborn, Mich. Cigarette tray. 2,364,078; Dec. 5.
Klein, David X. (See Perkins, M. A., and Klein.)
Klemperer, Hans, Belmont, assignor to Raytheon Manufacturing Company, Newton, Mass. Condenser welding system. 2,364,079; Dec. 5.
Kleven, Samuel L., Augusta, Maine. Shoe and making the same. 2,364,373; Dec. 5.
Knott, Edward B., Wealdstone, Harrow, England, assignor to Eastman Kodak Company, Rochester, N. Y. Color photographic materials. 2,364,374; Dec. 5.
Koehring Company. (See Sheck, Oscar, assignor.)
Kohler, Henry F., Baytown, Tex., assignor to Standard Oil Development Company. Chemical process. 2,364,451; Dec. 5.
Kolff, Petrus V., Harwich Port, Mass., assignor to The Electric Tachometer Corporation, Philadelphia, Pa. Generator-voltmeter tachometer. 2,364,256; Dec. 5.
Koplin, Harry, and A. R. Slate, assignors to Zephyr Laundry Company, Chicago, Ill. Hydraulic control and ejector for grinders. 2,364,300; Dec. 5.
Kork-N-Seal Limited. (See Marek, Anthony J., assignor.)
Kraft, Frederick G., Richmond, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Yarn production. 2,364,375; Dec. 5.
Kramer, Andrew A. (See Heinrich, William J., assignor.)
Kramer, Ferdinand, Port Chester, assignor to Allied Purchasing Corporation, New York, N. Y. Knock-down easy chair. 2,364,452; Dec. 5.
Kruse, Orlin O., Oak Park, Ill., assignor to American Can Company, New York, N. Y. Drying oven. 2,364,080; Dec. 5.
Lake, Norman C., Stockton-on-Tees, assignor to Head, Wrightson & Company, Limited, Thornaby-on-Tees, England. Stretching machine for flattening metal strip. 2,364,376; Dec. 5.
Lambert, Gustaf P., Stockholm, Sweden. Protective spring for boats and small craft. 2,364,081; Dec. 5.
Landis & Gyr, A-G. (See Moos, Paul, assignor.)
Landon, Walter S. (See Stoughton, J. L., and Landon.)
Larchar, Arthur W. (See Foster, H. D., and Larchar.)
Larmour, James J., West Orange, assignor to Plastic Inlays, Inc., Summit, N. J. Inlaid article. 2,364,226; Dec. 5.
Lawrence, Allen E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of butadiene. 2,364,377; Dec. 5.
Layng, Edwin T., Jersey City, N. J., and V. Voorhees, Hammond, Ind., assignors of one-half to Standard Oil Company and one-half to The M. W. Kellogg Company. Processing hydrocarbon distillates. 2,364,453; Dec. 5.
Leadlay, Norman R. (See Lowenstein, Louis A., assignor.)
Lederle Laboratories, Inc. (See Wyckoff, Ralph W. G., assignor.)
Lesnick, Robert N. (See Bertran, E. M., and Lesnick.)
Levinsen, Claus, Brooklyn, N. Y. Ventilator louver element. 2,364,378; Dec. 5.
Lewis, James G., Falls Church, Va. Map making from aerial photographs. 2,364,082; Dec. 5.

Lewis, John R., L. B. Morgan, and J. T. Watts, Manchester, England, assignors to Imperial Chemical Industries Limited. Production of polymeric vinyl materials with an improved resistance to water. 2,364,227; Dec. 5.
Lieber, Eugene, West New Brighton, Staten Island, N. Y., and H. T. Rice, Roselle, N. J., assignors to Standard Oil Development Company. Condensation products and preparing and using same. 2,364,454; Dec. 5.
Lindsay & Lindsay. (See Lindsay, Harvey B., assignor.)
Lindsay, Harvey B., Evanston, assignor to Lindsay & Lindsay, Chicago, Ill. Prefabricated structure for containers and the like. 2,364,083; Dec. 5.
Link, Edwin A., Binghamton, N. Y. Celestial navigation trainer. 2,364,539; Dec. 5.
Liquid Carbonic Corporation, The. (See Columbe, Thomas A., assignor.)
Lockheed Aircraft Corporation. (See Corte, Alfred, assignor.)
Loder, Donald J., W. F. Gresham, and D. B. Killian, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of acetals. 2,364,455; Dec. 5.
Lontz, John F. (See Hunt, M., Kirby, and Lontz.)
Lorenz, Richard L., Chicago, Ill., assignor to General Time Instruments Corporation, New York, N. Y. Time system. 2,364,228; Dec. 5.
Lowe, Joe Corporation. (See Thomas, N. M. and N. H.)
Lowenstein, Louis A., assignor to N. R. Leadlay, San Francisco, Calif. Universal V-block. 2,364,150; Dec. 5.
Luhn, Hans P., Armonk, assignor to International Business Machines Corporation, New York, N. Y. Calculating machine. 2,364,540; Dec. 5.
Lulek, Ralph N., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing dyestuffs of the anthraquinone series. 2,364,456; Dec. 5.
Lutherman, Lewis A. (See Parke, P., Cunningham, and Lutherman.)
Lyon Metal Products, Incorporated. (See O'Connor, John B., assignor.)
Macgill, Charles D., assignor to Barr & Stroud, Limited, Glasgow, Scotland. Sight for guns. 2,364,152; Dec. 5.
Mack Manufacturing Corporation. (See Greathouse, John F., assignor.)
MacLeod, Robert M., East Pasadena, assignor to Vard, Inc., Pasadena, Calif. Plotting machine. 2,364,153; Dec. 5.
MacNeil, Charles I., Glen Ridge, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind. Hydraulic apparatus. 2,364,301; Dec. 5.
MacNeill, Frank L., assignor to Standard Paper Goods Mfg. Co., Worcester, Mass. Dispensing apparatus. 2,364,231; Dec. 5.
Madsen, Paul S., Bethany, assignor to The Seamless Rubber Company, New Haven, Conn. Adhesive tape dispensing device. 2,364,461; Dec. 5.
Mahlmeister, Elwood T. (See Shultz, F. A., Speckman, Woolley, Mahlmeister, and Barnum.)
Makaroff, Vadim S., New York, N. Y. High-speed boat. 2,364,541; Dec. 5.
Malcom, Robert, Chicago, Ill., assignor to Chicago Eye Shield Company. Goggle. 2,364,584; Dec. 5.
Malone, Homer E., Milwaukee, and W. M. Shallcross, Waukesha County, assignors to Perfex Corporation, Milwaukee, Wis. Explosive device carrier. 2,364,302; Dec. 5.
Malsbary Manufacturing Company. (See Taylor, Walter W., assignor.)
Mann, Ralph J. (See Mellor, A., and Mann.)
Mannes, Leopold D., New York, N. Y., and L. D. Godowsky, Jr., Westport, Conn., assignors to Eastman Kodak Company, Rochester, N. Y. Color correction in duplicating color photographs. 2,364,379; Dec. 5.
Marek, Anthony J., Blackheath Park, assignor to Kork-N-Seal Limited, London, England. Bottle capping apparatus. 2,364,380; Dec. 5.
Markley, Richard, Jr., assignor to Wilson Cabinet Company, Smyrna, Del., a co-partnership, comprising J. E. Wilson, Jr., and B. M. Wilson. Milk cooler. 2,364,154; Dec. 5.
Martin, Albert D., Jr., Washington, D. C. Directive antenna system. 2,364,084; Dec. 5.
Martin, Floyd R., East Moline, assignor to Deere & Company, Moline, Ill. Spring tooth and clip assembly. 2,364,303; Dec. 5.
Martin, Henry, Basel, W. Baumann, Arlesheim, near Basel, H. Zaeslin, Reihen, near Basel, and H. Gysin, assignors to the firm of J. R. Geigy A. G., Basel, Switzerland. α-pyrone carboxylic acid amides and their manufacture. 2,364,304; Dec. 5.
Martin, Mark H., Reading, assignor to Birdsboro Steel Foundry and Machine Company, Birdsboro, Pa. Truck. 2,364,462; Dec. 5.
Martin, Otis C., Los Angeles, Calif. Cutting tool. 2,364,305; Dec. 5.
Martineau, Dorothy A. (See Martineau, Paul W., assignor.)
Martineau, Paul W., assignor to D. A. Martineau, Bronx, N. Y. Light carrier and positioning means. 2,364,155; Dec. 5.
Martinek, Anthony, Allentown, Pa. Toilet device and producing said device. 2,364,085; Dec. 5.
Marvel Slide Fastener Corporation. (See Savitzky, Abraham, assignor.)
Mattson, Gust W., Chicago, Ill. Gearing. 2,364,156; Dec. 5.
May & Baker Limited. (See Ewins, A. J., and Ashley, assignors.)
McCarthy, Paul R., Manor, and H. A. Ambrose, Penn Township, Allegheny County, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Lubricants. 2,364,151; Dec. 5.
McCollum, Henry J. D., Chicago, Ill. Heating system. 2,364,457; Dec. 5.
McCollum, Henry J. D., Chicago, Ill. Heating system. 2,364,458; Dec. 5.
McCord Radiator & Mfg. Co. (See Gardes, Alfred W., assignor.)
McCormack, Paul W., Vestal, assignor to International Business Machines Corporation, New York, N. Y. Bearing testing device. 2,364,229; Dec. 5.
McCormick, Charles E. (See Kisselle, J. M., and McCormick.)
McGrath, William L., Philadelphia, Pa., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control of refrigeration apparatus. 2,364,459; Dec. 5.
McKanna, Robert H., and J. L. Ross, assignors to Ford Motor Company, Dearborn, Mich. Assembly device. 2,364,230; Dec. 5.
McLean, George B., San Pedro, assignor to Union Oil Company of California, Los Angeles, Calif. Coating system for protecting surfaces against marine growth. 2,364,460; Dec. 5.
McNally, James G. (See Dickey, J. B., and McNally.)
Meister, Leo, Irvington, N. J. Coating apparatus. 2,364,086; Dec. 5.
Mellor, Albert, and R. J. Mann, Spondon, near Derby, assignors to British Celanese Limited, London, England. Textile apparatus. 2,364,157; Dec. 5.
Metal Office Furniture Company. (See Schroeder, Lester F., assignor.)
Metzner, Albert W., assignor to The Standard Register Company, Dayton, Ohio. Paper guide. 2,364,087; Dec. 5.
Meyer, Walter, Zurich, Switzerland. Aiming device for automatic guns. 2,364,585; Dec. 5.
Mihalyi, Joseph, assignor to Eastman Kodak Company, Rochester, N. Y. Roll holding camera. 2,364,381; Dec. 5.
Miller, Edward W., assignor to The Fellows Gear Shaper Company, Springfield, Vt. Generative grinding machine with rolling work or tool carrier. 2,364,542; Dec. 5.
Miller, Frederick H. W., Napa, Calif. Air motor. 2,364,306; Dec. 5.
Miller, Harold C., Oakland, Calif., W. B. Berwald, Tulsa, and D. B. Taliaferro, Jr., Bartlesville, Okla., assignors to the Government of the United States of America as represented by the Secretary of the Interior. Core drilling. 2,364,088; Dec. 5.
Miller, Max B., & Co. (See Tuttle, Malcolm H., assignor.)
Mills, Herbert E., assignor to Eureka Vacuum Cleaner Company, Detroit, Mich. Pistol. 2,364,232; Dec. 5.
Minerals Separation North American Corporation. (See Cole, A. T., and Houston, assignors.)
Minneapolis-Honeywell Regulator Company. (See Baak, Albert E., assignor.)
Minneapolis-Honeywell Regulator Company. (See McGrath, William L., assignor.)
Mitchell, James A., Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Cyclized rubber-unsaturated carbonyl compound reaction products. 2,364,089; Dec. 5.
Mitchell, James A., Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Rubber derivatives products. 2,364,158; Dec. 5.
Monarch Governor Company. (See Sarnes, Lowell F., assignor.)
Monroe, Horace, Scipio, Utah. Ear tag for animals. 2,364,463; Dec. 5.
Monsanto Chemical Company. (See Beaver, David J., assignor.)
Monsanto Chemical Company. (See Sibley, Robert L., assignor.)
Moore, Royal T., assignor to Consolidated Packaging Machinery Corporation, Buffalo, N. Y. Forming sift-proof bag closures. 2,364,543; Dec. 5.
Moore, Thomas V., Houston, Tex., assignor to Standard Oil Development Company. Bottom hole sampler. 2,364,464; Dec. 5.
Moos, Paul, Neugasse, assignor to Landis & Gyr, A-G., Zug, Switzerland. Coin actuated mechanism for prepayment mechanism. 2,364,544; Dec. 5.
Morey, Leonard, Salem Center, N. Y. Remote control steering and propulsion mechanism. 2,364,233; Dec. 5.
Morgan, Leslie B. (See Lewis, J. R., Morgan, and Watts.)
Morgan, Milton F., Shaker Heights, assignor to Republic Steel Corporation, Cleveland, Ohio. Sintering machine. 2,364,586; Dec. 5.
Morrell, Jacque C., Chevy Chase, Md. Container and making the same. 2,364,234; Dec. 5.

Morris, Rupert C., Berkeley, and E. C. Shokal, Oakland, assignors to Shell Development Company, San Francisco, Calif. Stabilization of halobutenes. 2,364,587; Dec. 5.

Morris, Rupert C., Berkeley, and E. C. Shokal, Oakland, assignors to Shell Development Company, San Francisco, Calif. Stabilization of halobutenes. 2,364,588; Dec. 5.

Morway, Arnold J., Roselle, N. J., assignor, by mesne assignments, to Jasco, Incorporated. Rubberlike products and preparation thereof. 2,364,382; Dec. 5.

Mossett, James W., New York, N. Y. Closure for collapsible tubes. 2,364,307; Dec. 5.

Movie-Mite Corporation. (See Calvin, F. O., Wilson, and Smith, assignors.)

Muffly, Gary, Penn Township, Allegheny County, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Apparatus for electrical bore logging. 2,364,159; Dec. 5.

Muros, Joseph, Cambridge, assignor to Gillette Safety Razor Company, Boston, Mass. Manufacturing open-end blades. 2,364,235; Dec. 5.

Muros, Joseph, Cambridge, assignor to Gillette Safety Razor Company, Boston, Mass. Safety razor blade. 2,364,236; Dec. 5.

Murray Corporation of America, The. (See Wolofski, Nicholas, assignor.)

Myers, Felix E., Burlington, N. J., assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Circuit breaker compartment lock operated tripping device. 2,364,465; Dec. 5.

Nagel, August, Stuttgart-Degerloch, Germany; vested in the Alien Property Custodian. Film feed lock and shutter tensioning mechanism for cameras. 2,364,466; Dec. 5.

Nagelvoort, Adriaan, Salt Lake City, Utah. Purifying resins. 2,364,090; Dec. 5.

Nagelvoort, Adriaan, Salt Lake City, Utah. Recovering resins from coal. 2,364,091; Dec. 5.

Nagy, Daniel E. (See Thurston, J. T. and Nagy.)

National Cash Register Company, The. (See Shultz, F. A., Speckman, Woolley, Mahlmeister, and Barnum, assignors.)

National Cotton Council of America. (See Nickerson, Ralph F., assignor.)

National Rubber Machinery Company. (See De Ghetto, Anselm, assignor.)

Natural Products Refining Co. (See Vetter, Joseph J., assignor.)

Neal, Vay F., Punxsutawney, Pa. Machine pick sharpener. 2,364,160; Dec. 5.

Neesen, Gerald W., Somerville, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Packing. 2,364,383; Dec. 5.

Neff, Joseph J., South Euclid, assignor, by mesne assignments, to Jack & Heintz, Inc., Cleveland, Ohio. Electrical caliper. 2,364,237; Dec. 5.

Nell, James W., Nutley, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Phonograph record. 2,364,545; Dec. 5.

Nicholson, Madison G., Jr., Verona, N. J., assignor, by mesne assignments, to Sears, Roebuck and Co., Chicago, Ill. Battery radio receiver. 2,364,238; Dec. 5.

Nickerson, Ralph F., Pittsburgh, Pa., assignor, by mesne assignments, to National Cotton Council of America, Memphis, Tenn. Cord and method and apparatus for making same. 2,364,467; Dec. 5.

Niemi, Robert, Plymouth, Mich. Sine plate. 2,364,546; Dec. 5.

Niewendorp, Richard, Sanborn, Iowa. Hay and shock loader. 2,364,308; Dec. 5.

Nixon, Alan C. (See Davis, O. L., and Nixon.)

Noble & Wood Machine Company, The. (See Roberson, Cyrus E., assignor.)

North, John D., assignor to Boulton Paul Aircraft Limited, Wolverhampton, England. Feeding ammunition belts to machine guns. 2,364,309; Dec. 5.

Norton Company. (See Indge, Herbert S., assignor.)

Nutt, Harold, Chicago, and R. L. Smirl, Bellwood, assignors to Borg-Warner Corporation, Chicago, Ill. Friction clutch. 2,364,310; Dec. 5.

Oakes, Arthur R., Monrovia, assignor to Jesse F. Brown, Los Angeles, Calif. Buffing lathe for vehicle tires. 2,364,384; Dec. 5.

Ochsenbein, Walter, assignor to Hasler A.-G. Werke für Telephonie und Präzisionsmechanik, Berne, Switzerland. Snap coupling, particularly for multipole magnetos. 2,364,385; Dec. 5.

O'Connor, Jerome A., Council Bluffs, Iowa. Accelerator control. 2,364,092; Dec. 5.

O'Connor, John B., assignor to Lyon Metal Products, Incorporated, Aurora, Ill. Chair construction. 2,364,093; Dec. 5.

Oehler, Alvin W., assignor to Deere & Company, Moline, Ill. Combine. 2,364,311; Dec. 5.

Olsen, Harlow R., Minneapolis, Minn. Combination hoist and scaffolding. 2,364,547; Dec. 5.

Omansky, Morris. (See Bersworth, F. C., and Omansky.)

Omega Machine Company. (See Coffman, Paul A., Jr., assignor.)

Ondříček, Jan. (See Holek, V., and Ondříček.)

Onksen, George W., Jr., Anderson, Ind., and C. C. Duell, Baltimore, Md.; said Onksen Jr., assignor to General Motors Corporation, Detroit, Mich. Signal lamp. 2,364,468; Dec. 5.

Orr, Donald J., Columbus, Ohio. Reversible hydraulic pump. 2,364,469; Dec. 5.

Owen, Benjamin F., Omaha, Nebr. Machine for gathering, transporting, and stacking materials. 2,364,470; Dec. 5.

Owens-Corning Fiberglas Corporation. (See Thomas, J. H., and Fletcher, assignors.)

Owsiak, Joseph, New Britain, Conn. Curtain bracket. 2,364,161; Dec. 5.

Paden, Joseph H. (See Kirk, P. M., and Paden.)

Pangborn Corporation. (See Keefer, Walter L., assignor.)

Parke, Peter, R. Cunningham, and L. A. Lutherman, assignors to The Pullman Company, Chicago, Ill. Railway Car. 2,364,094; Dec. 5.

Parker, Humphrey F., Kenmore, assignor to Columbus McKinnon Chain Corporation, Tonawanda, N. Y. Suspended hoist. 2,364,471; Dec. 5.

Parker-Wolverine Company. (See Hale, St. Clair M., assignor.)

Parks, Wesley E., Bedford, assignor, by mesne assignments, to Jack & Heintz, Inc., Cleveland, Ohio. Clamping device. 2,364,239; Dec. 5.

Parry, Albert T., Norway, Kans. Oil filter. 2,364,240; Dec. 5.

Pasinski, Walter J., Howell, Mich. Electric shaver. 2,364,162; Dec. 5.

Passino, Herbert J. (See Solomon E., Passino, and Rubin.)

"Patelhold" Patentverwertungs-& Elektro-Holding A.-G. (See Guanella, Gustav, assignor.)

Patent Button Company, The. (See Purinton, F. G., and Zwiebel, assignors.)

Patterson, Edie J., Stockton, Calif. Beet topper. 2,364,312; Dec. 5.

Pearson, Jarl, Berkeley, Calif. Conveyer for branding machines. 2,364,163; Dec. 5.

Pease, C. F., Company, The. (See Brunk, Harold J., assignor.)

Pecorella, Benedict G., Buffalo, N. Y. Artificial hand. 2,364,313; Dec. 5.

Pederquist, Ernest G. J., Bloomfield, N. J. Terminal. 2,364,095; Dec. 5.

Pedersen, Jens O., assignor to Swanson Tool and Machine Corporation, Erie, Pa. Stop device for lathes. 2,364,241; Dec. 5.

Pedersen, John D., Jackson, Wyo. Bolt mechanism for rifles. 2,364,548; Dec. 5.

Pedersen, John D., Jackson, Wyo. Rifle, stock, receiver, and trigger guard assembly. 2,364,549; Dec. 5.

Pelouch, James J., Cleveland, Ohio, assignor to The United States Air Compressor Company. Pumping device. 2,364,550; Dec. 5.

Perfex Corporation. (See Malone, H. E., and Shallcross, assignors.)

Perkins, Melvin A., and D. X. Klein, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Dyes of the anthraquinone series. 2,364,473; Dec. 5.

Perry, William E. (See Arnold, M. H. M., and Perry.)

Peterson, Edward T., Reading, Pa. Rolling mill. 2,364,386; Dec. 5.

Peterson, Wesley R., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of polymer. 2,364,387; Dec. 5.

Petrolite Corporation, Ltd. (See Wolfe, Halley, assignor.)

Platt, William M., Durham, N. C. Septic tank. 2,364,472; Dec. 5.

Pitts, Jesse E., Houston, Tex. Nozzle closure and cleaner. 2,364,164; Dec. 5.

Plastic Inlays, Inc. (See Larmour, James J., assignor.)

Platt, Haviland H., New York, N. Y., assignor to Rotary Research Corporation, Philadelphia, Pa. Helicopter. 2,364,096; Dec. 5.

Pleasant, Herman E., Grand Rapids, and F. M. Keller, assignors to Crampton Manufacturing Company, Holland, Mich. Valve actuating lever. 2,364,314; Dec. 5.

Pneumatic Scale Corporation, Limited. (See Hultin, Oscar H., assignor.)

Pneumatic Scale Corporation, Limited. (See Vergobbi, John G., assignor.)

Posture Research Corporation. (See Wood, Glenn D., assignor.)

Potash Company of America. (See Graham, Walton C., assignor.)

Powell, Ernest S., St. Paul, Minn. Snow melting device. 2,364,315; Dec. 5.

Preload Corporation, The. (See Arnold, T. E., and Dobell, assignors.)

Prentice, William G., Indianapolis, Ind. Tire spreader. 2,364,242; Dec. 5.

Proctor & Schwartz, Inc. (See Turner, Charles R., assignor.)

Prosperity Company, The. (See Davis, Ernest, assignor.)

Pullman Company, The. (See Parke, P., Cunningham, and Lutherman, assignors.)

Pullman Company, The. (See Tully, J. K., and Jones, assignors.)

Pullman-Standard Car Manufacturing Company. (See Kenrick, Ralph S., assignor.)

Pure Oil Company, The. (See Ayers, G. W., Jr., Agruss, and Bell, assignors.)

Purinton, Forrest G., and W. A. Zwiebel, assignors to The Patent Button Company, Waterbury, Conn. Molding decorated plastic articles. 2,364,388; Dec. 5.

Radcliffe, Milton R. (See Raynolds, J. W., and Radcliffe.)

Radio Corporation of America. (See Hansell, Clarence W., assignor.)

Radio Corporation of America. (See Harvey, Robert L., assignor.)

Radio Corporation of America. (See Katzin, Martin, assignor.)

Radio Corporation of America. (See Kellogg, Edward W., assignor.)

Radio Corporation of America. (See Young, Charles J., assignor.)

Ramsey, Frank P., assignor to Arkell & Smiths, Canajoharie, N. Y. Paper bag machine. 2,364,551; Dec. 5.

Raolin Corporation, The. (See Raynolds, J. W., and Radcliffe, assignors.)

Rappl, Anton. (See Horton, Erwin C., and Rappl.)

Rathbun, George D., Manhattan, Kans. Voting machine. 2,364,097; Dec. 5.

Rathbun, George D., Manhattan, Kans. Voting machine ballot parts. 2,364,098; Dec. 5.

Ratte, Leon J. (See Waldo, Russell W.)

Raynolds, James W., and M. R. Radcliffe, Easton, Pa., assignors to The Raolin Corporation, New York, N. Y. Rubber halide plastics. 2,364,589; Dec. 5.

Raytheon Manufacturing Company. (See Klemperer, Hans, assignors.)

Redfield, Henry L. (See Shaver, F. R., and Redfield.)

Reichel, Frank H., assignor to Sylvania Industrial Corporation, Fredericksburgh, Va. Process and apparatus for producing pellicles. 2,364,552; Dec. 5.

Reid, Ebenezer E. (See Francis, A. W., and Reid.)

Reid and Sigrist Limited. (See Bower, Charles, assignor.)

Remington Arms Company. (See Ahlstrom, Edward F., assignor.)

Remington Arms Company. (See Belveal, Robert F., assignor.)

Remington Arms Company. (See Birdsall, Edwin H., assignor.)

Remington Arms Company. (See Catlin, J. P., and Eckstein, assignors.)

Remington Arms Company. (See Riddle, Allen O., Jr., assignor.)

Remington Arms Company. (See Yablonsky, Joseph L., assignor.)

Remington Rand Inc. (See Upham, Harry E., assignor.)

Republic Steel Corporation. (See Morgan, Milton F., assignor.)

Resinous Products & Chemical Company, The. (See Bruson, Herman A., assignor.)

Rice, Harry T. (See Lieber, E., and Rice.)

Rich, Theodore A., Schenectady, N. Y., assignor to General Electric Company. Direct current measurement. 2,364,474; Dec. 5.

Riddle, Allen O., Jr., Kansas City, Mo., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Article aligning device. 2,364,243; Dec. 5.

Rische, Gottlieb, New York, N. Y. Side rolling mechanism for automobiles. 2,364,553; Dec. 5.

Roberson, Cyrus E., assignor to The Noble & Wood Machine Company, Hoosick Falls, N. Y. Defibering apparatus. 2,364,244; Dec. 5.

Roche, Alleman H. and T. W. Elliott, assignors to Standard Telephones and Cables Limited, London, England. Negative feedback amplifiers. 2,364,389; Dec. 5.

Roemer, Ralph R., Cleveland, Ohio. Power operated machine tool. 2,364,475; Dec. 5.

Ross, James L. (See McKanna, R. H., and Ross.)

Rotary Research Corporation. (See Platt, Haviland H., assignor.)

Royal, Robert R., and F. F. Hayes, Paducah, Ky., R. E. Berggren, Chicago, Ill., and J. B. Temple, Paducah, Ky. Grappling hook. 2,364,316; Dec. 5.

Ruben, Zorro D., Chicago, Ill. Mechanism for the interconversion of reciprocating and rotary motion. 2,364,099; Dec. 5.

Rubin, Louis C. (See Solomon, E., Passino, and Rubin.)

Ruf, Herman P., New York, N. Y. Unwinding machine. 2,364,476; Dec. 5.

Sacks, Charles H., Brooklyn, N. Y. Building construction. 2,364,245; Dec. 5.

Sanford, Hugh W., Knoxville, Tenn. Drop bottom door latching equipment for mine cars. 2,364,554; Dec. 5.

Sarnes, Lowell F., Dearborn, assignor to Monarch Governor Company, Detroit, Mich. Rearview mirror. 2,364,165; Dec. 5.

Savitzky, Abraham, Bronx, assignor to Marvel Slide Fastener Corporation, New York, N. Y. Slider for slide fasteners and making the same. 2,364,100; Dec. 5.

Sayles, James N. (See Sayles, L. F. and J. N.)

Sayles, Louis F. and J. N., Portland, Oreg. Adjustable supporting bracket. 2,364,477; Dec. 5.

Schaafsma, Jan G., Pasadena, Calif., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Removing mercaptan sulphur from petroleum distillate. 2,364,390; Dec. 5.

Schaefer, Reinhold A., Rocky Hill, assignor to Hartford-Empire Company, Hartford, Conn. Making self-insulated refractories. 2,364,317; Dec. 5.

Schauer, Lawrence L., Wyoming, assignor to The Cincinnati Bickford Tool Company, Cincinnati, Ohio. Supplemental counterbalance. 2,364,318; Dec. 5.

Schiller, Harold, Los Angeles, Calif., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Treatment of fabrics with metallic soaps. 2,364,391; Dec. 5.

Schimel, Abe, New York, N. Y. Holder for metal wool. 2,364,319; Dec. 5.

Schlitters, Michael J., East Detroit, Mich. Shaving tool. 2,364,320; Dec. 5.

Schmitz, Anton W. (See Starie, G. B., and Schmitz.)

Schmitz, William R., Jr., Richmond, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of alkali metal cellulose xanthate. 2,364,392; Dec. 5.

Scholl, Clark, assignor to The Steel Products Engineering Company, Springfield, Ohio. Conveyer apparatus. 2,364,166; Dec. 5.

Schopmeyer, Herman H., Hammond, Ind., and H. A. Kaufmann, Pelham Manor, N. Y., assignors to American Maize-Products Company. Starch size. 2,364,590; Dec. 5.

Schramm, Inc. (See Gustafson, Alfred N., assignor.)

Schreiber, Albert J., Grosse Pointe Farms, assignor to Square Tool, Die & Mfg. Co., Warren, Mich. Work support. 2,364,478; Dec. 5.

Schroeder, Lester F., assignor to Metal Office Furniture Company, Grand Rapids, Mich. Drawer. 2,364,479; Dec. 5.

Schurman, Adolph G., Baltimore, Md. Milling. 2,364,101; Dec. 5.

Schymik, Walter H., Oreland, assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Circuit breaker compartment door operated tripping device. 2,364,480; Dec. 5.

Scott and Williams, Incorporated. (See Houseman, Harold E., assignor.)

Scott, Harry A., Omaha, Nebr., assignor to Super Mold Corporation of California. Curing rubber. 2,364,167; Dec. 5.

Screw Conveyor Corporation. (See Escher, Edward P., assignor.)

Scripture, Edward W., Jr., Shaker Heights, Ohio. Cement composition and making same. 2,364,555; Dec. 5.

Seamless Rubber Company, The. (See Madsen, Paul S., assignor.)

Sears, Roebuck and Co. (See Nicholson, Madison G., Jr., assignor.)

Seeck, Ferdinand W., Lebanon, Oreg. Gearless variable speed transmission. 2,364,393; Dec. 5.

Seiler, James F., Washington, D. C., assignor to American Wood-Preservers' Association. Shear developer. 2,364,481; Dec. 5.

Seiler, John, Maricopa County, Ariz. Bookrack. 2,364,482; Dec. 5.

Selas Corporation of America. (See Hess, F. O., and Wakefield, assignors.)

Sessums, John W., Jr., Washington, D. C. Aircraft flight indicator. 2,364,102; Dec. 5.

Seymour, Wray S. (See Silva, F. G., and Seymour.)

Shallcross, Wilmer M. (See Malone, H. E., and Shallcross.)

Shallenberg, Walter A., assignor to The Deming Company, Salem, Ohio. Impeller pump. 2,364,168; Dec. 5.

Shaver, Florence R., and H. L. Redfield, Brooklyn, N. Y. Two-wheel shopping cart. 2,364,246; Dec. 5.

Shearer, John W., Memphis, Tenn. Football. 2,364,247; Dec. 5.

Sheck, Oscar, assignor to Koehring Company, Milwaukee, Wis. Water measuring tank. 2,364,321; Dec. 5.

Sheepshanks, Richard H. (See Ballamy, L. M., and Sheepshanks.)

Shelanski, Herman A. (See Cantor, Abraham.)

Shell Development Company. (See Davis, O. L., and Nixon, assignors.)

Shell Development Company. (See de Simó, M., and Cheney, assignors.)

Shell Development Company. (See Morris, R. C., and Shokal, assignors.)

Shokal, Edward C. (See Morris, R. C., and Shokal.)

Shriver, T., & Company. (See Jabreis, Carl A.)

Shultz, Frederick A., F. L. Speckman, L. D. Woolley, E. T. Mahlmeister, and L. N. Barnum, assignors to The National Cash Register Company, Dayton, Ohio. Abrading machine. 2,364,322; Dec. 5.

Sibley, Robert L., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Plasticized rubber compositions and plasticizing rubber. 2,364,394; Dec. 5.

Side, Frederick W., assignor to The Brown Instrument Company, Philadelphia, Pa. Measuring apparatus. 2,364,483; Dec. 5.

Silliman, Louis A., assignor to C. J. Bates & Son, Chester, Conn. Tatting shuttle. 2,364,484; Dec. 5.

Silva, Frederick G., and W. S. Seymour assignors to Davenport Machine Tool Co., Inc., Rochester, N. Y. Automatic screw machine. 2,364,169; Dec. 5.

Simpson, Clarence, Springfield, Mass. Recoil mechanism. 2,364,103; Dec. 5.

Sims, Alfred V., deceased, New York, N. Y.; A. W. Sims, executor. Granular support. 2,364,395; Dec. 5.

Sims, William, executor. (See Sims, Alfred V.)

Slate, Arthur R. (See Koplin, H., and Slate.)
Smirl, Richard L. (See Nutt, H., and Smirl.)
Smith, Thomas R. (See Calvin, F. O., Wilson, and Smith.)
Smith, Wiley C., Arlington, Va., assignor to Claude R. Wickard, as Secretary of Agriculture of the United States of America, and to his successors in office. Treating crude pine tars. 2,364,104; Dec. 5.
Socke, John E., Pelham Manor, assignor to American Can Company, New York, N. Y. Handle. 2,364,105; Dec. 5.
Socony-Vacuum Oil Company. (See Dice, Marion E., assignor.)
Socony-Vacuum Oil Company. (See Francis, A. W., and Reid, assignors.)
Socony-Vacuum Oil Company. (See Schaafsma, Jan G., assignor.)
Socony-Vacuum Oil Company. (See Schiller, Harold, assignor.)
Sokol, Max. (See Bertran, E. M., and Sokol.)
Soley, William G. (See Benner, R. C., and Soley.)
Solomon, Ernest, Nutley, H. J. Passino, Jersey City, and L. C. Rubin, West Caldwell, assignors to The M. W. Kellogg Company, Jersey City, N. J. Hydrocarbon conversion. 2,364,106; Dec. 5.
Solvay Process Company, The. (See Stowe, Vernon M., assignor.)
Somers, Richard M., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Telegraphone. 2,364,556; Dec. 5.
Sonntag, Hermann, Whittier, assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Hoisting sling. 2,364,170; Dec. 5.
Speckman, Franklin L. (See Shultz, F. A., Speckman, Woolley, Mahlmeister, and Barnum.)
Spencer, Charles B., Pittsburgh, Pa. Acoustical device. 2,364,485; Dec. 5.
Spencer, Virgil, Manheim Township, Lancaster County, assignor to Armstrong Cork Company, Lancaster, Pa. Method and apparatus for manufacturing hard-surface covering. 2,364,248; Dec. 5.
Sperry, Russell L. (See Thurston, J. T., and Sperry.)
Square Tool, Die & Mfg. Co. (See Schreiber, Albert J., assignor.)
Staege, Stephen A., assignor to The Black-Clawson Company, Hamilton, Ohio. Pulp screen. 2,364,171; Dec. 5.
Staehle, Henry C. (See Jelley, E. E., and Staehle.)
Stahler, George H., Shaker Heights, Ohio. Combination machine tool. 2,364,396; Dec. 5.
Staley, Guy W., Robbinsdale, Minn. Cable insulation slitting tool. 2,364,397; Dec. 5.
Stampfli, Joseph G. (See Clarke, H. T., and Stampfli.)
Standard Alcohol Company. (See Brooks, Benjamin T., assignor.)
Standard Oil Company, The. (See Burk, Robert E., assignor.)
Standard Oil Company, The. (See Burk, R. E., and Hartig, assignors.)
Standard Oil Company, et al. (See Layng, E. T., Voorhees, assignors.)
Standard Oil Development Company. (See Ellis, Carleton, assignor.)
Standard Oil Development Company. (See Foster, James L., assignor.)
Standard Oil Development Company. (See Kohler, Henry F., assignor.)
Standard Oil Development Company. (See Lieber, E., and Rice, assignors.)
Standard Oil Development Company. (See Moore, Thomas V., assignor.)
Standard Oil Development Company. (See Zimmer, J. C., and Wasson, assignors.)
Standard Paper Goods Mfg. Co. (See MacNeill, Frank L., assignor.)
Standard Register Company, The. (See Metzner, Albert W., assignor.)
Standard Telephones and Cables Limited. (See Roche, A. H., and Elliott, assignors.)
Starie, George B., Schenectady, and A. W. Schmitz, Scotia, N. Y., assignors to General Electric Company. Control system. 2,364,486; Dec. 5.
Stark, Rawson E. (See Stupakoff, S. H., and Stark.)
Staude, Edwin G., Minneapolis, Minn. Blank counter. 2,364,324; Dec. 5.
Staude, Edwin G., and A. M. Walstrom, Minneapolis, Minn.; said Walstrom assignor to said Staude. Variable speed transmission. 2,364,323; Dec. 5.
Staude, Edwin G., and A. M. Walstrom, Minneapolis, Minn.; said Walstrom assignor to said Staude. Variable speed transmission. 2,364,325; Dec. 5.
Stauffer, Harry G., Drexel Hill, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Coating compositions. 2,364,172; Dec. 5.
Steel Products Engineering Company, The. (See Scholl, Clark, assignor.)
Steel, Raymond J., Los Angeles, Calif. Car cooler. 2,364,249; Dec. 5.
Stellin, Donnie V., Detroit, Mich. Interchangeable punch and die and retainer for same. 2,364,401; Dec. 5.
Stephens, Joseph A., Vermillion, S. Dak. Tobacco dispenser. 2,364,326; Dec. 5.
Stevenson, Halsey B., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of 2-mercapto-thiazoline. 2,364,398; Dec. 5.
Stevenson, Jesse J., Minneapolis, Minn. Range finder. 2,364,557; Dec. 5.
Stewart, Robert J., and H. H. Franz, assignors to Crown Cork & Seal Company, Baltimore, Md. Apparatus for filling. 2,364,400; Dec. 5.
Stift, Edward, St. Louis, Mo. Spring wheel. 2,364,173; Dec. 5.
Stocker, Closman P., Lorain, Ohio, assignor of one-half to E. M. Heavens. Rectifying arrangement. 2,364,558; Dec. 5.
Stocker, Closman P., et al. (See Huge, Henry M., assignor.)
Stokes, Joseph T., Atlantic City, N. J. Eel knife. 2,364,250; Dec. 5.
Storer, Richard M., Denver, Colo. Ice-producing mechanism. 2,364,559; Dec. 5.
Stoughton, John L., and W. S. Landon, assignors to Detroit Lubricator Company, Detroit, Mich. Controlling means. 2,364,591; Dec. 5.
Stover, Clyde N., Towson, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for making fabric covered cores. 2,364,560; Dec. 5.
Stover, Clyde N., Towson, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Covered core. 2,364,561; Dec. 5.
Stowe, Vernon M., Petersburg, Va., assignor to The Solvay Process Company, New York, N. Y. Preparation of catalysts. 2,364,562; Dec. 5.
Strain, William H. (See Dickey, J. B., Strain, and Corbitt.)
Strang, John M., and I. C. M. Bell, assignors to Barr & Stroud, Limited, Glasgow, Scotland. Mechanism for the conversion of motion according to one law into motion according to another law. 2,364,174; Dec. 5.
Strasser, Fred, assignor to Alexandre Clavel, Basel, Switzerland. Solder for aluminium work pieces. 2,364,402; Dec. 5.
Stribling, John B., Rotan, Tex. Keratitic medicament. 2,364,563; Dec. 5.
Strickland, Randolph L., and H. Zemon, assignors to Detroit Aluminum and Brass Corp., Detroit, Mich. Apparatus for electroplating. 2,364,564; Dec. 5.
Stubbs, Everard, assignor to The Fellows Gear Shaper Company, Springfield, Vt. Apparatus for locally hardening gears, shafts, etc. 2,364,565; Dec. 5.
Stupakoff Ceramic & Manufacturing Company. (See Stupakoff, S. H., and Stark, assignors.)
Stupakoff, Semon H., Latrobe, and R. E. Stark, Greensburg, assignors to Stupakoff Ceramic & Manufacturing Company, Latrobe, Pa. Extruding press. 2,364,566; Dec. 5.
Sturgis, Bernard M. (See Williams, I., Sturgis, and Verbanc.)
Sullivan Machinery Company. (See Baldwin, C. P., and Vanderzee, assignors.)
Super Mold Corporation of California. (See Scott, Harry A., assignor.)
Sutherland Paper Company. (See Buttery, Kenneth T., assignor.)
Svirsky, Bennett, Glendale, Calif., assignor of fifteen per cent to I. Svirsky, New Haven, Conn. Silent screwless valve plug. 2,364,107; Dec. 5.
Svirsky, Irving. (See Svirsky, Bennett, assignor.)
Swanson Tool and Machine Corporation. (See Pedersen, Jens O., assignor.)
Swartz, William L., assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn. Firearm accessory. 2,364,487; Dec. 5.
Swearingen, Clair V., Chattanooga, Tenn. Treating fluid. 2,364,488; Dec. 5.
Swennes, Benjamin A., Rockford, assignor to Borg-Warner Corporation, Chicago, Ill. Motor driven vehicle. 2,364,327; Dec. 5.
Swentzel, John P., assignor to The Carborundum Company, Niagara Falls, N. Y. Bonded silicon carbide refractories. 2,364,108; Dec. 5.
Swift, George W., Jr. Inc. (See Bruker, Hobart W., assignor.)
Sykes, Thomas F., Jr., Drexel Hill, Pa. Lifting, turning, and seating device for plug valves. 2,364,567; Dec. 5.
Sylvania Industrial Corporation. (See Reichel, Frank H., assignor.)
Taliaferro, David B., Jr. (See Miller, H. C., Berwald, and Taliaferro.)
Taylor Engines Inc. (See Taylor, Lloyd M., assignor.)
Taylor, Lloyd M., San Leandro, assignor to Taylor Engines Inc., Oakland, Calif. Crankshaft and making the same. 2,364,109; Dec. 5.
Taylor, Walter W., assignor to Malsbary Manufacturing Company, Oakland, Calif. Fuel feeding system for burners. 2,364,489; Dec. 5.
Temple, James B. (See Royal, R. R., Hayes, Berggren, and Temple.)
Terman, Frederick E., Stanford University Calif., assignor, to International Standard Electric Corporation, New York, N. Y. Reduction of low frequency regeneration and hum in multistage audio amplifiers. 2,364,403; Dec. 5.
Testi, Nicholas, assignor to Gillette Safety Razor Company, Boston, Mass. Safety razor. 2,364,251; Dec. 5.
Texaco Development Corporation. (See Kaufman, David S., assignor.)
Texas Company, The. (See Veltman, Preston L., assignor.)

Thieme, George B., Richmond Hill, assignor to Bendix Aviation Corporation, South Bend, Ind. Safety device. 2,364,252; Dec. 5.
Thomas, Frank E., Chicago, Ill. Treadmill toy. 2,364,253; Dec. 5.
Thomas, Harry W., Miami Beach, Fla. Screen material. 2,364,404; Dec. 5.
Thomas, John H., Perrysburg, and E. Fletcher, Newark, Ohio, assignors to Owens-Corning Fiberglas Corporation. High-speed traversing means. 2,364,569; Dec. 5.
Thomas, Norman H. (See Thomas, Norman M. and N. H.)
Thomas, Norman M., Medford Lakes, and N. H. Thomas, South Orange, N. J., assignors to Joe Lowe Corporation, New York, N. Y. Dipping coating for frozen confectionery products. 2,364,592; Dec. 5.
Thommen, Hans, A. Halm, and G. Brühlmann, assignors to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Gas blast circuit breaker. 2,364,254; Dec. 5.
Thorsberg, Eric A., Mahopac, N. Y. Attachment for milling machines. 2,364,328; Dec. 5.
Thurston, Jack T., Riverside, and D. E. Nagy, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. N,N'-diarylamidines. 2,364,593; Dec. 5.
Thurston, Jack T., Riverside, and R. L. Sperry, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Preparation of acid salts of guanylthiourea. 2,364,594; Dec. 5.
Tiscornia, James A., San Jose, Calif. Temporary shoulder cape. 2,364,568; Dec. 5.
Tondreau, Albert W., Hollywood, Calif., assignor to Warner Bros. Pictures, Inc., New York, N. Y. Film movement mechanism. 2,364,490; Dec. 5.
Torrington, William P. (See Ditto, M. W., and Torrington.)
Triadou, Charles A. M., Guatemala City, Guatemala. Hygienic cleaner. 2,364,491; Dec. 5.
Trico Products Corporation. (See Horton, E. C., and Rappl, assignors.)
Trimbey, Edward J., and G. K. Walker, Glens Falls, N. Y.: said Walker assignor to said Trimbey. Method and apparatus for separating foreign matter from papermaking material. 2,364,405; Dec. 5.
Troth, John T., Wayne, Pa. Combined propelling and steering means for vessels. 2,364,255; Dec. 5.
Troutman, Isaac V., Altoona, Pa. Rail wheel. 2,364,110; Dec. 5.
Tucker, John W., Chicago, Ill. Pump and the like. 2,364,111; Dec. 5.
Tully, James K., Evanston, and B. E. Jones, Flossmoor, assignors to The Pullman Company, Chicago, Ill. Railway sleeping car. 2,364,595; Dec. 5.
Tumolillo, Gerald H., Philadelphia, Pa. Underwater construction. 2,364,570; Dec. 5.
Turner, Archibald J., assignor to Wilson Athletic Goods Mfg. Co., Inc., Chicago, Ill. Boxer's helmet. 2,364,571; Dec. 5.
Turner, Charles R., assignor to Proctor & Schwartz, Inc., Philadelphia, Pa. Toaster. 2,364,175; Dec. 5.
Tuttle, Malcolm H., New Rochelle, assignor to Max B. Miller & Co., Inc., New York, N. Y. Coking and cracking petroleum residues or the like. 2,364,492; Dec. 5.
Ulinski, Bronislaus, Chicago, Ill., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Crane platform. 2,364,493; Dec. 5.
Union Oil Company of California. (See Freuler, Herbert C., assignor.)
Union Oil Company of California. (See Huppke, W. F., and Vermeulen, assignors.)
Union Oil Company of California. (See McLean, George B., assignor.)
United Shoe Machinery Corporation. (See Burby, Philip E., assignor.)
United States Air Compressor Company, The. (See Pelouch, James J., assignor.)
Upham, Harry E., Bridgeport, Conn., assignor to Remington Rand Inc., Buffalo, N. Y. Making electro-magnetic impulse motor. 2,364,572; Dec. 5.
Upson, Ralph H., Ann Arbor, Mich., assignor, by mesne assignments, to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Applying covering to airplane wing frames. 2,364,494; Dec. 5.
Van Brunt Manufacturing Company, The. (See Hyland, William A., assignor.)
Vanderzee, Harry H. (See Baldwin, C. P., and Vanderzee.)
Van Every, Bliss, Buffalo, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture. 2,364,112; Dec. 5.
Van Roo, Robert, U. S. Army, West Point, N. Y. Apparatus for stacking powder grains. 2,364,113; Dec. 5.
Vard, Inc. (See Kent, Allen H., assignor.)
Vard, Inc. (See MacLeod, Robert M., assignor.)
Veltman, Preston L., Fishkill, assignor to The Texas Company, New York, N. Y. Catalysts. 2,364,114; Dec. 5.
Verbanc, John J. (See Williams, I., Sturgis, and Verbanc.)
Vergobbi, John G., Quincy, Mass., assignor to Pneumatic Scale Corporation, Limited. Carton forming machine. 2,364,406; Dec. 5.
Vermeulen, Theodore. (See Huppke, W. F., and Vermeulen.)
Vetter, Joseph J., Hackensack, assignor to Natural Products Refining Co., Jersey City, N. J. Making chromium iron alloys. 2,364,257; Dec. 5.
Victor, Alexander F., New York, N. Y. Adjustable sound optics for cineprojectors. 2,364,495; Dec. 5.
Vogel, Frank, Philadelphia, Pa. Airship propulsion. 2,364,496; Dec. 5.
Vokes, Cecil G., London, England. Filter. 2,364,573; Dec. 5.
Voorhees, Vanderveer. (See Layng, E. T., and Voorhees.)
Wahnish, George, and A. F. Cameron, Los Angeles, Calif. Centering device. 2,364,497; Dec. 5.
Wakefield, Richard E. B. (See Hess, F. O., and Wakefield.)
Waldo, Russell W., and L. J. Ratte, St. Paul, Minn. Turret attachment for lathes. 2,364,329; Dec. 5.
Waldorf Paper Products Company. (See Guyer, Reynolds, assignor.)
Waldron, Louis, assignor of one-third to J. J. Cronin, and one-third to E. J. Hoerdt, Albany, N. Y. Ball stud retainer. 2,364,176; Dec. 5.
Wales, George F., Kenmore, N. Y. Blanking and punching apparatus. 2,364,574; Dec. 5.
Walker, George K. (See Trimbey, E. J., and Walker.)
Walker, Isaac F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Yarn production. 2,364,407; Dec. 5.
Walker, Nevilles E., Portland, Oreg. Weighted glider. 2,364,498; Dec. 5.
Wallace, Frank C., assignor to H. H. Helbush, Los Angeles, Calif. Sheet metal clamp. 2,364,408; Dec. 5.
Wallace, Hugh S., Ingram, Pa. Kit apron. 2,364,258; Dec. 5.
Walstrom, Axel M. (See Staude, E. G., and Walstrom.)
Warner Bros. Pictures, Inc. (See Tondreau, Albert W., assignor.)
Warren, Frederick J., Newton, assignor to The Warren Soap Manufacturing Company, Inc., Cambridge, Mass. Soap package and making the same. 2,364,575; Dec. 5.
Warren Soap Manufacturing Company, The. (See Warren, Frederick J., assignor.)
Wasson, Jones I. (See Zimmer, John C., and Wasson.)
Waters, Harry F., New York, N. Y. Siftproof package and side seam therefor. 2,364,576; Dec. 5.
Waters, Roy B. (See Charlton, W., Harrison, and Waters.)
Watts, John T. (See Lewis, J. R., Morgan, and Watts.)
Webb, Charles E., New London, Wis., assignor to Edison Wood Products, Incorporated, West Orange, N. J. Crib. 2,364,577; Dec. 5.
Wehringer, Herman H., Montclair, N. J. Cord or cable take-up device. 2,364,262; Dec. 5.
Weigel, Daniel M., Detroit, Mich. Internal-combustion engine. 2,364,330; Dec. 5.
Weiskopf, Edwin C., New York, N. Y. Cabinet. 2,364,409; Dec. 5.
Wells, Sidney D., Combined Locks, assignor to The Institute of Paper Chemistry, Appleton, Wis. Manufacture of bleached kraft pulp. 2,364,177; Dec. 5.
Welsby, Silas, and C. Burton, assignor to David Brown & Sons (Huddersfield) Limited, Huddersfield, England. Expanding reamer. 2,364,259; Dec. 5.
Western Electric Company. (See Graveson, G. L., and Keith, assignors.)
Western Electric Company. (See Stover, Clyde N., assignor.)
White, Charles H., assignor to Deere & Company, Moline, Ill. Differential gear. 2,364,411; Dec. 5.
White, Samuel O., Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Synchronizing transmission. 2,364,331; Dec. 5.
Whitehead, Willard J., assignor to Woodward Governor Company, Rockford, Ill. Governor control for prime movers. 2,364,115; Dec. 5.
Whitehead, Willard J., assignor to Woodward Governor Company, Rockford, Ill. Governor control. 2,364,116; Dec. 5.
Whittaker, Donald, Northwich, England, assignor to Imperial Chemical Industries Limited. Halogenated polythenes. 2,364,410; Dec. 5.
Whittel, Otto, assignor to Eastman Kodak Company, Rochester, N. Y. Recording apparatus. 2,364,412; Dec. 5.
Wico Electric Company. (See Harmon, Kenneth A., assignor.)
Wigal, Voorhis F., New England, W. Va. Gyroscopic toy. 2,364,117; Dec. 5.
Wilkie, Leighton A., Des Plaines, Ill. Sailboat. 2,364,578; Dec. 5.
Wilkinson, Bernard, assignor to Wilkinson Rubber Linatex Limited, London, England. Hose pipe. 2,364,332; Dec. 5.
Wilkinson Rubber Linatex Limited. (See Wilkinson, Bernard, assignor.)
Williams, Ira, Borger, Tex., B. M. Sturgis, Pitman, N. J., and J. J. Verbanc, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of 2-mercapto-thiazoline. 2,364,399; Dec. 5.
Williams, John M. (See Delfoe, E. F., and Williams.)
Wilson, Alexander L., Sharpsburg, Pa., assignor to Carbide and Carbon Chemicals Corporation. Aminoalkylation of nitrogen derivatives. 2,364,178; Dec. 5.

Wilson Athletic Goods Mfg. Co. (See Turner, Archibald J., assignor.)
Wilson Cabinet Company. (See Markley, Richard, Jr., assignor.)
Wilson, Robert G., Long Beach, Calif. Casting apparatus. 2,364,179; Dec. 5.
Wilson, Robert G., Long Beach, Calif. Casting apparatus. 2,364,180; Dec. 5.
Wilson, Samuel I. (See Connell, R., and Wilson.)
Wilson, William G. (See Calvin, F. O., Wilson, and Smith.)
Winkler, Marion R., Milwaukee, Wis. Tuned filter circuit. 2,364,260; Dec. 5.
Wisher, Charles E., Spencerville, Ohio. Fish scaling and cleaning device. 2,364,333; Dec. 5.
Wittel, Otto, assignor to Eastman Kodak Company, Rochester, N. Y. Variable field mechanism for view finders. 2,364,413; Dec. 5.
Wold, Harry C., Los Angeles, Calif. Nibbling machine. 2,364,334; Dec. 5.
Wolfe, Halley, Los Angeles, Calif., assignor, by mesne assignments, to Petrolite Corporation, Ltd., Wilmington, Del. Method and apparatus for electrically treating fluids. 2,364,118; Dec. 5.
Wolfskill, John M., assignor to Bliley Electric Company, Erie, Pa. Piezoelectric crystal apparatus. 2,364,501; Dec. 5.
Wolofski, Nicholas, assignor to The Murray Corporation of America, Detroit, Mich. Spring construction. 2,364,499; Dec. 5.
Wolofski, Nicholas, assignor to The Murray Corporation of America, Detroit, Mich. Spring construction. 2,364,500; Dec. 5.
Wood, Glenn D., assignor to Posture Research Corporation, Elkhart, Ind. Chair. 2,364,261; Dec. 5.
Woodward Governor Company. (See Whitehead, Willard J., assignor.)
Woolley, Loren D. (See Shultz, F. A., Speckman, Woolley, Mahlmeister, and Barnum.)
Wooten, Cecil B., El Nido, Calif. Leaf separator. 2,364,335; Dec. 5.
Wyckoff, Ralph W. G., Suffern, assignor to Lederle Laboratories, Inc., New York, N. Y. Hog cholera vaccine. 2,364,579; Dec. 5.
Yablonsky, Joseph L., Fairfield, assignor to Remington Arms Company, Inc., Bridgeport, Conn. Gauging machine. 2,364,263; Dec. 5.
Yale & Towne Manufacturing Company, The. (See Ulinski, Bronislaus, assignor.)
Yeomans, Lucien I., Chicago, Ill. Distributing fluid in accurately measured quantities. 2,364,264; Dec. 5.
Young, Charles J., Ardmore, Pa., assignor to Radio Corporation of America. Facsimile apparatus. 2,364,580; Dec. 5.
Zadek, Arthur, assignor to Zadek-Feldstein Co., Inc., New York, N. Y. Rattle. 2,364,581; Dec. 5.
Zadek-Feldstein Co. (See Zadek, Arthur, assignor.)
Zaeslin, Hans. (See Martin, H., Baumann, Zaeslin, and Gysin.)
Zemon, Harold. (See Strickland, R. L., and Zemon.)
Zephyr Laundry Machinery Company. (See Koplin, H., and Slate, assignors.)
Zimmer, John C., Union, and J. I. Wasson, Townley, N. J., assignors to Standard Oil Development Company. Fuel compositions. 2,364,502; Dec. 5.
Zink, George A., Indianapolis, Ind., assignor to General Motors Corporation, Detroit, Mich. Bearing and making same. 2,364,503; Dec. 5.
Zuckerman, Adolph M., assignor to R. Hoe & Co., Inc., New York, N. Y. Stapling mechanism for rotary printing machines. 2,364,504; Dec. 5.
Zwiebel, William A. (See Purinton, F. G., and Zwiebel.)

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 5TH DAY OF DECEMBER, 1944

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Comb. W. Huppert. Re. 22,573; Dec. 5.
Control system and apparatus. A. A. Collins. Re. 22,574; Dec. 5.

LIST OF PLANT INVENTIONS

Rose plant. C. Hartgerink. 647; Dec. 5.

LIST OF DESIGN INVENTIONS

Airplane. G. W. Walker. 139,634; Dec. 5.
Ash tray. W. A. Davidson. 139,639; Dec. 5.
Automobile. G. W. Walker. 139,631; Dec. 5.
Automobile. G. W. Walker. 139,636; Dec. 5.
Bar, Coaming. T. R. Lilly. 139,668; Dec. 5.
Billfold, change purse, and key holder, Combined. L. Halber. 139,607; Dec. 5.
Bracelet and watch, Combined. B. Pereira. 139,671; Dec. 5.
Bus. G. W. Walker. 139,633; Dec. 5.
Case, Lipstick. I. Rich. 139,617; Dec. 5.
Charm or similar article. J. L. Reed. 139,615; Dec. 5.
Climber. R. L. Woodbury. 139,625; Dec. 5.
Coat. A. Gruber. 139,654; Dec. 5.
Cradle. J. M. Wade. 139,630; Dec. 5.
Cradle toy. E. Nudelman. 139,595; Dec. 5.
Diagnostic instrument. C. A. Ellis. 139,602; Dec. 5.
Dispenser unit, Tape. M. Kahn. 139,665; Dec. 5.
Doll. A. J. Bressler. 139,593; Dec. 5.
Doll or similar article. R. A. Gudt. 139,594; Dec. 5.
Dress. J. Frazita. 139,603–4; Dec. 5.
Electrode holder. G. E. Reynolds. 139,672; Dec. 5.
Eyeglasses. B. S. Norton. 139,613; Dec. 5.
Fan, guide, and whetting disk, Combined cutlery grinder. A. M. Jacobson. 139,608; Dec. 5.
Figurine. A. Robinson. 139,656; Dec. 5.
Fish lure. S. Jorgensen. 139,655; Dec. 5.
Flashlight. D. Chapman. 139,628; Dec. 5.
Game target, Quoit. E. G. Schumacher. 139,597–8; Dec. 5.
Gauge or similar article, Pipe. J. E. Levin. 139,611; Dec. 5.
Handbag. J. Goldberg. 139,606; Dec. 5.
Handbag, Lady's. M. R. Norton. 139,612; Dec. 5.
Handle for cooking vessels or the like. N. Shaeffer. 139,657; Dec. 5.
Hat. A. Reinsberg. 139,616; Dec. 5.
Hat, Woman's. E. F. Scheppler. 139,618; Dec. 5.
Helicopter. G. W. Walker. 139,632; Dec. 5.
Jacket. J. Barbel. 139,658–61; Dec. 5.
Lighting fixture. M. S. Greenwald. 139,663; Dec. 5.
Lighting fixture body. J. G. Lippincott. 139,669; Dec. 5.
Lighting fixture, Ceiling. J. G. Lippincott. 139,670; Dec. 5.
Pitcher or similar article, Cream. G. D. Adams. 139,638; Dec. 5.
Play-pen, Child's. E. Berry. 139,662; Dec. 5.
Polisher, Floor. C. B. Stevens. 139,620–24; Dec. 5.
Ring. A. Klein. 139,666–7; Dec. 5.
Scale, Layout. K. Jaeger. 139,609; Dec. 5.
Shoe. H. Levetus. 139,610; Dec. 5.
Slipper. B. Casso. 139,601; Dec. 5.
Sock or similar article, Slipper. D. Schreiber. 139,619; Dec. 5.
Spoon, Medicine. L. Fuchs. 139,605; Dec. 5.
Spoon or other article of flatware. J. Brokate. 139,599–600; Dec. 5.
Stocking, Sport. G. E. Piana. 139,614; Dec. 5.
Suit. A. Gruber. 139,640–53; Dec. 5.
Table, Overbed. B. A. Doty. 139,629; Dec. 5.
Tractor. G. W. Walker. 139,635; Dec. 5.
Trainer, Motorized preflight. V. S. Jensen. 139,664; Dec. 5.
Traveler for spinning ring. W. M. Camp. 139,627; Dec. 5.
Traveler for twisting ring. W. M. Camp. 139,626; Dec. 5.
Truck. G. W. Walker. 139,637; Dec. 5.
Watch band. R. H. Preas. 139,596; Dec. 5.
Wheeled toy. E. M. Belknap. 139,591–2; Dec. 5.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 5TH DAY OF DECEMBER, 1944

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrading apparatus. W. L. Keefer. 2,364,077; Dec. 5.
Abrading machine. F. A. Shultz, F. L. Speckman, L. D. Woolley, E. T. Mahlmeister, and L. N. Barnum. 2,364,322; Dec. 5.
Accelerator control. J. A. O'Connor. 2,364,092; Dec. 5.
Accoustical device. C. B. Spencer. 2,364,485; Dec. 5.
Acid salts of guanylthiourea, Preparation of. J. T. Thurston and R. L. Sperry. 2,364,594; Dec. 5.
Acids from hydrocarbons, Removing. O. L. Davis and A. C. Nixon. 2,364,582; Dec. 5.
Adjustable supporting bracket. L. F. and J. N. Sayles. 2,364,477; Dec. 5.
Agricultural implement. J. L. Jones. 2,364,449; Dec. 5.
Aiming device for automatic guns. W. Meyer. 2,364,585; Dec. 5.
Air-conditioning apparatus. A. Y. Dodge. 2,364,279; Dec. 5.
Air control for gas burners, Automatic. L. C. Kester. 2,364,299; Dec. 5.
Aircraft catching apparatus. C. M. Haygood. 2,364,527; Dec. 5.
Aircraft control device. B. G. Carlson. 2,364,128; Dec. 5.
Aircraft flight indicator. J. W. Sessums, Jr. 2,364,102; Dec. 5.
Air motor. F. H. W. Miller. 2,364,306; Dec. 5.
Airplane heating system control. F. O. Hess and R. E. B. Wakefield. 2,364,214; Dec. 5.
Airplane wing gun mount. E. M. Bertrán and M. Sokol. 2,364,509; Dec. 5.
Airscrew blade, Balanced. A. O. Daniels and H. V. German. 2,364,131; Dec. 5.
Airship propulsion. F. Vogel. 2,364,496; Dec. 5.
Aligning device, Article. A. O. Riddle. 2,364,243; Dec. 5.
Alkali metal cellulose xanthate, Production of. W. R. Schmitz, Jr. 2,364,392; Dec. 5.
Alkylation. A. W. Francis and E. E. Reid. 2,364,203; Dec. 5.
Alkylation process employing hydrogen. C. Ellis. 2,364,430; Dec. 5.
α-pyrone carboxylic acid amides and their manufacture. H. Martin, W. Baumann, H. Zaeslin, and H. Gysin. 2,364,304; Dec. 5.
Ammunition belts to machine guns, Feeding. J. D. North. 2,364,309; Dec. 5.
Amplifiers, Negative feedback. A. H. Roche and T. W. Elliott. 2,364,389; Dec. 5.
Amplifiers, Reduction of low frequency regeneration and hum in multistage audio. F. E. Terman. 2,364,403; Dec. 5.
Amusement or exercising device. E. D. Gibb. 2,364,137; Dec. 5.
Announcing system, Time-of-day. E. H. Jones. 2,364,147; Dec. 5.
Anthraquinone compounds. J. B. Dickey. 2,364,349; Dec. 5.
Apparatus for burning coking coal. J. W. Carl. 2,364,269; Dec. 5.
Apparatus for electroplating. R. L. Strickland and H. Zemon. 2,364,564; Dec. 5.
Apparatus for filling. R. J. Stewart and H. H. Franz. 2,364,400; Dec. 5.
Apparatus for gauging tanks. M. E. Dice. 2,364,346; Dec. 5.
Apparatus for inflating and deflating pontons or the like. A. F. Gustafson. 2,364,211; Dec. 5.
Apparatus for locally hardening gears, shafts, etc. E. Stubbs. 2,364,565; Dec. 5.
Apparatus for producing artificial fog or smoke. T. S. Derr. 2,364,199; Dec. 5.
Apparatus for stacking powder grains. R. Van Roo. 2,364,113; Dec. 5.
Apron, Kit. H. S. Wallace. 2,364,258; Dec. 5.
Article, Inlaid. J. J. Larmour. 2,364,226; Dec. 5.
Assembly device. R. H. McKanna and J. L. Ross. 2,364,230; Dec. 5.
Attachment for lathes, Turret. R. W. Waldo and L. J. Ratte. 2,364,329; Dec. 5.
Attachment for milling machines. E. A. Thorsberg. 2,364,328; Dec. 5.
Azo compounds. G. F. Frame and C. F. H. Allen. 2,364,355; Dec. 5.
Bag: *See*—
  Vacuum cleaner bag.
Baler. C. R. Clouser. 2,364,518; Dec. 5.
Ballot parts, Voting machine. G. D. Rathbun. 2,364,098; Dec. 5.
Bearing. W. C. Hanson. 2,364,290; Dec. 5.
Bearing and making same. G. A. Zink. 2,364,503; Dec. 5.
Bending machine, Book-cover. W. B. Hildmann. 2,364,142; Dec. 5.
Blade, Cultivator. B. F. Gravely. 2,364,208; Dec. 5.
Blades, Manufacturing open-end. J. Muros. 2,364,235; Dec. 5.
Blank creasing and slotting machine. H. W. Bruker. 2,364,342; Dec. 5.
Blanking and punching apparatus. G. F. Wales. 2,364,574; Dec. 5.
Boat, High-speed. V. S. Makaroff. 2,364,541; Dec. 5.
Boat with means for enclosing the propeller when not in use. D. Danielsen. 2,364,426; Dec. 5.
Boats and small craft, Protective springs for. G. P. Lambert. 2,364,081; Dec. 5.
Bolt mechanism for rifles. J. D. Pedersen. 2,364,548; Dec. 5.
Bomb stabilizing means. R. E. Dee. 2,364,197; Dec. 5.
Bookrack. J. Seiler. 2,364,482; Dec. 5.
Booster, Diesel starting. J. F. Greathouse. 2,364,356; Dec. 5.
Bottle capping apparatus. A. J. Marek. 2,364,380; Dec. 5.
Bracket: *See*—
  Adjustable supporting bracket.
  Curtain bracket.
Breaker, Gas blast circuit. H. Thommen, A. Halm, and G. Brühlmann. 2,364,254; Dec. 5.
Buffing lathe for vehicle tires. A. R. Oakes. 2,364,384; Dec. 5.
Building. H. S. Johnson. 2,364,220; Dec. 5.
Building construction. C. H. Sacks. 2,364,245; Dec. 5.
Buoyant structure. A. L. Houghtaling. 2,364,072; Dec. 5.
Burner: *See*—
  Oil burner.
Butadiene, Preparation of. A. E. Lawrence. 2,364,377; Dec. 5.
Cabinet. E. C. Weiskopf. 2,364,409; Dec. 5.
Cable insulation slitting tool. G. W. Staley. 2,364,397; Dec. 5.
Calculating machine. H. P. Luhn. 2,364,540; Dec. 5.
Caliper, Electrical. J. J. Neff. 2,364,237; Dec. 5.
Camera, Roll holding. J. Mihalyi. 2,364,381; Dec. 5.
Cam lapping machine. H. S. Indge. 2,364,218; Dec. 5.
Camouflage and method of making. St. C. M. Hale. 2,364,289; Dec. 5.
Cape, Temporary shoulder. J. A. Tiscornia. 2,364,568; Dec. 5.
Car: *See*—
  Railway car.
  Railway sleeping car.
Car cooler. R. J. Steele. 2,364,249; Dec. 5.
Carbide refractories, Bonded silicon. J. P. Swentzel. 2,364,108; Dec. 5.
Carbides, Forming metal. R. C. Benner and W. G. Soley. 2,364,123; Dec. 5.
Carbon electrodes, Processing. H. A. Kent. 2,364,536; Dec. 5.
Carbonamidine derivatives. M. Hunt and J. E. Kirby. 2,364,074; Dec. 5.
Card translator. F. A. Hubbard. 2,364,446; Dec. 5.
Carrier: *See*—
  Explosive device carrier.
  Golf club carrier.
Carrier and positioning means, Light. P. W. Martineau. 2,364,155; Dec. 5.
Cart, Two-wheel shopping. F. R. Shaver and H. L. Redfield. 2,364,246; Dec. 5.
Carton. K. T. Buttery. 2,364,267; Dec. 5.
Carton forming machine. J. G. Vergobbi. 2,364,406; Dec. 5.
Carton, Reclosing. R. Guyer. 2,364,439; Dec. 5.
Cartridge shells and the like, Testing anneal of. J. P. Catlin and G. R. Eckstein. 2,364,129; Dec. 5.
Casehardening. D. A. Holt. 2,364,292; Dec. 5.
Casting apparatus. R. G. Wilson. 2,364,179–80; Dec. 5.
Catalysts. P. L. Veltman. 2,364,114; Dec. 5.
Catalytic conversions. M. de Simó and H. A. Cheney. 2,364,583; Dec. 5.
Catalytic method. W. F. Huppke and T. Vermeulen. 2,364,145; Dec. 5.
Catalysts, Preparation of. V. M. Stowe. 2,364,562; Dec. 5.
Cellulosic structures, Production of. N. L. Cox. 2,364,273; Dec. 5.
Cement composition and making same. E. W. Scrupture, Jr. 2,364,555; Dec. 5.
Centering device. J. P. Francesco. 2,364,064; Dec. 5.
Centering device. G. Wabnish and A. F. Cameron. 2,364,497; Dec. 5.
Chair: *See*—
  Knockdown easy chair.
Chair. H. T. Benson. 2,364,050; Dec. 5.

Chair. G. D. Wood. 2,364,261; Dec. 5.
Chair construction. J. B. O'Connor. 2,364,093; Dec. 5.
Chamfering tool. F. Hotchner. 2,364,293; Dec. 5.
Changer, Common core frequency. H. M. Huge. 2,364,532; Dec. 5.
Chemical process. H. F. Kohler. 2,364,451; Dec. 5.
Chromium iron alloys, Making. J. J. Vetter. 2,364,257; Dec. 5.
Chuck, Collet. R. E. Hines. 2,364,212; Dec. 5.
Circuit: *See*—
  Tuned filter circuit.
Circuit breaker compartment door operated tripping device. W. H. Schymik. 2,364,480; Dec. 5.
Circuit breaker compartment lock operated tripping device. F. E. Myers. 2,364,465; Dec. 5.
Circulating system, Coolant. P. F. Barker. 2,364,418; Dec. 5.
Clamp: *See*—
  Sheet metal clamp.
Clamp mechanism, Work. E. Davis. 2,364,196; Dec. 5.
Clamping device. W. E. Parks. 2,364,239; Dec. 5.
Cleaner: *See*—
  Hygenic cleaner.
Closure and cleaner, Nozzle. J. E. Pitts. 2,364,164; Dec. 5.
Closure, Can. A. W. Gardes. 2,364,206; Dec. 5.
Closure for collapsible tubes. J. W. Mossett. 2,364,307; Dec. 5.
Cloth take-up mechanism for looms. J. W. Jones. 2,364,534; Dec. 5.
Clutch: *See*—
  Friction clutch.
  One-way clutch.
Coat. J. Giuseffi. 2,364,066; Dec. 5.
Coating apparatus. L. Meister. 2,364,086; Dec. 5.
Coating compositions. H. G. Stauffer. 2,364,172; Dec. 5.
Coating for frozen confectionery products, Dipping. N. M. and N. H. Thomas. 2,364,592; Dec. 5.
Coating system for protecting surfaces against marine growth. G. B. McLean. 2,364,460; Dec. 5.
Coin actuated mechanism for prepayment mechanism. P. Moos. 2,364,544; Dec. 5.
Coking and cracking petroleum residues or the like. M. H. Tuttle. 2,364,492; Dec. 5.
Color correction in duplicating color photographs. L. D. Mannes and L. D. Godowsky, Jr. 2,364,379; Dec. 5.
Combination machine tool. G. H. Stahler. 2,364,396; Dec. 5.
Combine. A. W. Oehler. 2,364,311; Dec. 5.
Composite loom. A. De Ghetto. 2,364,276; Dec. 5.
Condensation products and preparing and using same. E. Lieber and H. T. Rice. 2,364,454; Dec. 5.
Condenser welding system. H. Klemperer. 2,364,079; Dec. 5.
Container. L. P. Bruening. 2,364,125; Dec. 5.
Container and making the same. J. C. Morrell. 2,364,234; Dec. 5.
Control and ejector for grinders, Hydraulic. H. Koplin and A. R. Slate. 2,364,300; Dec. 5.
Control for aircraft. H. P. Henry. 2,364,441; Dec. 5.
Control for prime movers, Governor. W. J. Whitehead. 2,364,115; Dec. 5.
Control, Governor. W. J. Whitehead. 2,364,116; Dec. 5.
Control of refrigeration apparatus. W. L. McGrath. 2,364,459; Dec. 5.
Control system. G. B. Starie and A. W. Schmitz. 2,364,486; Dec. 5.
Control system for station selection, Remote. F. W. Frink. 2,364,285; Dec. 5.
Control system, Remote. F. C. Griese. 2,364,068; Dec. 5.
Controlling means. J. L. Stoughton and W. S. Landon. 2,364,591; Dec. 5.
Conversion process for fertilizer materials. W. C. Graham. 2,364,524; Dec. 5.
Conveyer apparatus. C. Scholl. 2,364,166; Dec. 5.
Conveyer for branding machines. J. Pearson. 2,364,163; Dec. 5.
Cooler: *See*—
  Car cooler.
  Milk cooler.
Cooling device for turbine rotors. A. Büchi. 2,364,189; Dec. 5.
Cord and method and apparatus for making same. R. F. Nickerson. 2,364,467; Dec. 5.
Core drilling. H. C. Miller, W. B. Berwald, and D. B. Taliaferro, Jr. 2,364,088; Dec. 5.
Core, Covered. C. N. Stover. 2,364,561; Dec. 5.
Counter, Blank. E. G. Staude. 2,364,324; Dec. 5.
Counterbalance, Supplemental. L. L. Schauer. 2,364,318; Dec. 5.
Cover for milk delivery cans. J. A. Hopwood. 2,364,216; Dec. 5.
Covering, Method and apparatus for manufacturing hard-surface. V. Spencer. 2,364,248; Dec. 5.
Covering to airplane wing frames, Applying. R. H. Upson. 2,364,494; Dec. 5.
Crankshaft and making the same. L. M. Taylor. 2,364,109; Dec. 5.
Crib. C. E. Webb. 2,364,577; Dec. 5.
Crutch. J. Bourne. 2,364,053; Dec. 5.
Current measurement, Direct. T. A. Rich. 2,364,474; Dec. 5.
Curtain bracket. J. Owsiak. 2,364,161; Dec. 5.
Cutting apparatus, Kerf. C. P. Baldwin and H. H. Vanderzee. 2,364,045; Dec. 5.
Cutting tool. O. C. Martin. 2,364,305; Dec. 5.
Deck, Sectional tank. W. J. Heinrich. 2,364,528; Dec. 5.
Defibering apparatus. C. E. Roberson. 2,364,244; Dec. 5.
Deflector for ventilating systems, Air. N. H. Brickham. 2,364,265; Dec. 5.
Dehydrating apparatus. S. B. Crawford. 2,364,274; Dec. 5.
Developer, Shear. J. F. Seiler. 2,364,481; Dec. 5.
Device for filling and emptying cartridge belts. V. Holek and J. Ondříček. 2,364,530; Dec. 5.
Diamidino-stilbenes, Preparation of. A. J. Ewins and J. N. Ashley. 2,364,200; Dec. 5.
Differential gear. C. H. White. 2,364,411; Dec. 5.
Diffusing screen. E. E. Jelley and H. C. Stachle. 2,364,369; Dec. 5.
Directive antenna system. A. D. Martin, Jr. 2,364,084; Dec. 5.
Disinfectant compounds. M. Hunt, J. E. Kirby, and J. F. Lontz. 2,364,075; Dec. 5.
Dispenser: *See*—
  Tape dispenser.
  Tobacco dispenser.
Dispensing apparatus. F. L. MacNeill. 2,364,231; Dec. 5.
Dispensing apparatus, Liquid. A. L. Grisé. 2,364,138; Dec. 5.
Dispensing device, Adhesive tape. P. S. Madsen. 2,364,461; Dec. 5.
Distillation control. A. G. Bright and W. E. Fisher. 2,364,341; Dec. 5.
Distillation process and apparatus, High vacuum. K. C. D. Hickman. 2,364,360; Dec. 5.
Door latching equipment for mine cars, Drop bottom. H. W. Sanford. 2,364,554; Dec. 5.
Double-acting pump. R. A. Bossi. 2,364,511; Dec. 5.
Drafting instrument. W. W. Hill. 2,364,529; Dec. 5.
Drapery support. G. B. Davis, Jr. 2,364,275; Dec. 5.
Drawer. L. F. Schroeder. 2,364,479; Dec. 5.
Drilling fluid. J. L. Foster. 2,364,434; Dec. 5.
Dyes of the anthraquinone series. M. A. Perkins and D. X. Klein. 2,364,473; Dec. 5.
Dyestuffs of the anthraquinone series, Preparing. R. N. Lulek. 2,364,456; Dec. 5.
Electric meat tenderizer. A. L. Jackson. 2,364,533; Dec. 5.
Electric shaver. W. J. Pasinski. 2,364,162; Dec. 5.
Electrical bore logging, Apparatus for. G. Muffly. 2,364,159; Dec. 5.
Electrical connection. M. N. Bolles. 2,364,124; Dec. 5.
Electrode holder for welding apparatus. A. A. Bernard. 2,364,507; Dec. 5.
Electro-magnetic impulse motors, Making. H. E. Upham. 2,364,572; Dec. 5.
Elevating apparatus for handling bulk materials. E. P. Escher. 2,364,353; Dec. 5.
Enclosure for electrical equipment, Thermally regulated. C. H. Hunsaker. 2,364,144; Dec. 5.
Engine: *See*—
  Internal-combustion engine.
Ester-lactones. R. L. Hasche and J. J. Gordon. 2,364,358; Dec. 5.
Esters, Preparation of organic. W. F. Gresham. 2,364,438; Dec. 5.
Explosive device carrier. H. E. Malone and W. M. Shallcross. 2,364,302; Dec. 5.
Explosive devices, Filling. T. E. Arnold and C. Dobell. 2,364,415; Dec. 5.
Extruding press. S. H. Stupakoff and R. E. Stark. 2,364,566; Dec. 5.
Fabric covered cores, Method of and apparatus for making. C. N. Stover. 2,364,560; Dec. 5.
Facsimile apparatus. C. J. Young. 2,364,580; Dec. 5.
Fastener. A. E. Bryce. 2,364,266; Dec. 5.
Fastening of sheet material into frames and like members. C. Bower. 2,364,512; Dec. 5.
Feed for horn antennas, Double polarization. M. Katzin. 2,364,371; Dec. 5.
Feeding device for sewing machines and the like. L. M. Ballamy and R. H. Sheepshanks. 2,364,046; Dec. 5.
Feeding devices, Control of fuel. A. E. Baak. 2,364,184; Dec. 5.
Feeding system for burners, Fuel. W. W. Taylor. 2,364,489; Dec. 5.
Fermented beverages, Vitamizing. M. W. Ditto and W. P. Torrington. 2,364,060; Dec. 5.
Field mechanism for view finders, Variable. O. Wittel. 2,364,413; Dec. 5.
Film drive mechanism, Sound. E. W. Kellogg. 2,364,148; Dec. 5.
Film movement mechanism. A. W. Tondreau. 2,364,490; Dec. 5.
Film scrap, Recovery of. H. T. Clarke and J. G. Stampfli. 2,364,343; Dec. 5.
Films, Manufacture of. H. D. Foster and A. W. Larchar. 2,364,435; Dec. 5.
Filter: *See*—
  Oil filter.
Filter. C. G. Vokes. 2,364,573; Dec. 5.
Fin-cutting machine. G. B. Farkas and A. Y. Gunter. 2,364,432; Dec. 5.
Finder, Range. J. J. Stevenson. 2,364,557; Dec. 5.
Firearm accessory. W. L. Swartz. 2,364,487; Dec. 5.
Fish scaling and cleaning device. C. E. Wisher. 2,364,333; Dec. 5.
Fluid in accurately measured quantities, Distributing. L. I. Yeomans. 2,364,264; Dec. 5.

Fluid operated means for controlling apparatus at a distance. E. Dodson. 2,364,352; Dec. 5.
Fluid pressure machine. J. J. Järnåker. 2,364,368; Dec. 5.
Follower for file drawers. F. C. Drebes. 2,364,278; Dec. 5.
Food and product, Preserving. D. Bensel. 2,364,049; Dec. 5.
Football. J. W. Shearer. 2,364,247; Dec. 5.
Forming siftproof bag closures. R. T. Moore. 2,364,543; Dec. 5.
Friction clutch. H. Nutt and R. L. Smirl. 2,364,310; Dec. 5.
Fuel compositions. J. C. Zimmer and J. I. Wasson. 2,364,502; Dec. 5.
Furnace: *See*—
Steam generator furnace.
Game. H. W. Harris. 2,364,141; Dec. 5.
Gauge connection, Strain. S. R. Jordan. 2,364,076; Dec. 5.
Gauging instrument. E. F. Ahlstrom. 2,364,182; Dec. 5.
Gauging machine. R. F. Belveal. 2,364,185; Dec. 5.
Gauging machine. E. H. Birdsall. 2,364,187; Dec. 5.
Gauging machine. J. L. Yablonsky. 2,364,263; Dec. 5.
Gear: *See*—
Differential gear.
Gearing. G. W. Mattson. 2,364,156; Dec. 5.
Generative grinding machine with rolling work or tool carrier. E. W. Miller. 2,364,542; Dec. 5.
Glider, Weighted. N. E. Walker. 2,364,498; Dec. 5.
Goggle. R. Malcom. 2,364,584; Dec. 5.
Golf club carrier. M. Keim. 2,364,223; Dec. 5.
Granular support. A. V. Sims. 2,364,395; Dec. 5.
Grappling hook. R. R. Royal, F. F. Hayes, R. E. Berggren, and J. B. Temple. 2,364,316; Dec. 5.
Grinding machine. M. N. Berezny. 2,364,506; Dec. 5.
Guard, Machine. T. A. Columbe. 2,364,193; Dec. 5.
Gum massaging and tooth polishing appliance. L. L. Fuller. 2,364,205; Dec. 5.
Gun ammunition magazine. E. M. Bertran and R. N. Lesnick. 2,364,510; Dec. 5.
Gun, Clay. W. R. Brown and N. A. Graveson. 2,364,513; Dec. 5.
Gun turret. A. Corte. 2,364,425; Dec. 5.
Hand, Artificial. B. G. Pecorella. 2,364,313; Dec. 5.
Handle. J. E. Socke. 2,364,105; Dec. 5.
Handle for containers, Folding. S. T. Howard. 2,364,073; Dec. 5.
Heat exchange apparatus. G. E. Clancy. 2,364,130; Dec. 5.
Heating system. H. J. McCollum. 2,364,457–8; Dec. 5.
Helicopter. H. H. Platt. 2,364,096; Dec. 5.
Helmet, Boxer's. A. J. Turner. 2,364,571; Dec. 5.
Heterocyclic compounds. Nitrogen. J. B. Dickey, W. H. Strain, and R. A. Corbitt. 2,364,347; Dec. 5.
High frequency induction system. C. W. Hansell. 2,364,526; Dec. 5.
High-speed traversing means. J. H. Thomas and E. Fletcher. 2,364,569; Dec. 5.
Hinge, Concealed. O. C. Gessler. 2,364,437; Dec. 5.
Hog cholera vaccine. R. W. G. Wyckoff. 2,364,579; Dec. 5.
Hoist and scaffolding, Combined. H. R. Olsen. 2,364,547; Dec. 5.
Hoist, Suspended. H. F. Parker. 2,364,471; Dec. 5.
Hoisting means. A. Keller. 2,364,224; Dec. 5.
Hoisting sling. H. Sonntag. 2,364,170; Dec. 5.
Holder: *See*—
Nursing bottle holder.
Welding electrode holder.
Holder for metal wool. A. Schimel. 2,364,319; Dec. 5.
Holder for welding electrodes. J. Forman and A. D. Clyburn. 2,364,063; Dec. 5.
Hook: *See*—
Grappling hook.
Self-setting retractor hook.
Hose pipe. B. Wilkinson. 2,364,332; Dec. 5.
Hydraulic apparatus. C. I. MacNeil. 2,364,301; Dec. 5.
Hydrocarbon conversion. E. Solomon, H. J. Passino, and L. C. Rubin. 2,364,106; Dec. 5.
Hydrocarbon distillates. Processing. E. T. Layng and V. Voorhees. 2,364,453; Dec. 5.
Hydroturbine pump. I. C. Jennings. 2,364,370; Dec. 5.
Hygienic cleaner. C. A. M. Triadou. 2,364,491; Dec. 5.
Ice-producing mechanism. R. M. Storer. 2,364,559; Dec. 5.
Impeller pump. W. A. Shallenberg. 2,364,168; Dec. 5.
Impulse counter motor. H. W. Bousman. 2,364,421; Dec. 5.
Incinerator. F. A. Furlong. 2,364,286; Dec. 5.
Indenyl isophorone. H. A. Bruson. 2,364,056; Dec. 5.
Indicator: *See*—
Aircraft flight indicator.
Insulating compound. R. Connell and S. I. Wilson. 2,364,344; Dec. 5.
Insulation for magnetic steel and the like. W. R. Frisch and C. W. Crew. 2,364,436; Dec. 5.
Internal-combustion engine. D. M. Weigel. 2,364,330; Dec. 5.
Joint: *See*—
Seal joint.
Keratitic medicament. J. B. Stribling. 2,364,563; Dec. 5.
Knife, Eel. J. T. Stokes. 2,364,250; Dec. 5.
Knife, Multiple. M. E. Becker. 2,364,339; Dec. 5.
Knitting method and machine. H. E. Houseman. 2,364,217; Dec. 5.
Knockdown easy chair. F. Kramer. 2,364,452; Dec. 5.
Kraft pulp, Manufacture of bleached. S. D. Wells. 2,364,177; Dec. 5.
Ladder, Hay and shock. R. Niewendorp. 2,364,308; Dec. 5.
Ladder supporting means. C. L. Fairfax. 2,364,521; Dec. 5.
Lamp: *See*—
Signal lamp.
Lasting machine. P. E. Burby. 2,364,057; Dec. 5.
Leaf separator. C. B. Wooten. 2,364,335; Dec. 5.
Lever, Valve actuating. H. E. Pleasant and F. M. Keller. 2,364,314; Dec. 5.
Lifting, turning, and seating device for plug valves. T. F. Sykes, Jr. 2,364,567; Dec. 5.
Light fitting, Shockproof. C. J. Cortner. 2,364,194; Dec. 5.
Liquid distribution. R. E. Burk and M. J. Hartig. 2,364,058; Dec. 5.
Liquid-solid suspensions, Fractional removal of liquid from. C. A. Jahreis. 2,364,366; Dec. 5.
Loader, Grain. J. N. Fees. 2,364,282; Dec. 5.
Lock and shutter tensioning mechanism for cameras, Film feed. A. Nagel. 2,364,466; Dec. 5.
Loom: *See*—
Composite loom.
Louver element, Ventilator. C. Levinsen. 2,364,378; Dec. 5.
Lubricants. P. R. McCarthy and H. A. Ambrose. 2,364,151; Dec. 5.
Machine for gathering, transporting, and stacking materials. B. F. Owen. 2,364,470; Dec. 5.
Machine for making blueprints and the like. H. J. Brunk. 2,364,514; Dec. 5.
Machine for producing pipes. J. Ferla. 2,364,061; Dec. 5.
Machine pick sharpener. V. F. Neal. 2,364,160; Dec. 5.
Magnesium production and furnace equipment therefor. W. A. Darrah. 2,364,195; Dec. 5.
Magneto. K. A. Harmon. 2,364,140; Dec. 5.
Manufacture. B. Van Every. 2,364,112; Dec. 5.
Map making from aerial photographs. J. G. Lewis. 2,364,082; Dec. 5.
Measuring and control apparatus. E. A. Keeler. 2,364,450; Dec. 5.
Measuring apparatus. F. W. Side. 2,364,483; Dec. 5.
Measuring instrument. V. Capon. 2,364,127; Dec. 5.
Measuring system and circuit. M. S. Burgess. 2,364,190; Dec. 5.
Mechanical movement. E. G. Dougherty. 2,364,429; Dec. 5.
Mechanism for grinding. M. H. Arms. 2,364,120; Dec. 5.
Mechanism for the conversion of motion according to one law into motion according to another law. J. M. Strang and I. C. M. Bell. 2,364,174; Dec. 5.
Metallic soaps, Treatment of fabrics with. H. Schiller. 2,364,391; Dec. 5.
Milk cooler. R. Markley, Jr. 2,364,154; Dec. 5.
Mill: *See*—
Rolling mill.
Milling. A. G. Schurman. 2,364,101; Dec. 5.
Mineral concentration. L. J. Christmann, D. W. Jayne, Jr., and S. E. Erickson. 2,364,272; Dec. 5.
Mirror, Rear view. L. F. Sarnes. 2,364,165; Dec. 5.
Motor: *See*—
Air motor.
Impulse counter motor.
Motor driven vehicle. B. A. Swennes. 2,364,327; Dec. 5.
Mount: *See*—
Airplane wing gun mount.
Mounting for cinematograph cameras. S. Howell. 2,364,363; Dec. 5.
N,N'-diarylamidines. J. T. Thurston and D. E. Nagy. 2,364,593; Dec. 5.
Navigation trainer, Celestial. E. A. Link. 2,364,539; Dec. 5.
Nibbling machine. H. C. Wold. 2,364,334; Dec. 5.
Nitriles, Production of. B. T. Brooks. 2,364,422; Dec. 5.
Nitrogen derivatives, Aminoalkylation of. A. L. Wilson. 2,364,178; Dec. 5.
Nose protector. E. D. Felch. 2,364,354; Dec. 5.
Nursing bottle holder. H. J. Kerth. 2,364,537; Dec. 5.
Nut and bolt, Threadless. H. P. Haggerty. 2,364,288; Dec. 5.
Oil additive. A. L. Bayes. 2,364,122; Dec. 5.
Oil burner. W. H. De Lancey. 2,364,132; Dec. 5.
Oil filter. A. T. Parry. 2,364,240; Dec. 5.
Oil, Modified lubricating. H. C. Freuler. 2,364,283–4; Dec. 5.
Oil tank for airplane engines. P. A. Anderson. 2,364,119; Dec. 5.
One-way clutch. A. Y. Dodge. 2,364,280; Dec. 5.
Opener, Can. C. W. Johnson. 2,364,219; Dec. 5.
Optical system, Sound projection. F. O. Calvin, W. G. Wilson, and T. R. Smith. 2,364,268; Dec. 5.
Ores, Concentration of sylvinite. A. T. Cole and W. M. Houston. 2,364,520; Dec. 5.

Oven, Drying. O. O. Kruse. 2,364,080; Dec. 5.
Package. O. H. Hultin. 2,364,364; Dec. 5.
Packing, G. W. Neesen. 2,364,383; Dec. 5.
Paper bag machine. F. P. Ramsey. 2,364,551; Dec. 5.
Paper guide. A. W. Metzner. 2,364,087; Dec. 5.
Paper, Making coated. E. G. Bennett. 2,364,505; Dec. 5.
Papermaking material, Method and apparatus for separating foreign matter from. E. J. Trimbey and G. K. Walker. 2,364,405; Dec. 5.
Pellicles, Process and apparatus for producing. F. H. Reichel. 2,364,552; Dec. 5.
Phonograph record. J. W. Nell. 2,364,545; Dec. 5.
Photographic copying apparatus. R. S. Hopkins. 2,364,362; Dec. 5.
Photographic developer. J. B. Dickey and J. G. McNally. 2,364,350; Dec. 5.
Photographic document, Treating. A. C. Bandranas. 2,364,337; Dec. 5.
Photographic materials, Color. E. B. Knott. 2,364,374; Dec. 5.
Pickup device, Aerial. R. O. Anderson. 2,364,042; Dec. 5.
Piezoelectric crystal apparatus. J. M. Wolfskill. 2,364,501; Dec. 5.
Pine tars, Treating crude. W. C. Smith. 2,364,104; Dec. 5.
Pipe: *See*—
Tobacco pipe.
Pistol. H. E. Mills. 2,364,232; Dec. 5.
Plant growth, Regulation of. G. S. Avery, Jr. 2,364,054; Dec. 5.
Plastic articles, Molding decorated. F. G. Purinton and W. A. Zwiebel. 2,364,388; Dec. 5.
Plasticized rubber compositions and plasticizing rubber. R. L. Sibley. 2,364,394; Dec. 5.
Plate, Sine. R. Niemi. 2,364,546; Dec. 5.
Platform, Crane. B. Ulinski. 2,364,493; Dec. 5.
Plotting machine. R. M. MacLeod. 2,364,153; Dec. 5.
Plow. E. P. Janke. 2,364,367; Dec. 5.
Plug: *See*—
Silent screwless valve plug.
Polyamides, Heat-oxygen treated. C. S. Fuller. 2,364,204; Dec. 5.
Polymer, Production of. W. R. Peterson. 2,364,387; Dec. 5.
Polymeric vinyl materials with an improved resistance to water, Production of. J. R. Lewis, L. B. Morgan, and J. T. Watts. 2,364,227; Dec. 5.
Polythenes, Halogenated. D. Whittaker. 2,364,410; Dec. 5.
Post, Fence. E. C. Barnes. 2,364,419; Dec. 5.
Power operated machine tool. R. R. Roemer. 2,364,475; Dec. 5.
Power operated window regulator. E. L. Ackerman and A. V. Crump. 2,364,181; Dec. 5.
Power plant, Marine waves. H. Kapolkin. 2,364,535; Dec. 5.
Prefabricated structure for containers and the like. H. B. Lindsay. 2,364,083; Dec. 5.
Preparation of acetals. D. J. Loder, W. F. Gresham, and D. B. Killian. 2,364,455; Dec. 5.
Preparation of β-alanine. P. M. Kirk and J. H. Paden. 2,364,538; Dec. 5.
Press: *See*—
Extruding press.
Pressure joint for tubes. D. P. Hynes. 2,364,447; Dec. 5.
Printer. J. B. Dey and L. Hayden. 2,364,277; Dec. 5.
Printing compositions and printing therewith. R. H. Kienle, C. A. Amick, and C. C. Kerns. 2,364,359; Dec. 5.
Process of and equipment for building concrete ships. H. D. A. Ganteaume. 2,364,522; Dec. 5.
Propelling and steering means for vessels, Combined. J. T. Troth. 2,364,255; Dec. 5.
Protector: *See*—
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Pulp screen. S. A. Staege. 2,364,171; Dec. 5.
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Double-acting pump.
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Reversible hydraulic pump.
Pump and the like. J. W. Tucker. 2,364,111; Dec. 5.
Pumping device. J. J. Pelouch. 2,364,550; Dec. 5.
Punch and dies and retainer for same, Interchangeable. D. V. Stellin. 2,364,401; Dec. 5.
Punching and fixing device for saw blades in saw frames, Combined. B. J. Brunzell. 2,364,423; Dec. 5.
Punching machine, Automatic. I. Ghertman. 2,364,207; Dec. 5.
Quinazoline azo compounds. J. B. Dickey. 2,364,351; Dec. 5.
Radio receiver, Battery. M. G. Nicholson, Jr. 2,364,238; Dec. 5.
Rail wheel. I. V. Troutman. 2,364,110; Dec. 5.
Railway car. P. Parke, R. Cunningham, and L. A. Lutherman. 2,364,094; Dec. 5.
Railway sleeping car. J. K. Tully and B. E. Jones. 2,364,595; Dec. 5.
Rattle. A. Zadek. 2,364,581; Dec. 5.
Razor blade. J. A. Guimond. 2,364,525; Dec. 5.
Razor blade, Safety. J. Muros. 2,364,236; Dec. 5.
Razor, Safety. N. Testi. 2,364,251; Dec. 5.

Reaction products, Rubber-amine. F. C. Bersworth. 2,364,186; Dec. 5.
Reamer, Expanding. S. Welsby and C. Burton. 2,364,259; Dec. 5.
Receptacle closure. A. Cantor and H. A. Shelanski. 2,364,126; Dec. 5.
Reciprocating and rotary motion, Mechanism for the interconversion of. Z. D. Ruben. 2,364,099; Dec. 5.
Recoil mechanism. C. Simpson. 2,364,103; Dec. 5.
Record controlled machine. E. A. Ford. 2,364,202; Dec. 5.
Recording apparatus. O. Whittel. 2,364,412; Dec. 5.
Recording apparatus, Photographic. J. W. Bryce. 2,364,188; Dec. 5.
Rectifying arrangement. C. P. Stocker. 2,364,558; Dec. 5.
Reducer, Frequency. H. M. Huge. 2,364,531; Dec. 5.
Reeling device, Line. D. M. Bardon. 2,364,047; Dec. 5.
Refractories, Making self-insulated. R. A. Schaefer. 2,364,317; Dec. 5.
Refrigerating apparatus. R. E. Gould. 2,364,287; Dec. 5.
Refrigeration process, Control of. W. L. McGrath. 2,364,459; Dec. 5.
Regulator: *See*—
Power operated window regulator.
Resins from coal, Recovering. A. Nagelvoort. 2,364,091; Dec. 5.
Resins, Purifying. A. Nagelvoort. 2,364,090; Dec. 5.
Resins, Synthetic phenolic. W. Charlton, J. B. Harrison, and R. B. Waters. 2,364,192; Dec. 5.
Retainer, Ball stud. L. Waldron. 2,364,176; Dec. 5.
Reversible hydraulic pump. D. J. Orr. 2,364,469; Dec. 5.
Rifle stock, receiver, and trigger guard assembly. J. D. Pedersen. 2,364,549; Dec. 5.
Riveting or staking machine. H. Bloss. 2,364,420; Dec. 5.
Roll actuating mechanism. L. Hornbostel. 2,364,443; Dec. 5.
Rolling mill. E. T. Peterson. 2,364,386; Dec. 5.
Rotary cultivator. M. S. Ariens. 2,364,043; Dec. 5.
Rubber, Curing. H. A. Scott. 2,364,167; Dec. 5.
Rubber derivatives products. J. A. Mitchell. 2,364,158; Dec. 5.
Rubber halide plastics. J. W. Raynolds and M. R. Radcliffe. 2,364,589; Dec. 5.
Rubber, Preservation of. D. J. Beaver. 2,364,338; Dec. 5.
Rubber, Vulcanization of. F. C. Bersworth and M. Omansky. 2,364,052; Dec. 5.
Rubberlike products and preparation thereof. A. J. Morway. 2,364,382; Dec. 5.
Rubber-unsaturated carbonyl compound reaction products, Cyclized. J. A. Mitchell. 2,364,089; Dec. 5.
Safety control for arc welding, Automatic. R. S. Kenrick. 2,364,372; Dec. 5.
Safety device. G. B. Thieme. 2,364,252; Dec. 5.
Sailboat. L. A. Wilkie. 2,364,578; Dec. 5.
Sampler, Bottom hole. T. V. Moore. 2,364,464; Dec. 5.
Scoop attachment for tractors, Power pickup. B. F. Arps. 2,364,121; Dec. 5.
Screen: *See*—
Diffusing screen.
Pulp screen.
Screen material. H. W. Thomas. 2,364,404; Dec. 5.
Screw machine, Automatic. F. G. Silva and W. S. Seymour. 2,364,169; Dec. 5.
Seal joint. J. J. de la Roza, Sr. 2,364,133; Dec. 5.
Seat support. W. J. Kiefer. 2,364,225; Dec. 5.
Seismic prospecting. W. G. Green. 2,364,209; Dec. 5.
Self-setting retractor hook. H. E. Hobson. 2,364,215; Dec. 5.
Separator: *See*—
Leaf separator.
Septic tank. W. M. Platt. 2,364,472; Dec. 5.
Serial numbering device. B. Cooper. 2,364,345; Dec. 5.
Sewage treatment. E. A. Kamp. 2,364,298; Dec. 5.
Sewing machine. B. Bryson. 2,364,515; Dec. 5.
Shaping machine, Gear. G. G. Frederichs. 2,364,065; Dec. 5.
Sharpener, Pencil. R. de Maiditch. 2,364,198; Dec. 5.
Shaving tool. M. J. Schlitters. 2,364,320; Dec. 5.
Sheet metal clamp. F. C. Wallace. 2,364,408; Dec. 5.
Shield for gun firing mechanism. W. A. Bogg, Jr. 2,364,340; Dec. 5.
Shield, Trash. W. A. Hyland. 2,364,296; Dec. 5.
Shoe and making the same. S. L. Kleven. 2,364,373; Dec. 5.
Shoe sole. J. N. Dow and A. T. Dildilian. 2,364,134; Dec. 5.
Shuttle, Tatting. L. A. Silliman. 2,364,484; Dec. 5.
Side rolling mechanism for automobiles. G. Rische. 2,364,553; Dec. 5.
Siftproof package and side seam therefor. H. F. Waters. 2,364,576; Dec. 5.
Sight. P. F. Berry. 2,364,055; Dec. 5.
Sight for firearms, Rear. V. W. Grant. 2,364,067; Dec. 5.
Sight for guns. C. D. Macgill. 2,364,152; Dec. 5.
Signal control unit, Vehicle. E. C. Horton and A. Rappl. 2,364,143; Dec. 5.
Signal lamp. J. H. Diedring. 2,364,428; Dec. 5.
Signal lamp. R. N. Falge. 2,364,431; Dec. 5.
Signal lamp. G. W. Onksen, Jr., and C. C. Duell. 2,364,468; Dec. 5.
Signaling system. W. B. Halstead. 2,364,357; Dec. 5.

Signals, Method and apparatus for scrambling. G. Guanella. 2,364,210; Dec. 5.
Silent screwless valve plug. B. Svirsky. 2,364,107; Dec. 5.
Sintering machine. M. F. Morgan. 2,364,586; Dec. 5.
Size, Starch. H. H. Schopmeyer and H. A. Kaufmann. 2,364,590; Dec. 5.
Slider for slide fasteners and making the same. A. Savitzky. 2,364,100; Dec. 5.
Snap coupling particularly for multiple magnetos. W. Ochsenbein. 2,364,385; Dec. 5.
Snow melting device. E. S. Powell. 2,364,315; Dec. 5.
Soap package and making the same. F. J. Warren. 2,364,575; Dec. 5.
Solder for aluminum workpieces. F. Strasser. 2,364,402; Dec. 5.
Solvent-extracting gasolines. R. E. Burk. 2,364,517; Dec. 5.
Solvent, Paraffin. W. H. Ellinger. 2,364,281; Dec. 5.
Sound optics for cineprojectors, Adjustable. A. F. Victor. 2,364,495; Dec. 5.
Speed transmission, Gearless variable. F. W. Seeck. 2,364,393; Dec. 5.
Speed transmission, Variable. E. G. Staude and A. M. Walstrom. 2,364,323; Dec. 5.
Speed transmission, Variable. E. G. Staude and A. M. Walstrom. 2,364,325; Dec. 5.
Spray device. E. F. Delfoe and J. M. Williams. 2,364,059; Dec. 5.
Spring construction. N. Wolofski. 2,364,499–500; Dec. 5.
Spring wheel. E. Stift. 2,364,173; Dec. 5.
Stabilization of halobutenes. R. C. Morris and E. C. Shokal. 2,364,587–8; Dec. 5.
Stapling mechanism for rotary printing machines. A. M. Zuckerman. 2,364,504; Dec. 5.
Steam generator furnace. J. P. Badenhausen. 2,364,044; Dec. 5.
Steering and propulsion mechanism, Remote control. L. Morey. 2,364,233; Dec. 5.
Stepladder. I. S. Barkey. 2,364,048; Dec. 5.
Stool. J. D. Buckstaff. 2,364,516; Dec. 5.
Stool. J. A. Campbell. 2,364,191; Dec. 5.
Stop device for lathes. J. O. Pedersen. 2,364,241; Dec. 5.
Stove, Cooking. E. L. Baker. 2,364,336; Dec. 5.
Straight line capping machine. H. E. Gantzer. 2,364,523; Dec. 5.
Stretching machine for flattening metal strip. N. C. Lake. 2,364,376; Dec. 5.
Sulphur compounds. M. H. M. Arnold and W. E. Perry. 2,364,414; Dec. 5.
Sulphur from petroleum distillate, Removing mercaptan. J. G. Schaafsma. 2,364,390; Dec. 5.
Sulphuric acid by the contact process, Manufacture of. C. V. Herrmann. 2,364,213; Dec. 5.
Support: *See*—
Drapery support. Seat support.
Granular support. Work support.
Support for brake beams, Safety. L. W. Kass. 2,364,221; Dec. 5.
Surface-active agents. J. B. Dickey. 2,364,348; Dec. 5.
Switching arrangement for electrically heated devices, Safety. F. E. Finlayson. 2,364,433; Dec. 5.
Synchronizing transmission. S. O. White. 2,364,331; Dec. 5.
Tachometer, Generator-voltmeter. P. V. Kolff. 2,364,256; Dec. 5.
Tag for animals, Ear. H. Monroe. 2,364,463; Dec. 5.
Take-up device, Cord or cable. H. H. Wehringer. 2,364,262; Dec. 5.
Tank: *See*—
Septic tank. Water measuring tank.
Tape, Button and buttonhole. N. I. Fleischer. 2,364,062; Dec. 5.
Tape dispenser. T. W. Berridge. 2,364,051; Dec. 5.
Telegraph system. W. M. Bacon. 2,364,417; Dec. 5.
Telegraphone. R. M. Somers. 2,364,536; Dec. 5.
Telephone system. F. A. Hubbard. 2,364,445; Dec. 5.
Telephone system, Automatic. A. E. Joel, Jr. 2,364,146; Dec. 5.
Temperature regulated electronic apparatus. G. L. Graveson and C. R. Keith. 2,364,136; Dec. 5.
Terminal. E. G. J. Pederquist. 2,364,095; Dec. 5.
Terminator. W. O. Hampton. 2,364,071; Dec. 5.
Testing device, Bearing. P. W. McCormack. 2,364,229; Dec. 5.
Textile apparatus. A. Mellor and R. J. Mann. 2,364,157; Dec. 5.
Thread, Sewing. D. Finlayson. 2,364,135; Dec. 5.
Threads, Rolling. J. H. Hoern. 2,364,442; Dec. 5.
Thiophenols from hydrophobic liquid mixtures. Separation of. G. W. Ayers, Jr., and M. S. Agruss. 2,364,416; Dec. 5.
Time system. R. L. Lorenz. 2,364,228; Dec. 5.
Timing device. P. A. Coffman, Jr. 2,364,519; Dec. 5.
Timing mechanism. F. A. Hubbard. 2,364,444; Dec. 5.
Tire spreader. W. G. Prentice. 2,364,242; Dec. 5.
Toaster. C. R. Turner. 2,364,175; Dec. 5.
Tobacco dispenser. J. A. Stephens. 2,364,326; Dec. 5.
Tobacco pipe. C. J. Burch. 2,364,424; Dec. 5.
Toilet article. G. H. Hutaff, Jr. 2,364,294; Dec. 5.
Toilet device and producing said device. A. Martinek. 2,364,085; Dec. 5.
Tool: *See*—
Cable insulation slitting tool. Cutting tool.
Chamfering tool. Power operated machine tool.
Combination machine tool. Shaving tool.
Tooth and clip assembly, Spring. F. R. Martin. 2,364,303; Dec. 5.
Topper, Beet. E. J. Patterson. 2,364,312; Dec. 5.
Torch. L. E. Hyde. 2,364,295; Dec. 5.
Toy airplane. J. D. Davidson. 2,364,427; Dec. 5.
Toy, Gyroscopic. V. F. Wigal. 2,364,117; Dec. 5.
Toy, Treadmill. F. E. Thomas. 2,364,253; Dec. 5.
Tractor, Artillery. Z. Hollós. 2,364,361; Dec. 5.
Trailer, Transport. V. J. Hultquist. 2,364,365; Dec. 5.
Trainer, Aerial gunnery. J. E. Haile, Jr. 2,364,070; Dec. 5.
Transformer, Intermediate frequency. R. L. Harvey. 2,364,291; Dec. 5.
Tray, Cigarette. J. M. Kisselle and C. E. McCormick. 2,364,078; Dec. 5.
Treating fluid. C. V. Swearingen. 2,364,488; Dec. 5.
Treating fluids, Method and apparatus for electrically. H. Wolfe. 2,364,118; Dec. 5.
Truck. M. H. Martin. 2,364,462; Dec. 5.
Tuned filter circuit. M. R. Winkler. 2,364,260; Dec. 5.
Turbotransmission. J. Jankasek. 2,364,448; Dec. 5.
Turnover device. W. G. Carter. 2,364,270; Dec. 5.
2-mercapto-thiazoline, Production of. H. B. Stevenson. 2,364,398; Dec. 5.
2-mercapto-thiazoline, Production of. I. Williams, B. M. Sturgis, and J. J. Verbanc. 2,364,399; Dec. 5.
Underwater construction. G. H. Tumolillo. 2,364,570; Dec. 5.
Unwinding machine. H. P. Ruf. 2,364,476; Dec. 5.
V-block, Universal. L. A. Lowenstein. 2,364,150; Dec. 5.
Vacuum cleaner bag. P. T. Hahn. 2,364,069; Dec. 5.
Vector calculating machine. A. H. Kent. 2,364,149; Dec. 5.
Vehicle: *See*—
Motor driven vehicle.
Ventilator for portholes and like openings. W. W. Carver. 2,364,271; Dec. 5.
Voting machine. G. D. Rathbun. 2,364,097; Dec. 5.
Watch. A. J. Hasselman and E. H. Belser. 2,364,440; Dec. 5.
Water measuring tank. O. Sheck. 2,364,321; Dec. 5.
Wax deposition, Control of. D. S. Kaufman. 2,364,222; Dec. 5.
Web-tension equipment. H. Fankboner. 2,364,201; Dec. 5.
Welding electrode holder. A. A. Bernard. 2,364,508; Dec. 5.
Wheel: *See*—
Rail wheel. Spring wheel.
Wheel assembly, Dual. C. S. Ash. 2,364,183; Dec. 5.
Windmill power transmission. I. Grumbles. 2,364,139; Dec. 5.
Work support. A. J. Schreiber. 2,364,478; Dec. 5.
Wrapping for packages, Preformed. B. Y. James. 2,364,297; Dec. 5.
Yarn production. F. G. Kraft. 2,364,375; Dec. 5.
Yarn production. I. F. Walker. 2,364,407; Dec. 5.

CLASSIFICATION OF PATENTS

ISSUED DECEMBER 5, 1944

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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Disclaimers

2,286,518.—*Elmer H. Taylor*, Newburyport, Mass. FUSIBLE PROTECTIVE DEVICE. Patent dated June 16, 1942. Disclaimer filed November 16, 1944, by the assignee, *The Chase-Shawmut Company*.

Hereby enters this disclaimer to claims 1, 2, 3, and 5 of said specification.

2,313,281.—*Elmer H. Taylor*, Newburyport, Mass. THERMAL CIRCUIT INTERRUPTER. Patent dated March 9, 1943. Disclaimer filed November 15, 1944, by the assignee, *The Chase-Shawmut Company*.

Hereby enters this disclaimer to claims 10, 11, 13, and 14 of said specification.

Adverse Decisions in Interference

Where the claims of a patent are affected by adverse decision or concession of priority as the result of an interference, a notice as to the patented claims thus affected will be published in the OFFICIAL GAZETTE after final decision in the proceedings.

NOTICE

Attorneys and agents filing amendments and other papers in connection with pending applications are urged to indicate thereon the division to which the application has been assigned for examination. This will frequently eliminate the necessity of correspondence between the Richmond Office and the Washington Office, and thereby avoid delay.

LESLIE FRAZER,
First Assistant Commissioner.

Recording Corporate Names

Corporations wishing to prevent others registering their names as trade-marks under the act of 1905 may record their articles of incorporation in the Patent Office. The charge for such recording is $3 for each paper not exceeding 6 pages, and $1 for each additional 2 pages or less.

Cross-References in Cases Relating to Same Subject

RULE 43. When an applicant files two or more applications relating to the same subject matter of invention, all showing but only one claiming the same thing, the applications not claiming it must contain references to the application claiming it.

Reservation Clauses Not Permitted

RULE 44. A reservation for a future application of subject-matter disclosed but not claimed in a pending application will not be permitted in the pending application.

Condition of Applications Under Examination at Close of Business November 25, 1944

(Total number of applications awaiting action, excluding Trade-Mark Division, 53,105; Trade-Mark Division, 2,013. Oldest new case, Dec. 2, 1943; oldest amended, Dec. 21, 1943.)
(The dates given are 1944 except where† indicates 1943)

Divisions, Examiners, and Subjects of Inventions	Oldest new application awaiting office action	Oldest amended application awaiting office action	No. of applications awaiting action
1. Tucker, M. W., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	May 8	June 17	606
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	Mar. 1	Mar. 15	767
3. WOLFFE, S., Metal Founding; Metallurgy; Metal Treatment; Compositions (part)	Apr. 15	Apr. 12	1179
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Pneumatic Dispatch; Store Service; Mining, Quarrying and Ice Harvesting.	July 12	July 7	526
5. ROBINSON, C. W., Glass; Harvesters, Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps.	Jan. 15	Jan. 12	1398
6. GENIESSE, E. W., Carbon Chemistry (part)	Apr. 1	June 12	1164
7. JARBOE, C. G., Optics, Photography	July 17	July 27	777
8. IMUS, A. E., Furniture; Kitchen and Table Articles; Locks and Cabinets	June 28	June 30	711
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	May 5	May 2	874
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	July 21	July 18	353
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Clutches and Power Stop Control	Jan. 28	Jan. 18	1163
13. BEALL, T. E., Gear Cutting, Milling, Planing; Metal Working (part); Needle and Pin Making; Turning	July 6	May 19	532
14. HANLIN, GEORGE, Metal Working (part); Farriery; Wire Fabrics	May 29	May 25	775
15. HENKIN, BENJ., Natural Resins, Rubber (part); Proteins, Carbohydrates and Derivatives; Plastics	June 22	May 25	700
16. SPENCER, C. J., Telegraphy; Telephony	May 10	May 6	544
17. HABECKER, LEON B., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Feb. 11	Feb. 8	569
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	Jan. 5	Jan. 6	922
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	Apr. 26	Mar. 16	671
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part); Bank Protection; Safes.	Apr. 17	July 6	576
21. THOMPSON, T. J., Textiles	May 9	May 29	459
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance	Apr. 17	Apr. 17	1238
23. BARROWS, B., Cash Registers; Calculators (part)	Feb. 29	Feb. 28	152
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines	Aug. 9	Aug. 2	476
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	Apr. 22	Apr. 26	779
26. YOUNG, R. R., Electricity—Generation and Motive Power	Feb. 1	Mar. 6	921
27. CLARK, W. N., Brush, Broom, and Mop Making; Brushing, Scrubbing and General Cleaning; Cleaning and Liquid Contact with Solids; Textiles, Fluid Treating Apparatus; Ironing; Washing Apparatus.	May 23	Feb. 29	638
28. SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders, Pistons.	Mar. 9	Mar. 9	845
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Package and Article Carriers; Woodworking; Tools; Metalworking, Assembling.	May 4	Apr. 28	961
30. McCANN, LEO P., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	Mar. 4	Mar. 11	1036
31. DUNCOMBE, C. S., Hydrocarbons; Mineral Oils	June 22	June 23	981
32. LESH, K., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	July 1	June 9	754
33. HULL, J. S., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements; Plastic Block and Earthenware Apparatus.	July 31	July 12	690
34. SAPERSTEIN, S., Electricity—Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators	May 29	May 18	477
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	May 13	May 6	715
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	Apr. 8	Apr. 10	560
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Mar. 17	Mar. 14	845
38. KRAFFT, C. F., Coating Processes; Coating or Plastic Compositions (part); Rubber (part)	Apr. 24	Apr. 8	696
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	May 3	May 10	819
40. DRUMMOND, E. J., Receptacles (part); Packages	June 13	June 22	850
41. HERTZ, M., Coin Handling; Recorders; Deposit Receptacles Counters and Calculators (part); Typewriting Machines; Check-Controlled Apparatus.	Mar. 21	Feb. 11	397
42. MARANS, H., Electric Signaling; Electricity, Galvanometers and Meters	May 27	May 23	604
43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	Apr. 24	Apr. 24	748
44. HARVEY, L. P., Refrigeration; Preserving	Jan. 21	Jan. 6	516
45. HILL, H. D., Shafting and Flexible Shaft Couplings; Wheels, Tires, Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part); Spring, Weight and Horsepower Motors.	Mar. 8	May 4	1216
46. BLEECKER, V. E., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Coating Apparatus.	Feb. 5	Feb. 5	588
47. KANOF, WM. J., Brakes; Boring and Drilling; Motor Vehicles; Land Vehicles (part)	June 10	June 7	867
48. ROEPKE, O. B., Electricity, General Applications; Electric Igniters	Apr. 17	Apr. 19	876
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	May 17	May 12	596
50. LEVIN, SAMUEL, Synthetic Resins	Apr. 20	Apr. 20	1435
51. CROCKER, A. W., Radiant Energy, Multiplex Telephony, Modulators	Apr. 7	Apr. 8	1501
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits; Ornamentation.	Apr. 10	Apr. 24	1147
53. PECK, M. K., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	May 18	Apr. 22	700
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	†Dec. 2	†Dec. 21	1022
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Laminated Fabrics (part)	Apr. 20	Apr. 20	556
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making	Apr. 3	Apr. 5	896
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	Jan. 20	Mar. 30	852
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements	June 5	May 5	677
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds	Mar. 13	Mar. 10	1497
60. GLASS, R. L., Electricity-Heating; Welding; Furnaces; Batteries and Their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	Feb. 3	Feb. 3	977
61. YUNG KWAI, B., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Boats, Buoys and Ships.	May 13	June 22	748
62. PUGH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors	Apr. 21	Apr. 21	1257
63. WINKELSTEIN, A. H., Poisons; Fermentation; Foods and Beverages; Oils and Fats	Apr. 3	Apr. 12	1014
64. NASH, P. M., Acetylene; Gas Mixers; Compositions (part); Fuel	July 11	July 7	822
65. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays (e. g., Amplifiers).	Feb. 25	Feb. 26	1064
Trade-Marks: RICHMOND, F. A	Sept. 9	Sept. 22	2013
Designs: KALUPY, H. H	Sept. 30	Nov. 1	833

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

CROWN FABRICS CORPORATION
v.
AMERICAN VISCOSE CORPORATION

Nos. 4,876 to 4,879. Decided October 2, 1944

[— F.(2d) —; 63 U. S. P. Q. 149]

1. TRADE-MARKS—CONFUSING SIMILARITY—OPINION TESTIMONY.

"Several of appellee's witnesses stated that, in their opinion, there would be no confusion between appellant's trade-marks and those of appellee if used concurrently on the goods of the respective parties. Such opinions, although entitled to be given consideration for what they are worth, are not binding on the tribunals of the Patent Office or on this court."

2. SAME—SAME.

The four trade-marks, "Crownfast," "Crownperm," "Crownshrunk," and a pictorial representation of a crown, each sought to be registered by appellant for use on "cotton, spun rayon and spun acetate fabrics, and mixtures thereof, in the piece" *Held* confusingly similar to a registered trade-mark owned by appellee, consisting of the word "Crown" and a pictorial representation of a crown, for use on rayon yarn.

3. SAME—RIGHT TO REGISTRATION.

In a situation where appellee permitted appellant, as a purchaser of its yarn, to use appellee's "Crown" trade-mark, "in either representation or word," and the words "Crown Tested Quality or Tested Quality" on labels, stickers, tags, or other forms of identification on the fabrics made by appellant from the yarn, provided the fabrics were tested by a specified testing bureau, *Held* that whatever right appellant might have to use its marks, "Crownfast," "Crownperm," "Crownshrunk," and a pictorial representation of a crown, it was not entitled to the exclusive use of such marks, and, therefore, not entitled to register them.

APPEALS from the Patent Office. Affirmed.

Mr. Eric Y. Munson (*Mr. Roberts B. Larson* of counsel) for Crown Fabrics Corporation.

Messrs. Howson and Howson (*Mr. Charles H. Howson, Mrs. Margaret Wagner Smith, Mr. William A. Smith, Jr.*, and *Mr. Hubert A. Howson* of counsel) for American Viscose Corporation.

HATFIELD, *J.*:

These are appeals in trade-mark opposition proceedings from the decision of the Commissioner of Patents, who affirmed the decisions of the Examiner of Interferences sustaining appellee's notices of opposition and holding that appellant was not entitled to the registration of its four trade-marks "Crownfast," "Crownperm," "Crownshrunk," the word "shrunk" being disclaimed apart from the mark as shown, and a pictorial representation of a crown, each of which, according to the four applications for registration, was for use on identical goods, that is, "Cotton, Spun Rayon and Spun Acetate Fabrics, and Mixtures Thereof, in the Piece." *

In its applications for registration filed July 24, 1940, appellant alleged that it had used its marks "Crownfast," "Crownperm," and "Crownshrunk" on its goods since July 9, 1940.

In its application for registration filed February 7, 1940, appellant alleged that it had used its trade-mark comprising a pictorial representation of a crown on its goods since 1930.

Prior to, or at the time of, the hearing before the Commissioner of Patents, the opposition proceedings were consolidated and, accordingly, were disposed of by the Commissioner in one decision.

Appellant filed four notices of appeal to this court and four petitions for appeal in this court. However, the appeals to the Commissioner having been consolidated and the four appeals to this court having been presented by counsel for both parties as a consolidated appeal, we shall dispose of the issues presented in one decision.

Appellee is the owner of registration No. 265,436, issued December 24, 1929, for a trade-mark consisting of the word "Crown" and a pictorial representation of a crown for use on rayon yarn.

It appears from the record that appellee and its predecessor have used the word "Crown" or a pictorial representation of a crown as trade-marks on rayon yarn since 1925, and that appellee has permitted various corporations, by license agreements, to use its trade-marks on fabrics made from its rayon yarn.

According to its license agreement with the appellant company dated January 2, 1940 (appellee's Exhibit No. 8), appellee required appellant, as a purchaser of its yarn, to have the fabrics made from such yarn approved by the Better Fabrics Testing Bureau, Inc., and, as stated in the exhibit, permitted the appellant company to use appellee's "crown" trade-mark, "in either representation or word," and the words "Crown Tested Quality or Tested Quality" on labels, stickers, tags, or other forms of identification on its fabrics, provided the fabrics were tested as aforesaid. Appellee also required in that agreement that it should have sole control "over the purchasing, wording, form and issuing of all labels, stickers, tags, or other kinds of identification, etc.," which contain either the term "Crown" or a pictorial representation of a crown and the words "Crown Tested Quality or Tested Quality."

The appellant company agreed in that license agreement to identify its goods by appellee's "Crown" trade-mark and the phrase "Crown Tested Quality."

Substantially the same agreement was entered into by the involved parties on January 3, 1939 (appellee's Exhibit No. 7), and on December 8, 1932 (appellee's Exhibit No. 6).

Each of the license agreements referred to provided that it might be cancelled by either party upon not less than one day's written notice.

* These appeals were originally decided by this court on the nineteenth day of June 1944. Thereafter, counsel for appellee filed a petition for rehearing, requesting that the court revise certain language in its decision which, it was contended, was not necessary to a decision in the case. The rehearing was granted October 2, 1944, solely for the purpose of permitting the court to revise the language in its decision to which counsel for appellee had directed the court's attention.

It clearly appears from the record that appellee is the owner of the word "Crown" and a pictorial representation of a crown for trade-mark use on rayon yarn; that its marks have been used by appellant and other licensees on fabrics made from appellee's rayon yarn; and that appellee has extensively advertised its goods and its marks.

It further appears from the record that many of appellant's customers referred to its fabrics as "Crown fabrics."

That appellant's fabrics should become known as "Crown fabrics," is not strange in view of the license agreements entered into by appellant and appellee.

[1] Several of appellee's witnesses stated that, in their opinion, there would be no confusion between appellant's trade-marks and those of appellee if used concurrently on the goods of the respective parties. Such opinions, although entitled to be given consideration for what they are worth, are not binding on the tribunals of the Patent Office or on this court.

It is contended by counsel for appellant that the adoption and use of appellant's trade-marks are not covered by the license agreements entered into by the parties, but grow out of appellant's corporate name. Counsel also contends that appellee is estopped from asserting confusing similarity of the marks of the parties, because, it is alleged, appellee condoned appellant's use of the trade-marks here involved. In support of his contentions, counsel cites the cases of *Heger Products Co.* v. *Polk Miller Products Corp.*, 18 C. C. P. A. (Patents) 1106, 47 F.(2d) 966, 8 U. S. P. Q. 550, 409 O. G. 842, and *Malone* v. *The Procter & Gamble Co.*, 20 C. C. P. A. (Patents) 1150, 65 F.(2d) 154, 17 U. S. P. Q. 554, 435 O. G. 497.

In each of those cases it was held, in substance, that where an applicant for the registration of his mark had, by his conduct, led others, who used similar marks on goods of the same descriptive properties as those of the applicant, to believe that there was no objection to such use and, in fact, consented to such use, he would be estopped from claiming exclusive ownership of the mark and from registering the same.

Those cases have no bearing on the issues here presented.

We find nothing in the record to indicate that appellee ever condoned appellant's use of its involved marks, except as such marks might have been used under the license agreements entered into by the parties.

[2] As stated in the decision of the Commissioner, appellant has appropriated opposer's marks in their entirety. It has appropriated the word "Crown," as well as a pictorial representation of a crown, and has used them on goods of the same descriptive properties as those on which appellee uses its marks.

That the marks of the parties are confusingly similar can not be seriously questioned.

[3] Whatever right appellant might have to use its marks under its license agreements with appellee, it obviously is not entitled to the exclusive use of such marks, and, therefore, is not entitled to register them.

For the reasons stated, the decision of the Commissioner is affirmed.

Affirmed.

GARRETT, *P. J.*, did not participate in the consideration or decision of this case.

LENROOT, *J.*, sat during the arguments of this case, but resigned before the opinion was prepared.

TRADE-MARKS

OFFICIAL GAZETTE, DECEMBER 12, 1944

[VOL. 569. No. 2]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 468,251. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio. Filed Mar. 13, 1944.

VELOFORM

FOR PLASTIC AND/OR SYNTHETIC RESIN MOLDING POWDERS OR CRYSTALS AND PARTIALLY FINISHED GOODS PRODUCED THEREFROM CONSISTING OF SHEETS, LAMINATED SHEETS, RODS, TUBING, CHANNEL-SECTIONS, T-SECTIONS, ANGLE-SECTIONS, AND I-SECTIONS.
Claims use since Feb. 4, 1944.

Ser. No. 474,559. VITA-VAR CORPORATION, Newark, N. J. Filed Sept. 23, 1944.

VITA-CLOR

FOR SYNTHETIC RESIN.
Claims use since Aug. 10, 1944.

Ser. No. 474,727. S. S. KRESGE COMPANY, Detroit, Mich. Filed Sept. 29, 1944.

ACME

FOR COTTON BATTING.
Claims use since Apr. 15, 1944.

Ser. No. 474,728. S. S. KRESGE COMPANY, Detroit, Mich. Filed Sept. 29, 1944.

DAISY

FOR COTTON BATTING.
Claims use since Apr. 15, 1944.

Ser. No. 474,729. S. S. KRESGE COMPANY, Detroit, Mich. Filed Sept. 29, 1944.

GEM

FOR COTTON BATTING.
Claims use since Apr. 15, 1944.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 473,917. GEORGE L. SOREGHEN, doing business as The Diamond Whip Co., Chicago, Ill. Filed Sept. 6, 1944.



The word "Brand" is disclaimed apart from the mark.
FOR HALTERS, HAME STRAPS, LEATHER BRIDLES, HITCH REINS, WHIPS, WHIP LASHES, QUIRTS, HACKAMORES, BRAIDED LEATHER BRIDLES, FLY NETS FOR ANIMALS, AND ROPE LARIATS.
Claims use since 1878.

Ser. No. 474,338. LEATHERCRAFT, INC., Chicago, Ill. Filed Sept. 18, 1944.



The word "Fold" is disclaimed apart from the mark.
FOR BRIEF CASES, KEY CASES, BILLFOLDS, COIN PURSES, POCKETBOOKS, AND CARD CASES.
Claims use since Aug. 28, 1944.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 471,496. TURCO PRODUCTS, INC., Los Angeles, Calif. Filed June 21, 1944.

PLASTI GLYST

FOR CLEANING PREPARATION PRIMARILY INTENDED FOR USE ON GLASS, PLASTICS, AND THE LIKE.
Claims use since Jan. 1, 1944.

Ser. No. 471,498. TURCO PRODUCTS, INC., Los Angeles, Calif. Filed June 21, 1944.

LIGNO

FOR COMPOUNDS USED IN THE CLEANING OF METAL SURFACES AND THE LIKE.
Claims use since Feb. 1, 1944.

Ser. No. 473,692. ETHYL CORPORATION, New York, N. Y. Filed Aug. 29, 1944.

ETHYL

FOR DRY CLEANING PREPARATION.
Claims use since May 29, 1944.

Ser. No. 473,785. JAMES J. MANDERSCHEID, doing business as The Manderscheid Co., Chicago, Ill. Filed Aug. 31, 1944.

Presto

FOR POLISHING AND BUFFING WHEELS AND BUSHINGS THEREFOR.
Claims use since Apr. 8, 1944.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 463,488. WILLIAM D. MACDERMID, doing business as W. D. MacDermid Chemical Co., Bristol, Conn. Filed Sept. 18, 1943.

KEMTEX

FOR METAL CLEANING COMPOUNDS IN THE NATURE OF SOLUBLE SALTS FOR USE IN PREPARING METALS FOR PLATING, BUFFING, AND OTHER OPERATIONS.
Claims use since Aug. 30, 1943.

Ser. No. 467,161. MACDERMID INCORPORATED, Waterbury, Conn. Filed Feb. 4, 1944.

METALEX

FOR DRY ALKALINE CLEANSING PREPARATIONS IN THE NATURE OF SOLUBLE SALTS FOR CLEANING METALS PREPARATORY TO PLATING, BUFFING, ETC.
Claims use since May 1940.

Ser. No. 467,162. MACDERMID INCORPORATED, Waterbury, Conn. Filed Feb. 4, 1944.

PENETREX

FOR DRY ALKALINE CLEANSING PREPARATIONS IN THE NATURE OF SOLUBLE SALTS FOR CLEANING METALS PREPARATORY TO PLATING, BUFFING, AND OTHER OPERATIONS.
Claims use since May 1939.

Ser. No. 468,039. ORTHO PRODUCTS, INC., Linden, N. J. Filed Mar. 7, 1944.

hexital

FOR THERAPEUTIC PRODUCTS FOR USE IN THE MANAGEMENT OF MENOPAUSE.
Claims use since Sept. 7, 1943.

Ser. No. 468,281. "42" PRODUCTS, INC., doing business as Windsor House, Ltd., Los Angeles, Calif. Filed Mar. 14, 1944.

KINGS MEN

FOR COLOGNE, AFTER SHAVE POWDER, AND AFTER SHAVE LOTION.
Claims use since Oct. 1, 1941.

Ser. No. 470,250. BEULAH C. BUCK, doing business as Haova Products Company, St. Louis, Mo. Filed May 13, 1944.

HAOVA

FOR HAIR-SCALP CREME, HAIR POMADE, AND BEAUTY SALVE.
Claims use since June 1912.

Ser. No. 470,715. ENDO PRODUCTS INC., New York, N. Y. Filed May 27, 1944.

LEVOCAL

FOR PREPARATION FOR CALCIUM MEDICATION.
Claims use since May 15, 1944.

Ser. No. 471,744. LEDERLE LABORATORIES, INC., New York, N. Y. Filed June 28, 1944.

OBLETS

FOR MEDICINAL TABLETS FOR VETERINARY USE PARTICULARLY SUITABLE FOR ADMINISTERING DOSES OF SULFANILAMIDE, SULFAPYRIDINE, AND SULFATHIAZOLE FOR TREATMENT OF STREPTOCOCCAL, PNEUMOCOCCAL AND STAPHYLOCOCCAL INFECTIONS; DOSES OF SULFAGUANIDINE FOR TREATMENT OF INFECTIOUS DIARRHEA AND ENTERITIS; AND DOSES OF PHENOTHIAZINE AS A VERMIFUGE FOR THE ELIMINATION OF HOOKWORMS, NODULAR WORMS, STOMACH WORMS, BOWEL WORMS, STRONGYLI AND ASCARIDS IN ANIMALS.
Claims use since July 7, 1943.

Ser. No. 471,866. SPIROS COOCHICOS, New York, N. Y. Filed July 1, 1944.

HAIR SPARE

The word "Hair" is disclaimed.
FOR HAIR TONIC FOR USE IN REMOVING DANDRUFF, TREATING ITCHING SCALP, PREVENTING FALLING HAIR, AND ADDING LUSTRE TO THE HAIR.
Claims use since May 3, 1944.

Ser. No. 472,014. PALMER COMPANY, INC., Waukesha, Wis. Filed July 8, 1944.

THE *Guardian* LINE

FOR INSECTICIDES, FLY SPRAY, ROACH POWDER, LIQUID DEODORANT, DISINFECTANTS, BOILER COMPOUNDS IN THE NATURE OF A CHEMICAL FOR SOFTENING WATER AND FOR PREVENTING SCALE IN BOILERS, PIPES, ETC., WATER SOFTENERS, PIPE CLEANERS—NAMELY, A CHEMICAL FOR USE IN OPENING DRAIN PIPES, MOTH REPELLENT, CREOSOL COMPOUND.
Claims use since Jan. 1, 1944.

Ser. No. 472,372. TURCO PRODUCTS, INC., Los Angeles, Calif. Filed July 18, 1944.

CERI-SEAL

No claim is made to the word "Seal" apart from the mark.
FOR CHEMICAL COMPOSITION FOR USE IN COATING CONCRETE FLOORS TO PREVENT SLIPPING, DETERIORATION AND DUSTING THEREOF.
Claims use since June 2, 1944.

Ser. No. 472,677. PRATT & GRAY COMPANY, INC., Norwalk, Conn., assignor to Diebold, Incorporated, Canton, Ohio. Filed July 27, 1944.

DENSITROL

FOR DEVELOPERS, FIXERS, HARDENERS, AND OTHER CHEMICALS USED IN THE PROCESSING OF FILMS AND OTHER SILVER HALIDE EMULSIONS.
Claims use since May 1943.

Ser. No. 473,293. BLOOMFIELD J. SISOM, doing business as Gemma Laboratories, Oaklyn, N. J. Filed Aug. 15, 1944.

GEMMA

The drawing is lined for blue.
FOR ANTACID PREPARATION.
Claims use since Nov. 1, 1940.

Ser. No. 473,395. WARREN W. NAEGELI, doing business as Naegeli Drug Company, Rolla, N. D. Filed Aug. 17, 1944.

"PYORRO-VIN"

FOR MOUTH WASH FOR PYORRHEA AND VINCENT'S ANGINA.
Claims use since May 1934.

Ser. No. 473,577. OAKITE PRODUCTS, INC., New York, N. Y. Filed Aug. 24, 1944.

CRYSCOAT

The notation "Coat" per se is disclaimed.
FOR CHEMICAL PREPARATION INTENDED TO BE APPLIED TO METAL SURFACES FOR THE PURPOSE OF MAKING PAINT ADHERE THERETO FIRMLY.
Claims use since Aug. 10, 1944.

Ser. No. 473,588. BERNARD C. WALTON, doing business as Walton Laboratories, Chicago, Ill. Filed Aug. 24, 1944.

LUSALFA

FOR DIGESTANT AND GENERAL TONIC.
Claims use since Aug. 10, 1943.

Ser. No. 473,786. MCKESSON & ROBBINS, INCORPORATED, New York, N. Y. Filed Aug. 31, 1944.

ORAFIX

FOR ADHESIVE POWDER FOR USE ON DENTURES TO HOLD THEM IN PLACE.
Claims use since Aug. 28, 1944.

Ser. No. 473,878. BEAUTY RESEARCH LABORATORIES, INC., Cleveland, Ohio. Filed Sept. 4, 1944.

Luxurl

FOR HAIR WAVING SOLUTIONS.
Claims use since Aug. 30, 1944.

Ser. No. 474,012. THE UPJOHN COMPANY, Kalamazoo, Mich. Filed Sept. 8, 1944.

Camollient

FOR MEDICINAL PREPARATION FOR THE TREATMENT OF SKIN CONDITIONS.
Claims use since Jan. 28, 1943.

Ser. No. 474,049. THE PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa. Filed Sept. 9, 1944.

PENNSALT FA 42

FOR FLUOBORIC ACID.
Claims use since Feb. 24, 1944.

Ser. No. 474,073. FISHER SCIENTIFIC COMPANY, Pittsburgh, Pa. Filed Sept. 11, 1944.

CAROXITE

FOR CHEMICAL COMPOUND TO ABSORB CARBON DIOXIDE.
Claims use since Sept. 5, 1944.

Ser. No. 474,897. RICHARD HUDNUT, New York, N. Y. Filed Oct. 4, 1944.

BLIZZARD

FOR PERFUMES.
Claims use since Sept. 25, 1944.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 475,010. JOHN HUDSON MOORE, INC., New York, N. Y. Filed Oct. 6, 1944.

SPORTSMAN

FOR PIPES.
Claims use since Sept. 29, 1944.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 465,897. DESIGNERS FOR INDUSTRY, INC., Cleveland, Ohio. Filed Dec. 20, 1943.

excelite

FOR WALL BOARD AND HEAT AND SOUND INSULATING BOARD MADE FROM COMPRESSED AND BONDED LIGNO-CELLULOSE FIBERS.
Claims use since Nov. 20, 1941.

Ser. No. 466,710. HERMAN J. REICH, doing business as Magic Iron Cement Company, Cleveland, Ohio. Filed Jan. 19, 1944.

Magic

FOR IRON CEMENT, WHITE TILE CEMENT, PORCELAIN GLAZE REPAIR CEMENT, CRACK FILLER, LIQUID METALLIC CEMENT AND PLASTIC BODY CEMENT.
Claims use on iron cement since April 1934; on white tile cement since May 1935; on porcelain glaze repair cement since March 1936; on crack filler since March 1936; on liquid metallic cement since July 1943; and on plastic body cement since July 1943.

Ser. No. 466,891. GENERAL REFRACTORIES COMPANY, Philadelphia, Pa. Filed Jan. 26, 1944.

PRCO

FOR STANDARD REFRACTORY BRICK.
Claims use since 1933.

Ser. No. 467,693. GLOBE ROOFING PRODUCTS CO., INC., Whiting, Ind. Filed Feb. 23, 1944.

PLASTIGRAN

FOR ASPHALT FELT ROOFING.
Claims use since Jan. 17, 1944.

Ser. No. 470,921. PERRY G. MEANS, Reno, Nev. Filed June 5, 1944.

FLUFTROK

FOR EXPANDED MINERAL CONSISTING PRINCIPALLY OF ALUMINUM SILICATE SOLD IN BULK FOR HEAT AND SOUND INSULATION AND AS A PLASTER AND WALLBOARD INGREDIENT.
Claims use since September 1942.

Ser. No. 474,114. CORITE CORPORATION, Los Angeles, Calif. Filed Sept. 12, 1944.

Gripcor

FOR CEMENTITIOUS PLASTIC COMPOUND USED IN SURFACING OR REFINISHING OF WOOD, METAL, CEMENT, GLASS, SHINGLE, AND COMPOSITION SURFACES, AND/OR A NON-SLIP WEARING SURFACE OR DECKING OVER SAME, AND/OR A CEMENTITIOUS ADHESIVE, POINTING, JOINTING, AND GROUTING COMPOUND IN BUILDING CONSTRUCTION.
Claims use since Mar. 1, 1944.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 471,838. PENETRATOR SIPHON COMPANY, Dixon, Calif. Filed June 30, 1944.

PENETRATOR

FOR PORTABLE IRRIGATION SIPHONS.
Claims use since May 1, 1942.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 471,356. PARAMET CORPORATION, Long Island City, N. Y. Filed June 17, 1944.

PARAPEN

FOR RESIN COMBINATIONS FOR USE IN COATING COMPOSITIONS SUCH AS VARNISHES AND LACQUERS.
Claims use since Apr. 1, 1944.

Ser. No. 474,364. STANDARD VARNISH WORKS, Staten Island, N. Y. Filed Sept. 18, 1944.

PLASTO-PAK

No claim is made to the word "Pak" apart from the mark.
FOR LIQUID PLASTIC COMPOSITION IN THE NATURE OF A LACQUER THAT FORMS A RUBBER-LIKE PROTECTIVE FILM FOR OBJECTS MADE FROM WOOD, PLASTIC, METAL, AND OTHER MATERIAL.
Claims use since July 13, 1944.

CLASS 19

VEHICLES

Ser. No. 472,743. INDUSTRIAL PALLET COMPANY, New York, N. Y. Filed July 29, 1944.

IPCo

FOR PALLET AND SKID PLATFORMS.
Claims use since Feb. 11, 1942.

Ser. No. 472,911. THE TRAILER COMPANY OF AMERICA, Cincinnati, Ohio. Filed Aug. 3, 1944.

TRAILMOBILE

FOR TRAILERS OF THE TWO AND FOUR WHEEL TYPE, AND PARTS THEREOF.
Claims use since May 26, 1915.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 463,693. MEYER-HELTMAN, Norwood, Ohio. Filed Sept. 27, 1943.

SELECT'EM

FOR CARDS FOR USE IN GAMES INVOLVING NUMBER SEQUENCES.
Claims use since Sept. 7, 1943.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 469,047. HAROLD H. HARMS, doing business as Henry Equipment Company, Bowling Green, Ohio. Filed Apr. 5, 1944.



FOR PORTABLE HAND-WHEELED TRUCK FITTED WITH A POWER PLANT, CONTAINER AND CONDUCTING HOSE AND FITTINGS FOR USE AS A SUMP CLEANER IN THE REMOVAL OF CHIPS, SLUDGE, SCALE, COOLANT AND CUTTING OIL FROM MACHINE TOOL SUMPS, QUENCH TANKS, AND CHEMICAL TANKS OR VATS.
Claims use since October 1943.

Ser. No. 474,954. GAMBLE STORES, INCORPORATED, Minneapolis, Minn. Filed Oct. 5, 1944.

CORONADO

The drawing is lined for silver.
FOR SEWING MACHINES, TREADLE AND ELECTRICALLY OPERATED.
Claims use since April 1937.

Ser. No. 474,956. GAMBLE STORES, INCORPORATED, Minneapolis, Minn. Filed Oct. 5, 1944.

CORONADO

The drawing is lined for silver.
FOR CARPET SWEEPERS.
Claims use since October 1938.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 474,528. BERMAN WATCH COMPANY, New York, N. Y. Filed Sept. 23, 1944.

MILBER

FOR DIALS, WATCHES, WATCH MOVEMENTS, AND WATCH PARTS.
Claims use since Sept. 1, 1944.

Ser. No. 474,607. LOUIS SCHEIN, New York, N. Y. Filed Sept. 25, 1944.

LIDO

FOR WATCHES, WATCH MOVEMENTS, WATCH DIALS, AND WATCH CASES.
Claims use since Oct. 1, 1930.

Ser. No. 474,730. EMIL LEICHTER, New York, N. Y. Filed Sept. 29, 1944.

WILLIAM

FOR WATCHES.
Claims use since Aug. 23, 1944.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 470,141. MORTON B. FARRELL COMPANY, Detroit, Mich. Filed May 11, 1944.

Heirloom Pearls

The word "Pearls" is disclaimed apart from the mark.
FOR PEARLS, PEARL NECKLACES, AND PEARL MOUNTED JEWELRY, NOT INCLUDING WATCHES.
Claims use since Mar. 1, 1944.

Ser. No. 474,655. CORO, INC., New York, N. Y. Filed Sept. 27, 1944.

NIGHT OWLS

FOR NECKLACES, BRACELETS, EARRINGS, JEWELRY CLIPS, BROOCHES, LOCKETS, AND THE FOLLOWING GOODS MADE IN WHOLE OR IN PART OF PRECIOUS METALS OR PLATED WITH THE SAME; BEADS, PINS, HAT ORNAMENTS, HOLDERS FOR FACE POWDER COMPACTS, COMB CASES, FANCY CIGARETTE BOXES, FANCY BUCKLES, AND JEWELRY INITIALS.
Claims use since May 1944.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 474,840. JEROME WERLIN, New York, N. Y. Filed Oct. 2, 1944.

LeBeau

FOR POWDER PUFFS.
Claims use since Aug. 22, 1944.

CLASS 33

GLASSWARE

Ser. No. 460,605. NEW MARTINSVILLE GLASS COMPANY, New Martinsville, W. V., now by change of name Viking Glass Company. Filed May 13, 1943.

Viking Glass

The word "Glass" is disclaimed apart from the mark.
FOR GLASS TABLE, COOKING AND BAR WARE, BOTTLES, JUGS, JARS, VASES, CANDY BOXES AND COVERS, PUFF BOXES AND COVERS, BASKETS, SERVING TRAYS AND PIN TRAYS.
Claims use since Aug. 23, 1941.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 467,354. NEW MARTINSVILLE GLASS COMPANY, New Martinsville, W. V., now by change of name Viking Glass Company. Filed Feb. 11, 1944.

Viking Glass

The word "Glass" is disclaimed apart from the mark.
FOR GLASS CANDLE STICKS, HURRICANE CHIMNEYS AND LAMPS, AND CIGARETTE LIGHTERS OF THE PYROPHORIC TYPE.
Claims use since Aug. 23, 1941.

Ser. No. 473,667. J. L. GILLEN COMPANY, Dowagiac, Mich. Filed Aug. 28, 1944.

GILPO

No claim is made to the outline representation of the disc name plate apart from the mark.
FOR AUTOMATIC OIL-BURNING HOT WATER HEATERS AND AUTOMATIC OIL-BURNING FURNACES.
Claims use since July 15, 1940.

Ser. No. 473,912. IRENE KAPLAN, doing business as Nalpak, New York, N. Y. Filed Sept. 6, 1944.

NALPAK

FOR GAS RANGES AND COOKERS, GAS HEATERS, GAS FURNACES, GAS RADIATORS, GAS HOT PLATES, GAS WAFFLE IRONS, OIL STOVES, OIL HEATERS, OIL RANGES AND COOKERS, COAL STOVES, COAL RANGES AND COOKERS, COAL HEATERS, COAL FURNACES, FIREPLACE GRATES.
Claims use since 1914.

CLASS 37

PAPER AND STATIONERY

Ser. No. 468,331. EUGENE W. PIKE, doing business as E. W. Pike & Company, Elizabeth, N. J. Filed Mar. 15, 1944.



FOR MOISTENING DEVICES FOR GUMMED SURFACES (SUCH AS ENVELOPE SEALERS—I. E., DEVICES COMPRISING CONTAINER FOR HOLDING A MOISTENING FLUID AND AN ABSORPTIVE MEMBER WHICH EXTENDS INTO THE BODY OF THE CONTAINER).
Claims use since July 1931.

Ser. No. 474,546. KLOPP & BARTLETT COMPANY, Omaha, Nebr. Filed Sept. 23, 1944.

K-B

FOR BOUND AND LOOSE-LEAF BLANK BOOKS AND RECORD BOOKS, LEGAL FORMS AND BLANKS, AND PRINTED AND LITHOGRAPHED BLANKS AND FORMS FOR USE OF SCHOOLS, ELECTION BOARDS, STATE, COUNTY, AND MUNICIPAL OFFICIALS, AND CORPORATIONS.
Claims use since February 1914.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 465,361. THE GARRETT CORPORATION, Los Angeles, Calif. Filed Nov. 29, 1943.

AiResearcher

FOR MONTHLY PUBLICATION CONTAINING ITEMS PRINCIPALLY OF INTEREST TO APPLICANT'S EMPLOYEES.
Claims use since November 1942

Ser. No. 471,917. TIME, INCORPORATED, New York, N. Y. Filed July 3, 1944.

Let's Learn Spanish

WITH

TIME

The word "Spanish" is disclaimed apart from the mark.
FOR SERIES OF LANGUAGE LESSONS AND WORD LISTS.
Claims use since Apr. 20, 1943.

CLASS 39

CLOTHING

Ser. No. 463,460. HOLLYWOOD-MAXWELL CO., Los Angeles, Calif. Filed Sept. 17, 1943.

WHIRLPOOL

FOR BRASSIÈRES.
Claims use since December 1933.

Ser. No. 466,437. EASTERN MFG. CO., doing business as Leeta Mae Co., Boston, Mass. Filed Jan. 10, 1944.

Leeta Mae

FOR WOMEN'S, MISSES', CHILDREN'S, AND INFANTS' APPAREL—NAMELY, DRESSES, BLOUSES, OUTER SKIRTS, COLLARS, COLLAR AND CUFF SETS, SCARFS, DICKIES, BIBS, JABOTS, HOUSECOATS, BATHROBES, UNDERWEAR, HOSIERY, AND BATHING SUITS.
Claims use since January 1939.

Ser. No. 471,015. BARNEY'S CLOTHES, INC., New York, N. Y. Filed June 8, 1944.

"Calling All Boys"

FOR BOYS' SUITS, TOPCOATS, OVERCOATS, HATS, SHIRTS, UNDERWEAR, SOCKS, TIES, AND HANDKERCHIEFS.
Claims use since June 1942.

Ser. No. 471,201. TEXTRON, INC., Providence, R. I., assignor to Textron, Incorporated, Providence, R. I., a corporation of Rhode Island. Filed June 13, 1944.

TEXTRON

FOR WOMEN'S UNDERWEAR, HOUSECOATS, APRONS, BED JACKETS, BLOUSES, BRASSIÈRES, LOUNGING ROBES, PANTIES, SCARFS, AND RAINCOATS; FOR MEN'S PAJAMAS AND SPORT SHIRTS; FOR CHILDREN'S CAPS, DRESSES, AND SUN SUITS; FOR BABY PANTS; AND FOR SHOWER CAPS AND MAKE-UP CAPES.
Claims use to women's underwear since Sept. 27, 1943; to baby pants since Dec. 15, 1943; to men's pajamas since Feb. 11, 1944; to women's housecoats since Feb. 29, 1944; and since Mar. 17, 1944, to women's aprons, bed jackets, blouses, brassières, lounging robes, panties, raincoats, and scarfs, men's sport shirts, children's caps, dresses, and sun suits, and shower caps, and make-up capes.

Ser. No. 473,545. PENN HOSIERY MILLS, INC., Reading, Pa. Filed Aug. 23, 1944.

Ralo HOSIERY

No claim is made to the word "Hosiery" apart from the mark. The mark consists of the words "Ralo Hosiery."
FOR HOSIERY.
Claims use since 1919.

Ser. No. 473,809. HENRY H. FREDE, Chattanooga, Tenn. Filed Sept. 1, 1944.

PEE WEES

FOR DISPOSABLE DIAPERS.
Claims use since Aug. 19, 1944.

Ser. No. 474,279. GREENSBORO OVERALL COMPANY, INC., Greensboro, N. C. Filed Sept. 16, 1944.

DRESSY DAN

FOR MEN'S AND BOYS' OVERALLS, WORK COATS, DUNGAREES, AND WORK PANTS.
Claims use since Dec. 30, 1943.

Ser. No. 474,595. MCCOY, JONES & COMPANY, INC., Chicago, Ill. Filed Sept. 25, 1944.

HYGREST

FOR MEN'S, WOMEN'S, AND CHILDREN'S LEATHER BELTS.
Claims use since 1913.

Ser. No. 474,717. THE AUERBACH BATH ROBE COMPANY, New York, N. Y. Filed Sept. 29, 1944.

"LUXUROBE"

FOR BATH AND LOUNGING ROBES.
Claims use since March 1944.

Ser. No. 474,766. I. SCHNEIERSON & SONS, INC., New York, N. Y. Filed Sept. 30, 1944.

SATINTEX

FOR LADIES' CHEMISES, PAJAMAS, DRESSES, PRINCESS SLIPS, BLOOMERS, STEP-INS, NIGHTGOWNS, AND LADIES' UNIFORMS FOR WORK PURPOSES, AND CHILDREN'S CHEMISES, PAJAMAS, DRESSES, PRINCESS SLIPS, BLOOMERS, STEP-INS, AND NIGHTGOWNS, OF A TEXTILE FABRIC.
Claims use since Aug. 7, 1944.

Ser. No. 474,767. I. SCHNEIERSON & SONS, INC., New York, N. Y. Filed Sept. 30, 1944.

THRIFT CRAFT

FOR LADIES' CHEMISES, PAJAMAS, DRESSES, PRINCESS SLIPS, BLOOMERS, STEP-INS, NIGHTGOWNS, AND LADIES' UNIFORMS FOR WORK PURPOSES, AND CHILDREN'S CHEMISES, PAJAMAS, DRESSES, PRINCESS SLIPS, BLOOMERS, STEP-INS, AND NIGHTGOWNS, OF A TEXTILE FABRIC.
Claims use since Aug. 7, 1944.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 473,063. INTERNATIONAL BRAID COMPANY, Providence, R. I. Filed Aug. 8, 1944.

PLASTRON

FOR BRAIDED AND WOVEN NARROW FABRICS.
Claims use since July 21, 1944.

Ser. No. 473,064. INTERNATIONAL BRAID COMPANY, Providence, R. I. Filed Aug. 8, 1944.

SYNTHRON

FOR BRAIDED AND WOVEN NARROW FABRICS.
Claims use since July 21, 1944.

Ser. No. 474,605. ROBERT T. PLATE, doing business as Curly Lox Products, Detroit, Mich. Filed Sept. 25, 1944.

Curly Lox

FOR HAIR BOWS AND HAIR SNAPS.
Claims use since Apr. 5, 1944.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 463,447. THERM-A-MODE COMPANY, INC., Paterson, N. J. Filed Sept. 16, 1943.

THERMATEX

FOR COTTON, LINEN, AND WOOL FABRICS HAVING ELECTRICALLY CONDUCTIVE WIRE KNITTED OR WOVEN THEREIN.
Claims use since Sept. 7, 1943.

Ser. No. 471,847. BATES MANUFACTURING COMPANY, Lewiston, Maine. Filed July 1, 1944. Under section 5b of the act of 1905 as amended in 1920 as to "Bates."

Bates

"Loomed to be Heirloomed"

Applicant is the owner of registrations No. 86,025 and No. 125,958, both renewed, for the mark "Bates," effected under the 10-year proviso. The word "Loomed" is disclaimed apart from the mark.
FOR BEDSPREADS.
Claims use since Feb. 11, 1938.

Ser. No. 473,011. AMERICAN WOOLEN COMPANY, New York, N. Y. Filed Aug. 7, 1944.

TWILL LANE

Applicant disclaims "Twill" apart from the mark.
FOR PIECE GOODS COMPOSED WHOLLY OR IN PART OF WOOL OR WORSTED.
Claims use since July 27, 1944.

Ser. No. 474,067. CREST FABRICS CORP., New York, N. Y. Filed Sept. 11, 1944.

SKY-CREST

FOR TEXTILE FABRICS IN THE PIECE OF COTTON, SPUN RAYON, PROTEIN FIBRES, AND COMBINATIONS THEREOF.
Claims use since Jan. 3, 1944.

CLASS 43

THREAD AND YARN

Ser. No. 474,421. PATONS & BALDWINS, INC., Newark, N. J. Filed Sept. 20, 1944.



The picture is fanciful.
FOR WOOLEN YARN.
Claims use since July 6, 1944.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 461,457. THE DENTAL PRODUCTS CORPORATION, Manheim, Pa. Filed June 17, 1943.

Dentyte

FOR COMPOUND FOR MAKING CUSHION DENTURE LINERS.
Claims use since November 1941.

Ser. No. 468,371. BELL DENTAL PRODUCTS COMPANY, INC., New York, N. Y. Filed Mar. 17, 1944.

TRI-TEX

FOR CHEMICAL COMPOSITION COMPRISING A LIQUID AND A POWDER USED IN CONNECTION WITH ARTIFICIAL DENTURES OR FILLINGS FOR TEETH AND INLAYS AND PARTICULARLY FOR MAKING DENTURE LINERS OR FOR RELINING DENTURES.
Claims use since Feb. 4, 1944.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 468,761. NATIONAL HOSPITAL ASSOCIATION, doing business as Beaver Island Fruit Acres, Portland, Oreg. Filed Mar. 28, 1944.

ISLAND PACK

The word "Pack" is disclaimed apart from the mark.
FOR NUTS IN THEIR NATURAL STATE.
Claims use since Nov. 19, 1943.

Ser. No. 468,762. NATIONAL HOSPITAL ASSOCIATION, doing business as Beaver Island Fruit Acres, Portland, Oreg. Filed Mar. 28, 1944.

RIVERPAC

FOR NUTS IN THEIR NATURAL STATE.
Claims use since Nov. 19, 1943.

Ser. No. 471,955. MARLON CONFECTIONS COMPANY, New York, N. Y. Filed July 6, 1944.



Applicant is the owner of registration 396,486, dated July 21, 1942. No claim is made to the representation of the label or the representation of the goods except as shown. All wording except "Marlon" is disclaimed apart from the mark.
FOR CANDIES.
Claims use since Feb. 1, 1944.

Ser. No. 472,042. COMMERCIAL COMPINEX COMPANY, New York, N. Y. Filed July 10, 1944.

Duc De Chambord

The mark comprises the name of Duc de Chambord, Henri Charles Ferdinand Marie Dieudonne, head of the elder branch of the Bourbon dynasty and heir apparent to the throne of France, born 1820, died 1883.
FOR CANNED SARDINES.
Claims use since Mar. 14, 1944.

Ser. No. 472,054. GOODWIN PRESERVING CO., Louisville, Ky. Filed July 10, 1944.

DAIRYLADE

FOR CHOCOLATE SYRUP FOR FOOD PURPOSES.
Claims use since Mar. 3, 1944.

Ser. No. 473,244. BLUE MOON FOODS, INC., Thorp, Wis. Filed Aug. 14, 1944.

BLUE MOON CAVEAU-BLEU

Applicant is the owner of registration No. 388,282, dated June 17, 1941. The words "Blue" and "Caveau-Bleu" are disclaimed apart from the mark.
FOR CHEESE SPREAD.
Claims use since Jan. 10, 1938.

Ser. No. 473,874. J. RUSSELL VICKERS, Winnsboro, Tex. Filed Sept. 2, 1944.

PEOPLE'S CHOICE

No claim is made to the word "Choice" apart from the mark.
FOR FRESH SWEET POTATOES.
Claims use since 1939.

Ser. No. 474,342. NATIONAL GROWERS & SHIPPERS, Los Angeles, Calif. Filed Sept. 18, 1944.

Flav-O-Lure

FOR FRESH VEGETABLES AND MELONS.
Claims use since May 3, 1944.

Ser. No. 474,591. THE LAFAYETTE PACKING COMPANY, Rockland, Maine, and New York, N. Y. Filed Sept. 25, 1944.

Princess Sil Vic

Applicant disclaims the notation "Sil" separately from the mark.
FOR CANNED SARDINES.
Claims use since Sept. 5, 1944.

Ser. No. 475,290. EVERETT S. WRIGHT, doing business as New England Distributors, East Orange, N. J. Filed Oct. 12, 1944.

MAPLETS

FOR CANDIES.
Claims use since June 1943.

Ser. No. 475,365. LANCE, INC., Charlotte, N. C. Filed Oct. 16, 1944.

VAN-O-LUNCH

Applicant disclaims the word "Lunch" except in association with the other features of the mark.
FOR COOKIE SANDWICHES.
Claims use since Sept. 1, 1942.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 473,242. ARMSTRONG CORK COMPANY, Lancaster, Pa. Filed Aug. 14, 1944.

FLEXICORK

FOR RESILIENT PLASTIC COMPOSITION MATERIAL CONTAINING CORK FOR USE IN THE MANUFACTURE OF SHOES.
Claims use since June 23, 1944.

Ser. No. 473,585. W. G. SHELTON CO., INC., St. Louis, Mo. Filed Aug. 24, 1944.

JEWEL BOX COOL CURL by Shelton

No claim is made to the words "Cool Curl by Shelton" except in association with other features of the mark.
FOR KIT COMPRISING AN APPARATUS FOR GIVING SO-CALLED PERMANENT WAVES TO THE HUMAN HAIR AND CONTAINING THE FOLLOWING ARTICLES: SOLUTIONS FOR SOFTENING THE HAIR, NEUTRALIZING SOLUTIONS, COVERING FOR THE HAIR TO RETARD EVAPORATION OF SOLUTIONS, PINS FOR TUCKING IN AND SMOOTHING THE ENDS OF THE HAIR WHEN WINDING, PADS FOR MAKING TEST CURLS, PAPERS FOR RETAINING WOUND STRANDS OF HAIR AGAINST UNWINDING, AND LIQUID FOR GIVING SHEEN TO THE HAIR IN THE COMPLETED CURL.
Claims use since Nov. 10, 1943.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

DECEMBER 12, 1944

410,661. FLOUR MADE FROM WHEAT. PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn.
Filed September 30, 1940. Serial No. 436,523. PUBLISHED OCTOBER 3, 1944. Class 46.

410,662. LUBRICATING OILS. THE ATLANTIC REFINING COMPANY, Philadelphia, Pa.
Filed July 11, 1942. Serial No. 454,163. PUBLISHED OCTOBER 3, 1944. Class 15.

410,663. LUBRICATING OILS. THE ATLANTIC REFINING COMPANY, Philadelphia, Pa.
Filed July 11, 1942. Serial No. 454,164. PUBLISHED OCTOBER 3, 1944. Class 15.

410,664. CORSAGE ORNAMENT COMPRISING ARTIFICIAL FLOWERS. WANDT NOVELTY CORP., New York, N. Y.
Filed June 15, 1943. Serial No. 461,423. PUBLISHED OCTOBER 3, 1944. Class 50.

410,665. PULL TOYS SIMULATING A TURTLE. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio.
Filed August 13, 1943. Serial No. 462,704. PUBLISHED OCTOBER 3, 1944. Class 22.

410,666. PULL TOYS SIMULATING A PENQUIN. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio.
Filed August 18, 1943. Serial No. 462,817. PUBLISHED OCTOBER 3, 1944. Class 22.

410,667. BRUSHES—NAMELY, FLOOR BRUSHES, COUNTER BRUSHES, WINDOW BRUSHES, LOOM DUSTERS, PICK-UP BRUSHES, RADIATOR BRUSHES, ETC. EMPIRE BRUSH WORKS, Port Chester, N. Y.
Filed August 26, 1943. Serial No. 463,016. PUBLISHED MARCH 7, 1944. Class 29.

410,668. MEDICINES HAVING GERMICIDAL, ANTIBACTERIAL AND ANTISEPTIC PROPERTIES USED BOTH INTERNALLY AND EXTERNALLY. FRANCIS M. CERBINI, doing business as Cerbini Chemical Products Co., New York, N. Y.
Filed October 18, 1943. Serial No. 464,217. PUBLISHED SEPTEMBER 26, 1944. Class 6.

410,669. FLOOR AND WALL SUPPORTED SHELVES, CHILDREN'S PLAY PENS, CRIBS, AND CABINETS FOR HOUSEHOLD USES. EDWIN PIERPONT MORGAN, Oakland, Calif.
Filed December 11, 1943. Serial No. 466,064. PUBLISHED OCTOBER 3, 1944. Class 32.

410,670. CERAMIC TABLE AND COOKING WARE. VICTOR INSULATORS, INC., Victor, N. Y.
Filed December 27, 1943. Serial No. 466,113. PUBLISHED OCTOBER 3, 1944. Class 30.

410,671. DEHYDRATED POTATOES. IDAHO DEHYDRATED FOOD CO., New Plymouth, Idaho.
Filed January 10, 1944. Serial No. 466,445. PUBLISHED OCTOBER 3, 1944. Class 46.

410,672. SHAMPOO AND LANOLINE EUCALYPTUS COMPOUND FOR DRY HAIR, ITCHY SCALP, DUE TO DANDRUFF AND TO RE-CONDITIONED PERMANENTS AND BLEACHED HAIR. LUSTA-FOAME COMPANY, South Boston, Mass.
Filed February 19, 1944. Serial No. 467,568. PUBLISHED SEPTEMBER 26, 1944. Class 6.

410,673. PREPARATIONS IN POWDER AND CIGARETTE FORM FOR USE IN THE TREATMENT OF ASTHMATIC ATTACKS. THE J. H. GUILD COMPANY, INC., Rupert, Vt.
Filed February 29, 1944. Serial No. 467,846. PUBLISHED SEPTEMBER 26, 1944. Class 6.

410,674. MEDICINAL PREPARATION RECOMMENDED FOR USE IN PROPHYLAXIS AND TREATMENT OF CONDITIONS WHERE CALCIUM AND VITAMINS ARE INDICATED. HOFFMANN-LA ROCHE, INC., Nutley, N. J.
Filed March 7, 1944. Serial No. 468,031. PUBLISHED SEPTEMBER 26, 1944. Class 6.

410,675. CHEESE SPREAD. BLUE MOON FOODS, INC., Thorp, Wis.
Filed March 14, 1944. Serial No. 468,276. PUBLISHED OCTOBER 3, 1944. Class 46.

410,676. CHEWING GUM. AMERICAN CHEWING PRODUCTS CORP., Newark, N. J.
Filed April 21, 1944. Serial No. 469,528. PUBLISHED OCTOBER 3, 1944. Class 46.

410,677. HAIR TONIC. THE ODELL COMPANY, INC., Newark, N. J.
Filed April 25, 1944. Serial No. 469,647. PUBLISHED SEPTEMBER 26, 1944. Class 6.

410,678. METAL FLOOR AND WALL TILING. THE DURATILE CORPORATION, Mishawaka, Ind.
Filed April 26, 1944. Serial No. 469,674. PUBLISHED OCTOBER 3, 1944. Class 12.

410,679. ADDITIVE FOR MOTOR FUELS AND OILS CONSISTING OF A CONCENTRATED SOLUTION OF A BETA-DIKETONE OR KETONATE FOR IMPROVING THE COMBUSTION PROPERTIES OF THE FUEL. LEO CORPORATION, Chicago, Ill.
Filed May 12, 1944. Serial No. 470,201. PUBLISHED SEPTEMBER 26, 1944. Class 6.

410,680. SPRINKLER HEADS AND NOZZLES. WARREN F. WILHELM, doing business as New Products Laboratories, Chicago, Ill.
Filed May 24, 1944. Serial No. 470,590. PUBLISHED OCTOBER 3, 1944. Class 13.

410,681. PETROLEUM PRODUCTS—NAMELY, GASOLINE AND LUBRICATING OILS AND GREASES. J. A. HOOSHIRE & SON, INC., Indianapolis, Ind.
Filed May 26, 1944. Serial No. 470,663. PUBLISHED OCTOBER 3, 1944. Class 15.

410,682. FLUSH VALVES FOR WATER SUPPLY SYSTEMS. SLOAN VALVE COMPANY, Chicago, Ill.
Filed May 26, 1944. Serial No. 470,684. PUBLISHED OCTOBER 3, 1944. Class 13.

410,683. HAND BAGS, BILLFOLDS, POCKET SECRETARIES, COSMETIC BAGS, AND FRENCH PURSES. WALTER STERN, New York, N. Y.
Filed May 27, 1944. Serial No. 470,742. PUBLISHED OCTOBER 3, 1944. Class 3.

410,684. SODIUM HYPOCHLORITE SOLUTION. THE MIAMI PRODUCTS AND CHEMICAL COMPANY, Dayton, Ohio.
Filed June 1, 1944. Serial No. 470,837. PUBLISHED SEPTEMBER 26, 1944. Class 6.

410,685. CHEMICAL TONING SOLUTIONS USED IN THE DEVELOPMENT OF PHOTOGRAPHS. GRANT PHOTO PRODUCTS, INC., New York, N. Y.
Filed June 7, 1944. Serial No. 470,972. PUBLISHED SEPTEMBER 26, 1944. Class 6.

410,686. CHEMICAL TONING SOLUTIONS USED IN THE DEVELOPMENT OF PHOTOGRAPHS. GRANT PHOTO PRODUCTS, INC., New York, N. Y.
Filed June 7, 1944. Serial No. 470,973. PUBLISHED SEPTEMBER 26, 1944. Class 6.

410,687. HYDROLYZED CASEIN PRODUCT IN POWDER FORM TO BE USED FOR BACTERIOLOGICAL AND PHARMACEUTICAL PURPOSES. SHEFFIELD FARMS COMPANY, INC., New York, N. Y.
Filed June 8, 1944. Serial No. 471,054. PUBLISHED SEPTEMBER 26, 1944. Class 6.

410,688. OINTMENT FOR TOPICAL APPLICATION TO THE LIPS, CHIN AND NOSTRILS IN RELIEVING COLD SORES (HERPES). L. D. BRACKEN, doing business as Blistex Company, Seattle, Wash.
Filed June 9, 1944. Serial No. 471,068. PUBLISHED SEPTEMBER 26, 1944. Class 6.

410,689. FACE POWDER AND PERFUME. NATIONAL TOILET COMPANY, doing business at Merrit Distributors, Paris, Tenn.
Filed June 14, 1944. Serial No. 471,227. PUBLISHED SEPTEMBER 26, 1944. Class 6.

410,690. TOILET WATER. ORMONT DRUG & CHEMICAL CO., INC., Long Island City, N. Y.
Filed June 14, 1944. Serial No. 471,232. PUBLISHED SEPTEMBER 26, 1944. Class 6.

410,691. PREPARATION FOR THE RELIEF OF GAPES, INFLUENZA, BRONCHITIS AND OTHER RESPIRATORY TROUBLES IN POULTRY. FRED H. MOORE, doing business as Hilltop Laboratories, Minneapolis, Minn.
Filed June 15, 1944. Serial No. 471,268. PUBLISHED SEPTEMBER 26, 1944. Class 6.

410,692. INTESTINAL ASTRINGENT FOR POULTRY. FRED H. MOORE, doing business as Hilltop Laboratories, Minneapolis, Minn.
Filed June 15, 1944. Serial No. 471,270. PUBLISHED SEPTEMBER 26, 1944. Class 6.

410,693. POULTRY MEDICINE FOR COCCIDIOSIS AND BLACKHEAD CONTROL. FRED H. MOORE, doing business as Hilltop Laboratories, Minneapolis, Minn.
Filed June 15, 1944. Serial No. 471,271. PUBLISHED SEPTEMBER 26, 1944. Class 6.

410,694. WHEELED TOYS. AMERICAN DISTRIBUTORS CO., Toledo, Ohio.
Filed June 19, 1944. Serial No. 471,382. PUBLISHED OCTOBER 3, 1944. Class 22.

410,695. PHOTOGRAPHIC FIXING AGENTS. THE EDWAL LABORATORIES, INC., Chicago, Ill.
Filed June 24, 1944. Serial No. 471,595. PUBLISHED SEPTEMBER 26, 1944. Class 6.

410,696. ANESTHETIC. THE OHIO CHEMICAL & MFG. CO., Cleveland, Ohio.
Filed June 24, 1944. Serial No. 471,615. PUBLISHED SEPTEMBER 26, 1944. Class 6.

410,697. PHARMACEUTICAL PREPARATION FOR USE AS DISINFECTANT AND PARTICULARLY FOR LOCAL APPLICATION TO INFECTED WOUNDS. WALLACE & TIERNAN PRODUCTS, INC., Belleville, N. J.
Filed June 24, 1944. Serial No. 471,649. PUBLISHED SEPTEMBER 26, 1944. Class 6.

410,698. MEDICINAL PREPARATIONS IN TABLET FORM FOR PRODUCING VASODILATION IN ESSENTIAL HYPERTENSION AND ANGINA PECTORIS. R. J. STRASENBURGH COMPANY, Rochester, N. Y.
Filed June 27, 1944. Serial No. 471,717. PUBLISHED SEPTEMBER 26, 1944. Class 6.

410,699. MEDICINAL PREPARATIONS IN TABLET FORM ACTING AS A SPASMOLYTIC IN PYLOROSPASMS AND AS A RELAXANT OF SPASM IN BRONCHIAL ASTHMA. R. J. STRASENBURGH COMPANY, Rochester, N. Y.
Filed June 27, 1944. Serial No. 471,718. PUBLISHED SEPTEMBER 26, 1944. Class 6.

410,700. SHAMPOO. THE SWEDISH SHAMPOO LABORATORIES, Long Island City, N. Y.
Filed June 28, 1944. Serial No. 471,765. PUBLISHED SEPTEMBER 26, 1944. Class 6.

410,701. PERFUME EXTRACTS, TOILET WATER, FACE POWDERS, ROUGES, LIPSTICKS, MASCARA, EYEBROW PENCILS AND PERFUMERY. CARTIER, INC., New York, N. Y.
Filed July 1, 1944. Serial No. 471,862. PUBLISHED SEPTEMBER 26, 1944. Class 6.

410,702. KNOCKDOWN TOYS CONSISTING OF WOODEN BLOCKS, PANELS, RODS, AND WHEELS HAVING RELEASABLE INTERCONNECTING PORTIONS WHEREBY DIFFERENT TOY VEHICLES CAN BE FORMED. DIX MANUFACTURING CORP., Brooklyn, N. Y.
Filed July 1, 1944. Serial No. 471,868. PUBLISHED OCTOBER 3, 1944. Class 22.

410,703. BACTERIOCIDAL AND FUNGICIDAL COMPOSITIONS. PURATIZED, INC., New York, N. Y.
Filed July 1, 1944. Serial No. 471,879. PUBLISHED SEPTEMBER 26, 1944. Class 6.

410,704. DOG FOOD. R. W. CHRISTLER, Denver, Colo.
Filed July 3, 1944. Serial No. 471,895. PUBLISHED OCTOBER 3, 1944. Class 46.

410,705. KIT CONTAINING A CHEMICAL PROPHYLACTIC, INSTRUCTION SHEET, WASH CLOTH SATURATED WITH SOAP, AND CLEANSING TISSUE. UNITED STATES WAR DEPARTMENT, Washington, D. C.
Filed July 12, 1944. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 472,165. PUBLISHED OCTOBER 3, 1944. Class 44.

410,706. DENTURE LINERS. RELIANCE DENTAL MFG. CO., Chicago, Ill.
Filed July 22, 1944. Serial No. 472,535. PUBLISHED OCTOBER 3, 1944. Class 44.

410,707. SHOES MADE OF LEATHER, FABRIC, AND COMBINATIONS OF LEATHER, FABRIC, AND RUBBER. THE EDUCATOR SHOE CORPORATION OF AMERICA, New York, N. Y.
Filed July 25, 1944. Serial No. 472,618. Class 39.

410,708. SHOES MADE OF LEATHER, FABRIC, AND COMBINATIONS OF LEATHER, FABRIC, AND RUBBER. THE EDUCATOR SHOE CORPORATION OF AMERICA, New York, N. Y.
Filed July 25, 1944. Serial No. 472,619. Class 39.

410,709. LADIES' HANDBAGS. GOLD SEAL IMPORTERS, INC., New York, N. Y.
Filed August 1, 1944. Serial No. 472,810. PUBLISHED OCTOBER 3, 1944. Class 3.

410,710. LADIES' HANDBAGS. LOWY & MUND, New York, N. Y.
Filed August 9, 1944. Serial No. 473,104. PUBLISHED OCTOBER 3, 1944. Class 3.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

410,711. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THE GENERAL TIRE & RUBBER COMPANY, Akron, Ohio. Filed Apr. 7, 1943. Serial No. 459,686.

DEFLECT-O-GAUGE

FOR AIR PRESSURE GAUGE FOR TIRES.
Claims use since Mar. 5, 1943.

410,712. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FOXSTAND FOODS INCORPORATED, Boston, Mass. Filed July 20, 1943. Serial No. 462,182.

Old Newfields

FOR FROZEN FOOD PRODUCTS—NAMELY, CHOWDERS AND SAUCES IN PREPARED FORM READY TO HEAT AND SERVE—NAMELY, CLAM CHOWDER, SEAFOOD MIXTURES AND CHICKEN MIXTURES SIMILAR TO CHICKEN A LA KING.
Claims use since May 29, 1943.

410,713. (CLASS 39. CLOTHING.) MARTHA MAID MFG. CO., Chicago, Ill. Filed Aug. 27, 1943. Serial No. 463,048.

"8-GORE"



FOR WOMEN'S UNDERGARMENTS—NAMELY, SLIPS.
Claims use since Aug. 23, 1943.

410,714. (CLASS 12. CONSTRUCTION MATERIALS.) EMPIRE EMERY CORPORATION, New York, N. Y. Filed Sept. 17, 1943. Serial No. 463,451.

EMRIFLOORS

FOR CRUSHED EMERY FOR USE IN FLOORS.
Claims use since Sept. 1, 1943.

410,715. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) PAUL VAN DRIMMELEN, doing business as Franklin Optical Company, Buffalo, N. Y. Filed Sept. 24, 1943. Serial No. 463,660.

BEACH BLENDED LENSES

FOR EYEGLASS LENSES.
Claims use since July 1, 1939.

410,716. (CLASS 12. CONSTRUCTION MATERIALS.) WESTERN AUTO SUPPLY COMPANY, Los Angeles, Calif. Filed Oct. 4, 1943. Serial No. 463,897.

Westwood
Supreme Quality

FOR HOME HEAT INSULATION IN BULK FORM COMPOSED OF #2 GRADE WOOD PULP MAGAZINE PAPER AND ASBESTOS.
Claims use since Sept. 11, 1943.

410,717. (CLASS 39. CLOTHING.) ROSENBLUMS, Los Angeles, Calif. Filed Oct. 19, 1943. Serial No. 464,256.



The drawing accompanying this application is lined to indicate colors appearing in the actual woven labels herein referred to, specimens of which have been submitted. The broken horizontal lines indicate the background which is in silver-gray; the diagonal lines from upper left to lower right indicate the script shading and the stem and leaves of the flower (entwined with the company name) which are in green; the vertical lines indicate the flower, which is a red rose; and the surname "Rosenblums" appears in white as do the words "Tailored in California."

FOR MEN'S AND LADIES' SUITS, SPORT COATS AND TOP COATS, MEN'S SLACKS AND TROUSERS, AND LADIES' SPORT JACKETS.
Claims use since Oct. 1, 1943.

410,718. (CLASS 38. PRINTS AND PUBLICATIONS.) MCGRAW-HILL PUBLISHING COMPANY, INC., New York, N. Y. Filed Oct. 22, 1943. Serial No. 464,347.

CHEMICAL & METALLURGICAL ENGINEERING

FOR MAGAZINES PUBLISHED PERIODICALLY.
Claims use since 1919.

410,719. (CLASS 19. VEHICLES.) FAIRBANKS, MORSE & Co., Chicago, Ill. Filed Nov. 11, 1943. Serial No. 464,919.

Sheffield

FOR SELF-PROPELLED AND MANUALLY PROPELLED RAIL CARS.
Claims use since May 5, 1908.

410,720. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) CHARLESTON ELECTRICAL SUPPLY COMPANY, Charleston, W. Va. Filed Nov. 17, 1943. Serial No. 465,062.

MINELITE

FOR COMPLETE UNITARY MINE LOCOMOTIVE HEADLIGHT STRUCTURES EQUIPPED TO CARRY ELECTRIC LAMPS.
Claims use since Sept. 3, 1941.

410,721. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PAK-O-GUD BAKERY PRODUCTS, INC., Philadelphia, Pa. Filed Nov. 30, 1943. Serial No. 465,399.

PAK O GUD

FOR COOKIES.
Claims use since June 15, 1943.

410,722. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) IMPERIAL IMPORTERS, INC., Chicago, Ill. Filed Dec. 24, 1943. Serial No. 466,046.

PEARL RIVER

FOR WHISKEY.
Claims use since September 1943.

410,723. (CLASS 30. CROCKERY, EARTHENWARE, AND PORCELAIN.) SHAWNEE POTTERY COMPANY, Zanesville, Ohio. Filed Jan. 4, 1944. Serial No. 466,311.

Hand Painted
Essex China
UNDER THE GLAZE

FOR CERAMIC TABLE AND COOKING WARE.
Claims use since Sept. 16, 1943.

410,724. (CLASS 47. WINES.) CALIFORNIA WINE SALES, INC., Lodi, Calif., now by change of name Wine Growers Guild. Filed Jan. 29, 1944. Serial No. 466,978.

WINE MAKERS GUILD

FOR WINES.
Claims use since Oct. 15, 1943.

410,725. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) A. COHEN & SONS CORP., New York, N. Y. Filed Mar. 28, 1944. Serial No. 468,745.

LORD CROSBY

Applicant is the owner of Reg. No. 405,715.
FOR MEN'S DIAMOND RINGS AND WEDDING RINGS MADE OF 10 K. GOLD OR BETTER.
Claims use since February 1943.

410,726. (CLASS 12. CONSTRUCTION MATERIALS.) LUBRI-GEL PRODUCTS, McCracken, Kans. Filed Apr. 15, 1944. Serial No. 469,361.

LUBRI-SAL

FOR HYDROUS ALUMINUM SILICATE WHICH FORMS AN OIL OR GAS WELL MUD WHEN MIXED WITH WATER.
Claims use since Nov. 22, 1939.

410,727. (CLASS 30. CROCKERY, EARTHENWARE, AND PORCELAIN.) WEST COAST POTTERY, INC., Burbank, Calif. Filed Apr. 28, 1944. Serial No. 469,797.



FOR CERAMIC DINNER WARE, BOWLS, TRAYS, VASES.
Claims use since Mar. 15, 1940.

410,728. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) WALTER A. HARTWIG, doing business as Tots Toys, Milwaukee, Wis. Filed Apr. 29, 1944. Serial No. 469,811.



FOR TOY HORSES.
Claims use since December 1941.

410,729. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) WALTER A. HARTWIG, doing business as Tots Toys, Milwaukee, Wis. Filed Apr. 29, 1944. Serial No. 469,815.

TOTS TOYS

FOR TOY HORSES.
Claims use since December 1941.

410,730. (CLASS 12. CONSTRUCTION MATERIALS.) THE TREMCO MANUFACTURING COMPANY, Cleveland, Ohio. Filed June 15, 1944. Serial No. 471,292.

NO-AIR-IN

FOR MASTIC COATING FOR SEALING BOILER SETTINGS AND THE LIKE.
Claims use since Mar. 24, 1928.

410,731. (CLASS 39. CLOTHING.) CHERYL CHASE, INC., New York, N. Y. Filed July 1, 1944. Serial No. 471,865.

Cheryl Chase

FOR LADIES' AND MISSES' DRESSES, BLOUSES, OUTER SHORTS, SLACKS, SKIRTS, AND JACKETS.
Claims use since June 1, 1943.

410,732. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) BURMA-VITA COMPANY, Minneapolis, Minn. Filed July 3, 1944. Serial No. 471,891.

Burma-Shave

FOR SAFETY RAZOR BLADES.
Claims use since Feb. 1, 1938.

410,733. (CLASS 38. PRINTS AND PUBLICATIONS.) TOMPKINS' LABEL SERVICE, Philadelphia, Pa. Filed July 20, 1944. Serial No. 472,439.

HEAT-O-SEAL

FOR PRINTED LABELS.
Claims use since July 22, 1942.

410,734. (CLASS 38. PRINTS AND PUBLICATIONS.) VOLITANT PUBLISHING COMPANY, New York, N. Y. Filed July 21, 1944. Serial No. 472,485.

TRU-LIFE DETECTIVE Cases

FOR A MAGAZINE OF CRIME AND DETECTIVE STORIES.
Claims use since Sept. 27, 1941.

410,735. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) HUMANE COYOTE GETTER, INC., Las Animas, Colo. Filed July 25, 1944. Serial No. 472,614.

COYOTE GETTER

FOR A GROUND PLANTED AUTOMATIC BAIT-RELEASE OPERATED CHEMICAL EJECTOR FOR USE IN EXTERMINATING PREDATORY ANIMALS.
Claims use since Aug. 22, 1941.

410,736. (CLASS 38. PRINTS AND PUBLICATIONS.) DALY TICKET COMPANY, Collinsville, Ill. Filed Sept. 7, 1944. Serial No. 473,935.

Daly's

FOR MINERS' PRINTED CHECKS IN BOOK AND ROLL FORM.
Claims use since 1934.

410,737. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) WILLSON PRODUCTS, INC., Reading, Pa. Filed Oct. 5, 1944. Serial No. 474,972.

SUPER-TOUGH

FOR OPHTHALMIC LENSES.
Claims use since 1920.

TRADE-MARK REGISTRATIONS RENEWED

26,462. **BERMALINE.** FLAVORING MATERIALS FOR USE AS INGREDIENTS IN FOOD. Registered April 23, 1895. MONTGOMERIE & COMPANY, LIMITED, Glasgow, Scotland, a company organized under the laws of Great Britain. Re-renewed April 23, 1945.

188,357. **HERCULES.** FLOATS AND AIR CHAMBERS. Registered August 26, 1924. FRANK ENGELHARD & SONS, doing business as Hercules Float Works. Renewed August 26, 1944, to William A. Engelhard, doing business as Hercules Float Works, Springfield, Mass., assignee.

189,936. **RICH.** LARD, PIGS' FEET, BACON, HAM, BOILED HAM, COTTAGE HAM, PICNIC HAM, DEVILED HAM, BACON SQUARES, BRISKET BACON, DRIED BEEF, BAKED LOAF, AND BRICK CHILI. Registered September 30, 1924. C. E. RICHARD & SONS, Muscatine, Iowa, a firm. Renewed September 30, 1944.

190,682. **GENUPARTS.** AUTOMOBILE ENGINES, INTERNAL-COMBUSTION MOTORS, PISTONS, PISTON PINS, POPPET AND ENGINE VALVES, GEARS, TIMING GEARS, PINIONS, CRANK SHAFTS, CONNECTING RODS, BEARINGS, FLYWHEELS, FLYWHEEL HOUSINGS, CLUTCHES, CLUTCH SHIFTERS, CYLINDER CASINGS AND HEADS, PUMPS, PLUNGERS, CRANK CASES, GEAR CASES, AND OTHER CERTAIN NAMED MOTOR PARTS AND ACCESSORIES. Registered October 21, 1924. SUPERIOR MOTOR PARTS COMPANY. Renewed October 21, 1944, to Superior Motor Parts Company, Pittsburgh, Pa., a firm, assignee.

190,843. **"FORT" AND DRAWING.** POTATOES IN THEIR NATURAL STATE. Registered October 28, 1924. REED BROS. Renewed October 28, 1944, to Reed Bros., Inc., Fort Fairfield, Maine, a corporation of Maine, assignee.

190,910. **WESBRO.** GREEN COFFEE. Registered October 28, 1924. WESTFELDT BROTHERS, New Orleans, La., a firm. Renewed October 28, 1944.

191,143. **PRESIDENTIAL.** WOOLEN PIECE GOODS. Registered November 4, 1924. BILHUBER-WAWAK COMPANY. Renewed November 4, 1944, to Wawak Company, Inc., Chicago, Ill., a corporation of Illinois, successor.

191,210. **SHAKANDA.** WOOLEN GOODS IN THE PIECE. Registered November 4, 1924. WORUMBO MANUFACTURING COMPANY, Bath, Maine. Renewed November 4, 1944, to Worumbo Manufacturing Company, Lisbon Falls, Maine, a corporation of Maine.

191,211. **FRANBILL.** WOOLEN PIECE GOODS. Registered November 4, 1924. BILHUBER-WAWAK COMPANY. Renewed November 4, 1944, to Wawak Company, Inc., Chicago, Ill., a corporation of Illinois, successor.

191,212. **WEIGHMORE.** WOOLEN PIECE GOODS. Registered November 4, 1924. BILHUBER-WAWAK COMPANY. Renewed November 4, 1944, to Wawak Company, Inc., Chicago, Ill., a corporation of Illinois, successor.

191,220. **KILMARNIK.** WOOLEN PIECE GOODS. Registered November 4, 1924. BILHUBER-WAWAK COMPANY. Renewed November 4, 1944, to Wawak Company, Inc., Chicago, Ill., a corporation of Illinois, successor.

191,423. **"GET IT AT THE DRUG STORE" AND DRAWING.** WRAPPING PAPER. Registered November 11, 1924. ORONO PULP & PAPER COMPANY, Bangor, Maine. Renewed November 11, 1944, to Eastern Corporation, Brewer, Maine, a corporation of Maine, assignee.

191,520. **HOMELAWN.** LAWN-GRASS SEED. Registered November 11, 1924. NORTHRUP, KING & CO., Minneapolis, Minn., a corporation of Minnesota. Renewed November 11, 1944.

191,553. **"INK OUT" AND DESIGN.** CHEMICAL PREPARATION FOR USE AS AN INK ERADICATOR. Registered November 11, 1924. JOHN D. CARDINELL, doing business as Cardinell-Sales Co., Assor. to Ink-Out Mfg. Co., Inc. Renewed November 11, 1944, to Cardinell Corporation, Montclair, N. J., a corporation of New Jersey, assignee by mesne assignments.

191,750. **"WORTH FIGHTING FOR" AND DRAWING.** CANNED CORN. Registered November 18, 1924. BIG STONE CANNING CO. Renewed November 18, 1944, to Big Stone Canning Co., Ortonville, Minn., a corporation of Delaware, successor.

191,832. **RUNKOMALT.** CHOCOLATE-FLAVORED MALT FOOD PREPARATION. Registered November 18, 1924. RUNKEL BROTHERS, INC. Renewed November 18, 1944, to Lamont, Corliss & Company, New York, N. Y., a corporation of New York, assignee by mesne assignments.

191,918. **JONES EXCELSIOR.** MEDICINAL PREPARATION RECOMMENDED FOR USE IN THE TREATMENT OF MALARIA AND CHILLS. Registered November 25, 1924. EDWIN M. MURPHEY, Macon, Miss. Renewed November 25, 1944.

192,004. **PAN-AM.** GASOLINE, LUBRICATING OILS, AND GREASES. Registered November 25, 1924. MEXICAN PETROLEUM CORPORATION OF LOUISIANA, INC., New Orleans, La. Renewed November 25, 1944, to The American Oil Company, New York, N. Y., a corporation of Maryland, successor.

192,155. **"ATLANTIC MOTOR OIL N. C." AND DRAWING.** LUBRICATING OILS, MOTOR OILS, AND OILS FOR PREVENTING CHATTERING IN BRAKE MECHANISMS ON AUTOMOBILES AND FORD CARS. Registered November 25, 1924. THE ATLANTIC REFINING COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed November 25, 1944.

192,261. **STRENGTHTEX.** HOSIERY. Registered December 2, 1924. MCLELLAN STORES COMPANY, New York, N. Y., a corporation of Delaware. Renewed December 2, 1944.

192,271. **"WHITE MOUNTAIN" AND DRAWING.** GINGER ALE, A NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGE SOLD AS A SOFT DRINK, AND SIRUP FOR MAKING THE SAME. Registered December 2, 1924. HYDROX CORPORATION, Chicago, Ill., a corporation of Delaware. Renewed December 2, 1944.

192,721. **"MARTHA WHITE" AND DRAWING.** SOFT-WHEAT SHORT PATENT PLAIN FLOUR. Registered December 9, 1924. ROYAL MILLING COMPANY. Renewed December 9, 1944, to Royal Flour Company, Nashville, Tenn., a firm, successor.

193,674. **GMC.** MOTOR-DRIVEN TRUCKS. Registered January 6, 1925. GENERAL MOTORS CORPORATION, Detroit, Mich., a corporation of Delaware. Renewed January 6 1945.

193,701. **"UNGUENTO GUARDIAS" ETC., AND DRAWING.** OINTMENT AND A REMEDY FOR DISEASES OF THE BLOOD. Registered January 6, 1925. GUARDIAS OINTMENT CO. INC., New York, N. Y., a corporation of New York. Renewed January 6, 1945.

193,730. **FOOD SERVICE.** MONTHLY PUBLICATIONS. Registered January 6, 1925. AHRENS PUBLISHING COMPANY, INCORPORATED, New York, N. Y., a corporation of New York. Renewed January 6, 1945.

193,950. **"SHUR FOOT" AND DRAWING.** HEELS OF RUBBER, FABRIC, OR COMBINATIONS THEREOF FOR ATTACHMENT TO BOOTS AND SHOES. Registered January 13 1925. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio, a corporation of Ohio. Renewed January 13, 1945.

193,953. **REPRESENTATION OF A FARM SCENE.** MILK CHOCOLATE. Registered January 13, 1925. LAMONT, CORLISS & COMPANY, New York, N. Y., a corporation of New York. Renewed January 13, 1945.

194,124. **"WHITE SWAN" AND DRAWING.** UNIFORM DRESSES, HOUSE DRESSES, PORCH DRESSES, DAYTIME FROCKS, BATH ROBES, EVENING DRESSES, STREET DRESSES, CLOAKS, SUITS, WAISTS, AND NIGHT DRESSES. Registered January 13, 1925. LEO M. COOPER, doing business as Leo M. Cooper Company. Renewed January 13, 1945, to White Swan Uniforms, Inc., New York, N. Y., a corporation of New York, assignee.

194,200. **"MEND-RITE" AND DESIGN.** FAN BELTS, RUBBER AND FABRIC PATCHES, AND BLOW OUT PATCHES. Registered January 20, 1925. PERLEY L. KNICK, doing business as Knick's Mend-Rite Mfg. Co., Kansas City, Mo. Renewed January 20, 1945, to Knick's Mend-Rite Co., North Kansas City, Mo., a partnership, successor.

194,306. **NADA.** MISSES' AND GIRLS' FURNISHINGS, UNDERGARMENTS, AND CLOTHING—NAMELY, DRESSES, CORSETS, TAILORED SUITS, WALKING SUITS, SPORT SUITS, GOLF SUITS, RIDING SUITS, NEGLIGEES, SKIRTS, NIGHTGOWNS, PETTICOATS, GLOVES, BODICES, CHEMISES, DRAWERS, COMBINATIONS, BATH ROBES, SHIRT WAISTS, DRESSING GOWNS, SWEATERS, MUFFLERS, HOSIERY, RAIN COATS, SPORT COATS, HATS, CAPS, AND CERTAIN OTHER NAMED ARTICLES OF CLOTHING. Registered January 20, 1925. BEST & CO., INC., New York, N. Y., a corporation of New York. Renewed January 20, 1945.

194,494. **"POINTER" AND DRAWING.** MEN'S HALF HOSE. Registered January 27, 1925. POINTER HOSIERY CO. Renewed January 27, 1945, to Adams-Millis Corporation, High Point, N. C., a corporation of North Carolina, successor.

194,812. **MERE.** FOOD FLAVORING EXTRACTS. Registered February 10, 1925. CENTRAL SPECIALTY PRODUCTS COMPANY, Navarre, Kans. Renewed February 10, 1945, to Central Specialty Products Company, Wichita, Kans., a firm.

194,868. **"SHUN" AND DESIGN.** DEODORANT IN PASTE FORM. Registered February 10, 1925. NEWBRO MANUFACTURING CO. Renewed February 10, 1945, to Newbro Manufacturing Company, Atlanta, Ga., a corporation of Georgia, assignee by mesne assignments.

195,133. **"B" AND DESIGN.** POLISHING WHEELS AND FELTS THEREFOR. Registered February 17, 1925. EASTERN FELT COMPANY, Winchester, Mass., a corporation of Massachusetts. Renewed February 17, 1945.

195,134. **"C" AND DESIGN.** POLISHING WHEELS AND FELTS THEREFOR. Registered February 17, 1925. EASTERN FELT COMPANY, Winchester, Mass., a corporation of Massachusetts. Renewed February 17, 1945.

195,135. **"D" AND DESIGN.** POLISHING WHEELS AND FELTS THEREFOR. Registered February 17, 1925. EASTERN FELT COMPANY, Winchester, Mass., a corporation of Massachusetts. Renewed February 17, 1945.

195,136. **"E" AND DESIGN.** POLISHING WHEELS AND FELTS THEREFOR. Registered February 17, 1925. EASTERN FELT COMPANY, Winchester, Mass., a corporation of Massachusetts. Renewed February 17, 1945.

195,173. **LUXAGLOSS.** READY MIXED PAINTS, VARNISHES AND ENAMELS. Registered February 17, 1925. BAKER PAINT & VARNISH CO., Jersey City, N. J., a corporation of New Jersey. Renewed February 17, 1945.

195,174. **HOME-TOWN.** READY MIXED PAINTS AND VARNISHES. Registered February 17, 1925. BAKER PAINT & VARNISH CO., Jersey City, N. J., a corporation of New Jersey. Renewed February 17, 1945.

195,309. **"SATIN TINT" AND DESIGN.** DRY POWDER CALCIMINE. Registered February 24, 1925. WEST COAST KALSOMINE COMPANY. Renewed February 24, 1945, to Wesco Waterpaints, Inc., Berkeley, Calif., a corporation of California, by change of name.

195,318. **TRICONESE.** FABRIC GLOVES; KNITTED OR TEXTILE UNDERWEAR FOR MEN, WOMEN, AND CHILDREN; AND HOSIERY. Registered February 24, 1925. JULIUS KAYSER & CO., New York, N. Y., a corporation of New York. Renewed February 24, 1945.

195,487. **"OLD FORGE" AND DRAWING.** COAL. Registered February 24, 1925. LELAND COAL MINING COMPANY, doing business as Old Forge Smithing Coal Company. Renewed February 24, 1945, to Dexter-Carpenter Coal Company, Inc., of New York, N. Y., a corporation of New York, assignee.

195,751. **TWO HANDS WITHIN A GEOMETRICAL FIGURE.** VENDING MACHINES. Registered March 3, 1925. THE COLUMBUS VENDING COMPANY, Columbus, Ohio, a corporation of Ohio. Renewed March 3, 1945.

195,842. **702.** PLUMBAGO. Registered March 3, 1925. THE S. OBERMAYER CO., Chicago, Ill., a corporation of Ohio. Renewed March 3, 1945.

195,858. **KORFUND.** SUBEROUS INSULATING SOUND-DEADENING MATERIAL. Registered March 3, 1925. THE KORFUND COMPANY, New York, N. Y. Renewed March 3. 1945, to The Korfund Company, Inc., Long Island City, N. Y., a corporation of New York.

195,893. **CHARM SHOP.** CHINAWARE, POTTERY, CROCKERY, PORCELAINS, AND COMBINATIONS OF THE SAME. Registered March 3, 1925. L. BAMBERGER & CO., Newark, N. J., a corporation of New Jersey. Renewed March 3, 1945.

196,043. **"SAMPSON" AND DRAWING.** FRESH APPLES. Registered March 10, 1925. E. C. SAMPSON, Wenatchee, Wash. Renewed March 10, 1945.

196,360. **DURAWEAVE.** SILK STRIPE SHIRTINGS. Registered March 17, 1925. COHN-HALL-MARX CO., New York, N. Y., a corporation of New York. Renewed March 17, 1945.

196,396. **FASTEST.** COTTON PIECE GOODS. Registered March 17, 1925. COHN-HALL-MARX CO., New York, N. Y., a corporation of New York. Renewed March 17, 1945.

196,497. **GOLDEN STRAND.** CANNED FRUITS, CANNED VEGETABLES, DRIED FRUITS, COFFEE, TEA, SPICES, FLAVORING EXTRACTS FOR FOOD PURPOSES, VINEGAR. Registered March 17, 1925. DALTON-HOAGLAND CO., Long Beach, Calif. Renewed March 17, 1945, to Sun Harbor Packing Company, San Diego, Calif., a corporation of California, assignee by mesne assignments.

196,509. **CHLORIDE.** BATTERY PLATES OR ELEMENTS. Registered March 17, 1925. THE ELECTRIC STORAGE BATTERY COMPANY, Philadelphia, Pa., a corporation of New Jersey. Renewed March 17, 1945.

196,610. **"D" AND DRAWING.** ELEMENTS OF CIGARETTE MACHINERY—NAMELY, CIGARETTE KNIVES AND CIGARETTE BANDS. Registered March 24, 1925. HENRY DISSTON & SONS, INCORPORATED, Tacony, Philadelphia, Pa., a corporation of Pennsylvania. Renewed March 24, 1945.

196,719. **DIF.** CHEMICAL COMPOUND TO BE USED IN ASSOCIATION WITH WATER FOR CLEANING GLASSWARE, SILVERWARE, PORCELAIN SURFACES OR PAINTED FLOOR SURFACES, AND FOR LAUNDRY WORK. Registered March 24, 1925. DIF CORPORATION, Brooklyn, N. Y. Renewed March 24, 1945, to Dif Corporation, Garwood, N. J., a corporation of Delaware.

196,728. **FULLER.** COMBS MADE OF CELLULOID OR SIMILAR MATERIAL. Registered March 24, 1925. THE FULLER BRUSH COMPANY, Hartford, Conn., a corporation of Connecticut. Renewed March 24, 1945.

196,807. **"VALKYRIE" AND DRAWING.** BOOK PAPERS, COVER PAPERS, AND CATALOGUE PAPERS. Registered March 31, 1925. BERGSTROM PAPER COMPANY, Neenah, Wis., a corporation of Wisconsin. Renewed March 31, 1945.

196,823. **SILKFOLD.** PRINTING PAPER. Registered March 31, 1925. S. D. WARREN COMPANY, Boston, Mass., a corporation of Massachusetts. Renewed March 31, 1945.

196,900. **JADE.** CANDY. Registered March 31, 1925. E. A. HOFFMAN CANDY CO., INC., Los Angeles, Calif., a corporation of California. Renewed March 31, 1945.

196,993. **"COLLEGIENNE" AND DESIGN.** SHOES OF LEATHER, RUBBER, FABRIC, AND COMBINATIONS; GIRLS' AND JUNIOR GIRLS' HATS; AND GIRLS' AND JUNIOR GIRLS' COATS, SUITS, DRESSES, SWEATERS, SKIRTS, AND BLOUSES. Registered April 7, 1925. BULLOCK'S. Renewed April 7, 1945, to Bullock's Inc., Los Angeles, Calif., a corporation of Delaware, assignee.

197,016. **"UNITED WORKINGMEN" AND DESIGN.** LEATHER SHOES. Registered April 7, 1925. BUCKINGHAM & HECHT, San Francisco, Calif., a corporation of California. Renewed April 7, 1945.

197,017. **"BEST BET" AND DESIGN.** WORK SHIRTS. Registered April 7, 1925. SALANT & SALANT, INC., New York, N. Y. Renewed April 7, 1945, to Rice-Stix Dry Goods Company, St. Louis, Mo., a corporation of Missouri, assignee.

197,053. **"WOR" AND DESIGN.** CIGARS. Registered April 7, 1925. L. BAMBERGER & CO., Newark, N. J., a corporation of New Jersey. Renewed April 7, 1945.

197,086. **"KEENE" AND DRAWING.** COAL. Registered April 7, 1925. BAIR-COLLINS CO., Roundup, Mont., a corporation of Montana. Renewed April 7, 1945.

197,192. **REPRESENTATION OF A LADY HAVING HER HAIR DRESSED.** FACE POWDER, COMPACT FACE POWDER USED AS REFILLERS, VANISHING CREAM, SKIN AND TISSUE CREAM, BATH CRYSTALS, BRILLIANTINE, CLEANSING CREAM, TALCUM POWDER, AND DUSTING POWDER. Registered April 14, 1925. RICHARD HUDNUT, New York, N. Y., a corporation of New York. Renewed April 14, 1945.

197,205. **DE WITT'S.** PREPARATIONS FOR INTERNAL AND EXTERNAL USE IN VARIOUS FORMS RECOMMENDED FOR PREVENTING OR CORRECTING DISORDERS OF CERTAIN NAMED ORGANS; ALSO PREPARATIONS RECOMMENDED FOR THE TREATMENT OF CERTAIN NAMED AILMENTS; AND OTHER NAMED MEDICINAL AND TOILET PREPARATIONS. Registered April 14, 1925. E. C. DE WITT & CO. INC., Chicago, Ill., a corporation of New York. Renewed April 14, 1945.

197,217. **ROMANCE.** SILVER-PLATED FLAT TABLEWARE. Registered April 14, 1925. INTERNATIONAL SILVER COMPANY, Meriden and Bridgeport, Conn. Renewed April 14, 1945, to International Silver Company, Meriden, Conn., a corporation of New Jersey

197,264. **BLAKRAFT.** EARRINGS, BRACELETS, BAR PINS, HAT ORNAMENTS, WATCH FOBS, FRAMES FOR HAND BAGS, COLLAR AND CUFF BUTTONS, AND BREAST PINS OR BROACHES ALL MADE WHOLLY OR IN PART OF PRECIOUS METAL; AND STRUNG BEADS AND NECKLACES OF JEWELS, BEADS, OR WHOLLY OR IN PART OF PRECIOUS METAL. Registered April 14, 1925. BLACHER BROTHERS, Providence, R. I., a firm. Renewed April 14, 1945.

197,287. **FAIRFIELD.** SILVER-PLATED FLAT TABLEWARE. Registered April 14, 1925. INTERNATIONAL SILVER COMPANY, Meriden and Bridgeport, Conn. Renewed April 14, 1945, to International Silver Company, Meriden, Conn., a corporation of New Jersey.

197,314. **REPRESENTATION OF A LADY HAVING HER HAIR DRESSED.** SOAP. Registered April 14, 1925. RICHARD HUDNUT, New York, N. Y., a corporation of New York. Renewed April 14, 1945.

197,362. **CARDINAL.** FRESH CANTALOUPES AND LETTUCE. Registered April 14, 1925. MARTIN C. WAHL, El Centro, Calif. Renewed April 14, 1945.

197,387. **CHARM.** CIGARETTES. Registered April 14, 1925. L. BAMBERGER & CO., Newark, N. J., a corporation of New Jersey. Renewed April 14, 1945.

197,391. **KEMP'S BALSAM.** PREPARATION FOR THE TREATMENT OF COUGHS, COLDS, AND THROAT TROUBLES. Registered April 14, 1925. KEMP & LANE, INC., Le Roy, N. Y., a corporation of New York. Renewed April 14, 1945.

197,413. **"SMITH" AND DESIGN.** ROUGH RICE, CLEAN RICE, RICE BRAN, RICE POLISH, RICE CHICKEN FEED, AND MIXED FEEDS. Registered April 14, 1925. SMITH RICE MILL COMPANY, De Witt, Ark., a corporation of Arkansas. Renewed April 14, 1945.

197,482. **REPRESENTATION OF A SUN AND MOUNTAIN SCENE.** PREPARATIONS FOR INTERNAL AND EXTERNAL USE IN VARIOUS FORMS RECOMMENDED FOR PREVENTION OR CORRECTING DISORDERS OF CERTAIN NAMED ORGANS; ALSO PREPARATIONS RECOMMENDED FOR THE TREATMENT OF CERTAIN NAMED AILMENTS; AND OTHER NAMED MEDICINAL AND TOILET PREPARATIONS. Registered April 21, 1925. E. C. DE WITT & CO. INC., Chicago, Ill., a corporation of New York. Renewed April 21, 1945.

197,538. **"HOPEWELL KRAFT" AND DRAWING.** WRAPPING PAPER. Registered April 21, 1925. HUMMEL-ROSS FIBRE CORPORATION, Hopewell, Va., a corporation of Virginia. Renewed April 21, 1945.

197,550. **PLEDGE-WORTH.** SUITS, FOR MEN, YOUNG MEN, AND YOUTHS. Registered April 21, 1925. BOYD-RICHARDSON COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed April 21, 1945.

197,551. **"RED STREAK" AND DESIGN.** MACHINE KNIVES. Registered April 21, 1925. SIMONDS SAW AND STEEL COMPANY, Fitchburg, Mass., a corporation of Massachusetts. Renewed April 21, 1945.

197,578. **"ST. JAMES" AND DESIGN.** ATHLETIC AND SPORTS CLOTHING—NAMELY, CAPS, COATS, VESTS, TROUSERS, OUTER SHIRTS, SLICKERS, AND STOCKINGS. Registered April 21, 1925. JOHN WANAMAKER PHILADELPHIA, Philadelphia, Pa., a corporation of Pennsylvania. Renewed April 21, 1945.

197,579. **"RANELAGH" AND DESIGN.** ATHLETIC AND SPORTS CLOTHING—NAMELY, CAPS, COATS, VESTS, TROUSERS, OUTER SHIRTS, SLICKERS, AND STOCKINGS. Registered April 21, 1925. JOHN WANAMAKER PHILADELPHIA, Philadelphia, Pa., a corporation of Pennsylvania. Renewed April 21, 1945.

197,580. **BUCKS.** ATHLETIC AND SPORTS CLOTHING—NAMELY, CAPS, COATS, VESTS, TROUSERS, OUTER SHIRTS, SLICKERS, AND STOCKINGS. Registered April 21, 1925. JOHN WANAMAKER PHILADELPHIA, Philadelphia, Pa., a corporation of Pennsylvania. Renewed April 21, 1945.

197,604. **TEMPLE.** CANNED TOMATOES. Registered April 21, 1925. THE UTAH CANNING COMPANY, Ogden, Utah, a corporation of Utah. Renewed April 21, 1945.

197,623. **REPRESENTATION OF LADY BEING FITTED WITH SHOES.** FOOT CORRECTIVE APPLIANCES—TO WIT, ARCH SUPPORTS AND PARTS THEREOF, TOE SEPARATORS AND STRAIGHTENERS, HEEL SUPPORTS, CUSHIONS, AND STRAIGHTENERS, ANKLE SUPPORTS, BUNION REDUCERS, BUNION SPRINGS, HAMMER TOE SPRINGS, CORN AND BUNION PADS. Registered April 21, 1925. SCHOLL MANUFACTURING COMPANY, INC. Renewed April 21, 1945, to The Scholl Mfg. Co., Inc., Chicago, Ill., a corporation of New York, by change of name.

197,625. **TUKKIN.** GREETING CARDS. Registered April 21, 1925. RUST CRAFT PUB. INC., Boston, Mass., a corporation of Massachusetts. Renewed April 21, 1945.

197,626. **SARANAC.** LEATHER MITTENS AND GLOVES. Registered April 21, 1925. SARANAC GLOVE COMPANY, Littleton, N. H., a corporation of New Hampshire. Renewed April 21, 1945.

197,646. **URECO.** DROP BRAKE SHAFTS, GEARED BRAKES, DROP-HANDLE RATCHET BRAKES, COUPLER-CENTERING DEVICES, COUPLER-RELEASE RIG BRACKETS AND CONNECTIONS, FREIGHT-CAR TANK SUPPORTS, FREIGHT-CAR HANDHOLE COVERS, FREIGHT-CAR METAL LADDERS, FREIGHT-CAR METAL ROOFS, AND FREIGHT-CAR COLLAPSIBLE REFRIGERATOR BULKHEADS. Registered April 21, 1925. UNION RAILWAY EQUIPMENT CO., Chicago, Ill., a corporation of Illinois. Renewed April 21, 1945.

197,658. **LA MADALON.** OLIVE OIL. Registered April 21, 1925. BREWER & COMPANY, INC., Worcester, Mass., a corporation of Massachusetts. Renewed April 21, 1945.

197,689. **ETHIS.** COTTON PIECE GOODS—NAMELY, COTTON CRÊPE. Registered April 21, 1925. LIBERTY & CO., LIMITED, London, England, a company incorporation in the United Kingdom of Great Britain. Renewed April 21, 1945.

197,692. **VENETIAN.** AWNING STRIPES AND TICKING MADE OF COTTON, LINEN, COTTON DAMASK, AND COMBINATIONS OF COTTON AND LINEN. Registered April 21, 1925. JOHN BOYLE & COMPANY, INCORPORATED, New York, N. Y., a corporation of New York. Renewed April 21, 1945.

197,706. **"YALE" AND DESIGN.** MEN'S, BOYS', GIRLS' TEXTILE ATHLETIC UNION SUITS, SHIRTS AND DRAWERS, NIGHTSHIRTS, PYJAMAS, CHILDREN'S SLEEPERS, AND SLEEPING PYJAMAS. Registered April 21, 1925. ISIDOR PANITZ, doing business as Yale Underwear Co., Baltimore, Md. Renewed April 21, 1945, to Herman Heller, New York, N. Y., assignee.

197,712. **ARGYLE.** HOSIERY. Registered April 21, 1925. THE DONALD COMPANY, Grand Island, Neb., a corporation of Nebraska. Renewed April 21, 1945.

197,735. **DIATOL.** SOLVENTS IN SOLVENT MIXTURES, AND MORE PARTICULARLY THOSE INCLUDING ALCOHOL OR ETHYL ACETATE OR BENZOL OR DIETHYL CARBONATE, AND ADAPTED FOR USE IN MAKING SOLUTIONS OF CELLULOSE DERIVATIVES, RESINS, WOOD AND METAL LACQUERS, ARTIFICIAL LEATHER, AND FILMS. Registered April 21, 1925. U. S. INDUSTRIAL CHEMICAL CO., Baltimore, Md. Renewed April 21, 1945, to U. S. Industrial Chemicals, Inc., New York, N. Y., a corporation of Delaware, assignee.

197,728. **GOLD CUP.** FRESH CITRUS FRUITS. Registered April 21, 1925. REDLANDS HEIGHTS GROVES, INC. Renewed April 21, 1945, to Redlands Heights Groves, Redlands, Calif., a corporation of California, assignee.

197,740. **"RABBIT BABBITT" AND DRAWING.** BABBITT METAL. Registered April 21, 1925. THE AMERICAN CRUCIBLE PRODUCTS CO., Elyria, Ohio. Renewed April 21, 1945, to The American Crucible Products Co., Lorain, Ohio, a corporation of Ohio

197,747. **"TUF-BOY" AND DRAWING.** SHEET ROOFING CONTAINING ASPHALT. Registered April 21, 1925. COMMERCIAL SELLING CO. INC., Brooklyn, N. Y., a corporation of New York. Renewed April 21, 1945.

197,748. **"JIFFY" AND DESIGN.** DRY PASTES. Registered April 21, 1925. PENN PASTE MILLING COMPANY. Renewed April 21, 1945, to Miner Hillard Milling Co., Wilkes-Barre, Pa., a corporation of Pennsylvania, assignee.

197,823. **YUCCA.** FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, GRAPEFRUIT. Registered April 28, 1925. MUTUAL ORANGE DISTRIBUTORS, Redlands, Calif., a corporation of California. Renewed April 28, 1945.

REISSUES

DECEMBER 12, 1944

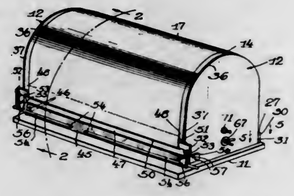
22,575

PHOTOPRINTING DEVICE

Arthur L. Creange, Chicago, Ill., assignor to American Photocopy Equipment Co., Chicago, Ill., a partnership composed of Jos. S. Lederer and Arthur L. Creange

Original No. 2,335,742, dated November 30, 1943, Serial No. 444,217, May 23, 1942. Application for reissue March 13, 1944, Serial No. 526,280

10 Claims. (Cl. 95—77.5)



8. In a photoprinting device which includes a base, a translucent curved work support attached to said base, a light source disposed at the axial center of said curved work support, a flexible substantially inextensible curtain dimensioned to overlie coextensively said curved work support, means anchoring one end of said curtain substantially contiguous with a generatrix of the curve of said support, a rigid bar secured to the opposite end of said curtain, a latching bar parallel to said rigid bar, a pair of fixed latching lugs for engagement by said latching bar and anchored to said support, and a plurality of springs connecting said rigid bar to said latching bar.

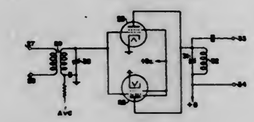
22,576

HIGH-FREQUENCY SIGNAL-TRANSLATING STAGE

Robert L. Freeman, Flushing, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware

Original No. 2,188,504, dated January 30, 1940, Serial No. 236,540, October 22, 1938. Application for reissue April 29, 1941, Serial No. 390,971

25 Claims. (Cl. 179—171)



15. An electron discharge device having a cathode and a coaxial anode surrounding said cathode, a space-charge grid adjacent said cathode but extending along only a portion of the cathode surface, and a control electrode surrounding said cathode and space-charge grid and coextensive with the cathode surface and positioned between said space-charge grid and said anode over said portion of said cathode surface and positioned next to said cathode over the remaining portion of said cathode surface.

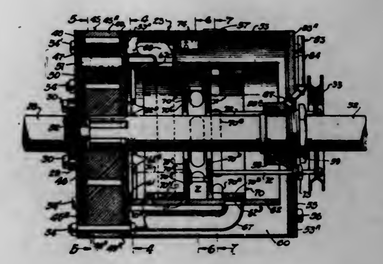
22,577

HYDRAULIC CLUTCH

Albert N. Thomas, Dodge City, Kans., assignor to Thomas Hydraulic Speed Controls, Incorporated, Dodge City, Kans., a corporation of Kansas

Original No. 2,329,230, dated September 14, 1943, Serial No. 307,207, December 2, 1939. Application for reissue January 20, 1944, Serial No. 519,063

22 Claims. (Cl. 192—61)

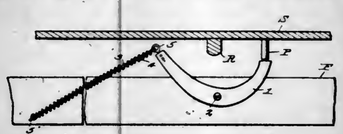


1. In combination, rotary power-driven means, a driven shaft, and a hydraulic power-transmission mechanism operatively connected to said power-driven means, said mechanism including a rotatable casing having a chamber therein partially filled with oil, fluid pumping means operatively connected with said casing, said driven shaft extending into said casing and being operatively connected to said fluid pumping means, a fluid intake passage, an exhaust passage, said passages communicating with said fluid pumping means and said chamber, and an axially slidable valve for controlling fluid circulation through said passages and said pumping means actuable to permit inflow and outflow of air or of mixtures of air and oil or of oil or of neither through said passages and said pumping means to thereby control the stationary position or relative rotations of said driven shaft during the rotation of said power-driven means.

22,578
PIANO
Archie Mitchell Tyson, Dallas, Tex.
Original No. 2,287,503, dated June 23, 1942, Serial No. 405,088, August 1, 1941. Application for reissue April 24, 1944, Serial No. 532,763
4 Claims. (Cl. 84—189)

1. In a stringed musical instrument the combination with a frame, and a sounding board having a string side and a back side, of a spring connected at one end only to the instrument frame and having a vibratory portion substantially parallel with the sounding board, and thrust-transmitting means between the other end of the spring and the back side of the sounding board.

4. In a stringed musical instrument the combination with a sounding board, of a hum-producing spring at one side of the sounding board,

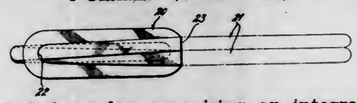


and means for transmitting vibrations between the vibrating portion of the sounding board and the spring, said means including an anchoring connection at one end of the spring.

PATENTS

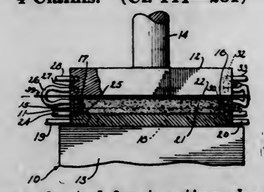
GRANTED DECEMBER 12, 1944

2,364,596
HAIR CURLER
Doriane Archer, Los Angeles, Calif.
Application February 13, 1942, Serial No. 430,700
5 Claims. (Cl. 132—41)



1. A hair curler comprising an integral one piece member of flexible resilient material including a body having a longitudinal slot, and a part extending longitudinally beyond an end of the body and connected therewith by a transverse bend line, therebeing a longitudinal cut in said part dividing the same into fingers which may be partially engaged one over the other and latched in said opening when said part is swung over the body.

2,364,597
PRESS
Harry N. Atwood, Mellen, Wis., assignor to Penokee Veneer Company, Mellen, Wis., a corporation of Wisconsin
Application March 9, 1942, Serial No. 433,892
4 Claims. (Cl. 144—281)



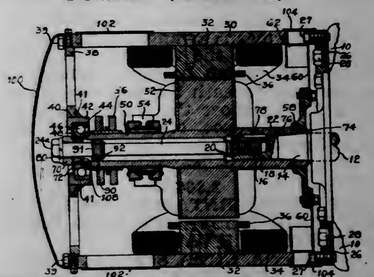
1. A press adapted for treating sheet material including relatively movable press parts having opposed faces, one of said faces having a recess and filled with finely divided solid material capable of redistribution under pressure to accommodate itself to the form of sheet material being pressed, means for heating a portion of one of said press parts intermediate the margins thereof, means for cooling the margins of one of said press part faces so that sheet material of appropriate dimensions inserted between said faces and extending beyond said finely divided solid material across said margins will be heated only at the part aligned with said recess.

2,364,598
PICKUP DEVICE FOR AIRPLANES
Raymond R. Beddow, Toledo, Ohio
Application August 31, 1943, Serial No. 500,607
6 Claims. (Cl. 258—1.2)



1. A pickup device for aircraft comprising a pair of telescoping receptacles, a resilient band on the inner receptacle adjacent the mouth thereof, said band being adapted to be connected to the object to be picked up, said band being adapted to bear against the mouth of the outer receptacle and to snap into substantially flatwise condition upon being separated from the inner receptacle, means normally to hold the mouth of the inner receptacle in outwardly spaced relation to the mouth of the outer receptacle, and a projectile having a cable connection with the aircraft and being adapted to enter said inner receptacle to cause same to move downwardly and enable the band to slip therefrom and snap into coupling engagement.

2,364,599
ATTACHING MEANS
Paul B. Burrus, Dayton, Ohio, assignor to American Aircraft Associates, Dayton, Ohio
Application May 15, 1943, Serial No. 487,421
4 Claims. (Cl. 287—53)



4. Mechanism for interconnecting a pair of rotating parts, said mechanism including a shaft having a tapered portion near one end, which end is provided with an internally threaded bore, a tubular sleeve provided with a tapered portion near one end thereof, said tapered portion engaging the tapered portion of the shaft, means for rotatably supporting the shaft, a bearing for supporting the end of the tubular sleeve opposite the end adjacent the taper, means for supporting the bearing in fixed relation with respect to the shaft supporting means, and retaining means engaging the shaft, said retaining means terminating in a threaded end threadedly engaging the threaded bore in the end of said shaft, said retaining means when tightened clamping the tubular sleeve in engagement with the shaft.

2,364,600
WELL PUMP
Walter L. Church, Houston, Tex.
Application October 2, 1943, Serial No. 504,793
2 Claims. (Cl. 103—46)

1. A pump for wells shaped to be inserted into a tubing in, and sealed with the wall of, a well and comprising a cylinder, a plunger reciprocable therein, means for admitting an operating liquid from the tubing into the cylinder and applying the pressure thereof in opposite directions, alternately, to the plunger to reciprocate the same, means for relieving the operating liquid in ad-

vance of the plunger, as the plunger reciprocates, said liquid admitting and relieving means including a valve to be moved by the plunger into one position to permit application of the operating fluid to the plunger to move the same in one direction, retractable means for temporarily holding the valve in said position, said valve being movable to another position to relieve the op-



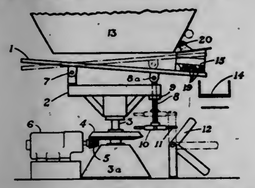
erating fluid, releasable means for temporarily holding the valve in said last mentioned position and yieldable means arranged to be placed under compression when the valve is in either of said positions, said pump having a conduit leading from the well beneath the seal and discharging into the tubing above the seal and a valve controlling the advance of well liquid upwardly through the conduit.

2,364,601

ADJUSTABLE TURNTABLE FOR DISCHARGING WOOD WASTE OR LIKE MATERIAL FROM STORAGE VAULTS

Hervey A. Colvin, Saginaw, Mich.

Application June 25, 1942, Serial No. 448,444
6 Claims. (Cl. 222—404)



6. A rotary discharge assembly comprising a storage vault for wood waste or like material having a bottom discharge opening, a power-driven horizontally rotatable frame below said opening, a turn-table tiltably mounted thereon, being spaced from said opening and adapted to be tilted to various inclinations; vertically adjustable means on said frame supporting said table at various inclinations whereby its spacing from said discharge opening of the storage vault may be adjusted, for the purposes set forth.

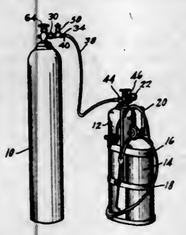
2,364,602

TRANSFER UNIT

Curtis G. Comer, Dayton, and Barnett A. Keener, New Lebanon, Ohio

Application February 14, 1942, Serial No. 430,924
1 Claim. (Cl. 138—40)

In a transfer connector for transferring a high pressure gas from a high pressure source of supply to a low pressure tank, a restricted flow adapter assembly including a nipple member terminating in a spherical portion adapted to be connected to a high pressure source, a union nut, said nipple member being provided with a collar against which the nut is seated, said nipple member being provided with internal threads,



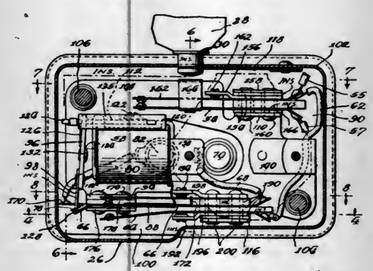
and a screw threaded plug threadedly engaging the passage of the nipple, said plug having a peripherally disposed saw cut groove extending across all of the threads in the plug to provide a channel parallel to the longitudinal axis of the plug so as to restrict the passage through the nipple to limit the flow of the fluid through the adapter.

2,364,603

ELECTRIC WINDSHIELD WIPER

George E. Coxon, Cicero, and Willard H. Farr, Chicago, Ill., assignors to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia

Application February 9, 1940, Serial No. 318,118
17 Claims. (Cl. 15—253)



1. A control for a windshield wiper mechanically operable by an electric motor and a source of energy therefor, including in combination, means operable from a circuit breaking to a circuit making position, a relay energizable thereby for connecting the motor to said source of energy, a cam switch operable by the motor for maintaining the supply of power to the relay after the last-mentioned means has been returned to its circuit breaking position until said motor and wiper reach predetermined positions, and means operative upon deenergization of said relay for braking said motor for a time interval.

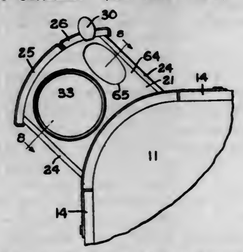
6. A relay including, in combination, a coil, an armature operable thereby, a contact carrying arm operable by said armature from one position to another, said arm being made of bimetallic material, and means including a heating element surrounding said arm energized simultaneously with said coil for temporarily maintaining said arm in its said other position after de-energization of said coil.

2,364,604

TABLE

Chester F. Creager, York, Pa.

Application March 1, 1943, Serial No. 477,493
3 Claims. (Cl. 312—163)



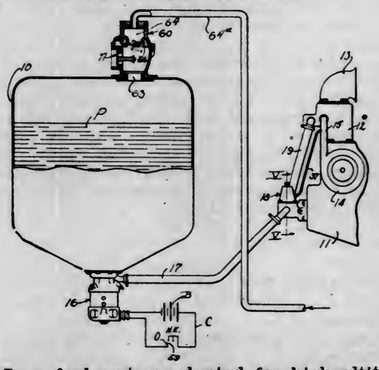
1. In a table of the character described, a hollow top comprising a cover board and a bottom board arranged in spaced relation to said cover board, a slide member having a bottom, said slide member being arranged in the space between the cover board and the bottom board and movable outwardly and inwardly with respect thereto, an opening formed in the bottom of said slide member, a receptacle disposed in said opening and having a peripheral flange for supporting the receptacle from the bottom of the slide member, said receptacle being movable freely rectilinearly within said slide member, said receptacle being arranged to drop down by its own weight when the slide member is moved outwardly of the table top, and means carried by the slide member and engageable with the bottom board of the table top for moving said receptacle upwardly within the slide member when said slide member is moved from an outwardly extended position of the table top inwardly towards a retracted position within the table top.

2,364,605

FUEL SYSTEM

Russell R. Curtis, Dayton, Ohio, assignor to Curtis Pump Company, Dayton, Ohio, a corporation of Ohio

Application July 2, 1942, Serial No. 449,422
7 Claims. (Cl. 158—36.3)



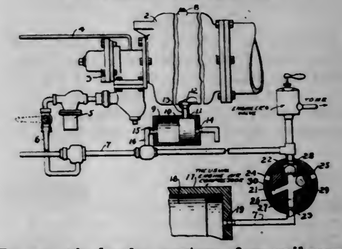
1. In a fuel system adapted for high altitude aircraft performance, a fuel tank, a pump communicating with the lower portion of said tank for delivering fuel from the tank, agitating means on said pump in free communication with the interior of the tank for beating out bubbles of gas and vapor from the fuel before the fuel is trapped in the pump, a pair of valves communicating with the upper portion of said tank and adapted to vent the tank to the ambient air, spring means holding said valves in closed position, one of said valves being arranged to open whenever the ambient air pressure exceeds the pressure in the tank, and the other of said valves being arranged to open whenever the pressure differential between the interior and exterior of the tank exceeds a predetermined value.

2,364,606

AUXILIARY RESERVOIR BLEEDER

Harry A. De Vack, San Jose, and Orvall T. Evans, Santa Clara, Calif.

Application May 27, 1942, Serial No. 444,654
3 Claims. (Cl. 303—70)



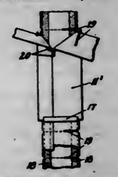
1. In an air-brake system for railway trains comprising a train brake pipe, car supported braking means in communication with the brake pipe including a triple valve, auxiliary reservoir and brake cylinder, and engine supported means including an air compressor for communication with the train brake pipe; the improvement which comprises a vent for the auxiliary reservoir, a pressure responsive valve in communication with said brake pipe and atmosphere operative to maintain said vent closed through pressure in the brake pipe by said compressor, and engine supported valve means operative to reduce the pressure in said brake pipe below atmospheric through operation of said compressor for effecting movement of said pressure responsive valve to open said vent.

2,364,607

ADHESIVE LABEL, TAG, AND THE LIKE

Donald F. Dreher, Alhambra, Calif., assignor, by direct and mesne assignments, to Adhere, Incorporated, a corporation of California

Application January 21, 1939, Serial No. 252,134
8 Claims. (Cl. 40—2)

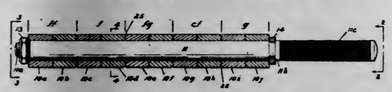


1. An article of the character referred to comprising a backing sheet and a label sheet coated with adhesive which may be peeled off the backing sheet, the label sheet having a relatively non-adhesive zone and one sheet being cut along said zone with its cut edges substantially meeting in non-overlapping relationship and the other sheet extending continuously across the zone and one dimension of the label sheet being at least a multiple of the corresponding dimension of a label.

2,364,608
CLEANING COMPOSITIONS FOR RUGS, UPHOLSTERY, FURS, AND THE LIKE
George H. Edwards, New York, N. Y., assignor to Benjamin Hulsh, Chicago, Ill.
No Drawing. Application May 13, 1943, Serial No. 486,915
13 Claims. (Cl. 252—127)

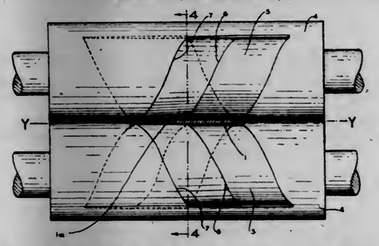
1. A cleaning compound having dust collecting and dirt absorbing properties comprising the following ingredients in substantially the following proportions: 10 lbs. diglycol stearate, 22 gallons of water, 10 gallons Stoddard solvent, 16½ gallons of carbon tetrachloride and naptha, 3½ gallons deodorized hydrocarbon solvent having a boiling range substantially from 379° F. to 468° F., 13 lbs. of soap and 192 lbs. of wood flour.

2,364,609
SURFACE FINISH COMPARATOR
Ephraim J. Almquist, Winona, Minn.
Application March 3, 1942. Serial No. 433,143
1 Claim. (Cl. 88—14)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



An article of manufacture, a surface finish comparator comprising a plurality of cylinders having different physical surface finishes and mounted on a spindle, at least one of which cylinders has a flat portion agreeing in finish with the finish of the rest of the cylinder, for comparison with the surface finish of flat articles.

2,364,610
METHOD OF MAKING TAPERED SHEET-METAL BLANKS
Richard L. Archer, Bratenahl, Ohio, assignor to The Mid-West Forge Company, Cleveland, Ohio, a corporation of Ohio
Application February 4, 1942, Serial No. 429,536
1 Claim. (Cl. 80—60)

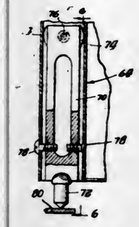


In a method of making a sheet metal blank having laterally tapered portions, the steps which consist in providing an elongated blank of predetermined contour and substantially uniform thickness, then shaping only one portion of said blank in die rolls which engage the blank across substantially the entire width thereof to provide a blank having a taper from the longitudinal center line thereof toward the edge of the shaped portion, the blank being disposed with its longitudinal center line in engagement with the die rolls and at an acute angle to the line of contact between the rolls during said rolling and then inverting the blank and repeating the operation to provide a blank tapering from its longitudinal center line toward both edges thereof.

2,364,611
COATED FLATTING AGENT AND PROCESS FOR MAKING THE SAME
László Auer, South Orange, N. J., assignor to Interchemical Corporation, New York, N. Y., a corporation of Ohio
No Drawing. Application February 11, 1944, Serial No. 521,979
5 Claims. (Cl. 106—144)

1. A new composition of matter useful as a flatting agent which is substantially transparent in conventional lacquer and varnish films, which comprises pigment size particles of a soap of a metal of the class consisting of aluminum, zinc, magnesium and the alkaline earth metals, and rosin which has been modified by chemical reaction to increase its melting point while leaving its carboxyl group free to form soaps coated with a film deposited from an aqueous solution of casein.

2,364,612
HINGE STRUCTURE
James E. Bales, Aurora, Ill., assignor to Lyon Metal Products, Incorporated, Aurora, Ill., a corporation of Illinois
Original application January 11, 1938, Serial No. 184,427. Divided and this application May 9, 1941, Serial No. 392,667
14 Claims. (Cl. 20—16)

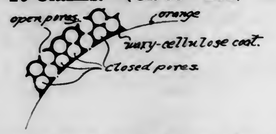


1. In a locker, a doorway, having upper and lower aligned portions into which may project pintles carried by the door, a door adapted to close the doorway, means for supporting said door for swinging movement with respect to the doorway comprising a first pintle on the upper portion of the door and adapted to project upwardly into pivotal engagement with the upper pintle receiving portion of the door, a pintle support, means pivotally mounting the upper portion of the pintle support on the lower portion of the door in general alignment with said upper pintle so as to permit said pintle support to swing about a horizontal axis, a pintle carried by the lower portion of the pintle support and engaging within the lower pintle receiving portion of the doorway, and means for adjustably holding said pintle support in various positions of adjustment about said horizontal axis.

2,364,613
PURIFICATION OF LANTHANUM SALTS
Albert E. Ballard and Lawrence E. Martinson, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application February 5, 1942, Serial No. 429,660
7 Claims. (Cl. 23—102)

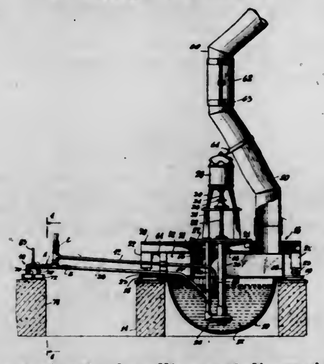
3. A process for removing color-imparting elements from water-soluble lanthanum salts comprising treating an aqueous solution of the salt with an excess of hydrogen peroxide over the amount required to convert all the ions capable of conversion to the higher oxidized state, and sufficient ammonium carbonate to neutralize any free acid ions present and to just start to precipitate lanthanum, heating the solution to boiling and filtering.

2,364,614
RAW-STATE PRESERVING PROCESS AND COMPOSITION
Joseph Harold Beatty, Anaheim, Calif.
Application January 11, 1943, Serial No. 471,995
10 Claims. (Cl. 99—166)



1. A cellulose wax gel adapted for use as a tenacious adherescent protective coat for fresh food bodies.

2,364,615
MECHANISM FOR HANDLING MOLTEN METAL
Lloyd M. Beckes, San Francisco, Calif., assignor to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey
Application July 22, 1942, Serial No. 451,827
12 Claims. (Cl. 22—79)

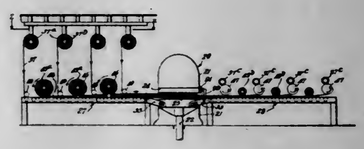


1. Apparatus for handling and dispensing molten metal comprising a melting pot, a frame mounted thereover, said frame being movable relative to said melting pot, a pump disposed in said melting pot and carried by said frame, means for operating said pump, a discharge conduit connected to said pump through which molten metal is forced from said pot into molds or the like receptacles, means comprising a second conduit which is connected to said discharge conduit near its outlet for by-passing excess molten metal back to said melting pot.

2,364,616
BONDING SHEET MATERIAL
Hugo Boeddinghaus, Newburgh, N. Y., assignor to American Felt Company, New York, N. Y., a corporation of Massachusetts
Application July 30, 1940, Serial No. 348,371
17 Claims. (Cl. 154—1)

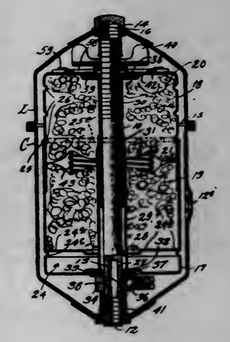
1. Method of forming bonded sheet material comprising assembling in layers dry carded batts of fibrous material to be bonded and protective aprons, such aprons being interposed between the batts of material, advancing the assemblage through a press by pulling the aprons along and allowing the tension of conveyance of the assemblage to be applied to the aprons rather than to the said material, subjecting successive portions of the assemblage to heat and pressure in the press to bond the material, and separating the bonded sheet material and the aprons.

4. Apparatus for forming bonded sheet material comprising a plurality of protective aprons,



means for assembling sheets of said material in a plurality of layers alternating with said protective aprons, a press adapted to subject successive portions of the assemblage of material to heat and pressure to bond the material, means for pulling the aprons step by step through the press so as to advance the assemblage through the press without substantially tensioning the said material in said assemblage and means for separating the bonded sheet material and the aprons.

2,364,617
REPACKABLE ADJUSTABLE OIL FILTER CARTRIDGE
Clark M. Bolser, Cedar Rapids, Iowa
Application December 14, 1940, Serial No. 370,096
9 Claims. (Cl. 210—131)



6. In an oil filter, a casing, a lid therefor, a tie rod for connecting said lid to said casing, an oil filter cartridge on said tie rod, a nut for retaining said oil filter cartridge thereon, a nut for securing said lid to said tie rod, said casing having an inlet and an outlet for oil, and said cartridge comprising a pair of filtering material containers each packed with a quantity of filtering material, said containers disengageably and adjustably telescoping together, spring ring and groove adjustable means for limiting the degree of telescoping of said containers relative to each other, and means for fixing said adjustable means permanently in one position.

2,364,618

CONCENTRATION OF OXIDIZED IRON ORES

Earl H. Brown and Francis X. Tartaron, Hibbing, Minn., assignors to Minerals Separation North American Corporation, New York, N. Y., a corporation of Maryland

No Drawing. Application March 6, 1944, Serial No. 525,304
6 Claims. (Cl. 209—166)

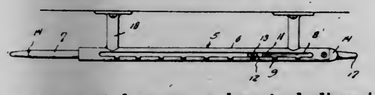
1. The method of concentrating finely-divided oxidized-iron ores in which the gangue ingredient is principally quartz, which consists in treating an aqueous pulp of such an ore with an anionic collecting agent selected from the class consisting of higher fatty acids and resin acids and mixtures of fatty and resin acids and soaps thereof, and with cooperating agents consisting of lime and an aqueous solution of starch solubilized by treatment with an oxidizing agent, and subjecting the thus treated ore pulp to froth-flotation treatment and removing the silica-containing froth, thereby producing in the residue of the pulp an oxidized-iron concentrate.

2,364,619

GARMENT HANGER

George Bushko, Eynon, Pa.

Application November 30, 1942, Serial No. 467,391
1 Claim. (Cl. 223—95)



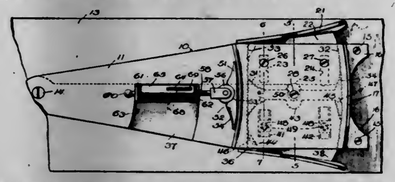
In a garment hanger, a bar including telescopic sections for the adjustment thereof as to length, garment-engaging members formed on ends of the sections and extending at right angles thereto and each having a compound curvature thereto, a block mounted in and adjustable endwise of one of said sections, means for securing said block in any of its adjusted positions, an expansion spring interposed between said block and the other section, said spring being only externally guided in its movement, and means for limiting the sliding of the sections relative to each other by said spring.

2,364,620

SAFETY SKI BINDING

Ernest O. Crocker, Washington, D. C., and Wallace E. Breuner, Oakland, Calif.

Application September 25, 1942, Serial No. 459,616
5 Claims. (Cl. 280—11.35)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



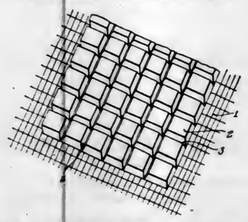
3. A ski binding including a step plate, a release plate pivotally mounted with respect to said step plate; a pair of toe plates comprising a fixed and shiftable plate, each including a fastening portion and means for securing the fastening portions of the fixed end shiftable toe plates to the step plate and release plate respectively, and control means spaced from said toe plates and carried by the forward ends of said step plate and release plate, said control means on the step plate engaging the control means on the release plate, whereby said control means resists relative separation of said toe plate when in normally spaced operating position, and actively urges said toe plates apart into maximum spaced relationship with each other responsive to movement into abnormally spaced apart relationship.

2,364,621

WATER SEALING SHEET

Roy Cross, Walter B. Phillips, and Walter M. Cross, Jr., Kansas City, Mo., assignors to Kansas City Testing Laboratory, Kansas City, Mo., a corporation of Missouri

Application May 2, 1941, Serial No. 391,563
4 Claims. (Cl. 117—65)



1. A prefabricated water sealing sheet comprising a flexible open mesh material and a continuous layer of a cohesive gel forming clay compressed in the interstices and on the surface of said mesh material, said sealing sheet having a thickness within the range from approximately ⅛ inch to ¼ inch.

2,364,622

LUBRICATING OILS

Lloyd L. Davis, Bert H. Lincoln, and Gordon D. Byrkit, Ponca City, Okla., assignors, by mesne assignments, to The Lubri-Zol Development Corporation, Cleveland, Ohio, a corporation of Delaware

No Drawing. Application August 3, 1940, Serial No. 351,120
24 Claims. (Cl. 252—54)

1. A lubricating oil having a viscosity index of over 90, comprising principally a halogen-bearing ether of the type RXR′ where R is a high molecular weight aliphatic radical having at least 13 carbon atoms, R′ is an organic radical containing at least one cyclic nucleus, and X is an atom of an element selected from the right-hand side of group VI of the periodic table, said halogen bearing ether having a viscosity of at least 50 Saybolt at 100° F.

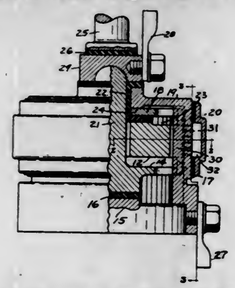
2,364,623

HEAT-TREATING GEARS AND THE LIKE

Francis S. Denneen, Cleveland, and William C. Dunn, Shaker Heights, Ohio, assignors to The Ohio Crankshaft Company, Cleveland, Ohio, a corporation of Ohio

Application August 6, 1941, Serial No. 405,594
4 Claims. (Cl. 219—13)

3. In apparatus of the character described for heating a plurality of teeth on a gear, in combination, a substantially cylindrical shell comprising an enclosure for the gear, the shell having a radially extending flange at one end serving as a part of the enclosure, contact surfaces associated with the flange to engage end parts of the gear teeth in current conducting relation, a clamping member comprising a radial flange to engage opposite end parts of the gear teeth, the cylindrical shell having longitudinal ribs extending radially from a surface of the shell, each rib being formed to enter a space between two adja-



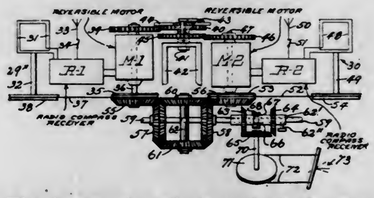
cent teeth of the gear in current inducing relation with surface zones of said teeth, means for connecting said shell and said clamping member in a circuit of periodically varying current to cause inducing current to flow in opposite directions in each of said ribs and in the tooth adjacent thereto to heat the surface zone of the tooth.

2,364,624

RADIO CONTROLLED STEERING SYSTEM

Joseph Dugan, Los Angeles, Calif., assignor of one-half to Evelyn R. Dugan, Los Angeles, Calif.

Application October 17, 1940, Serial No. 361,639
In Canada October 10, 1940
14 Claims. (Cl. 250—2)



5. The herein described method of automatically steering a dirigible vehicle from any location on to and along a straight course passing through two spaced apart sources of radiant energy, which comprises receiving energies on said vehicle from said sources, establishing by said received energies two lines of direction from the vehicle to said sources, and controlling in accordance with such received energies automatically the steering of the vehicle to effect and maintain substantial coincidence between said lines.

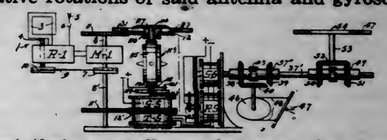
2,364,625

RADIO CONTROLLED NAVIGATIONAL SYSTEM

Joseph Dugan, Los Angeles, Calif., assignor of one-half to Evelyn R. Dugan, Los Angeles, Calif.

Application September 18, 1941, Serial No. 411,408
19 Claims. (Cl. 250—2)

2. A dirigible craft; a radio transmitter without said craft; a radio receiver on said craft tuned to the frequency of said transmitter, and including a directional antenna rotatable about a normally vertical axis on said craft and means connected to said antenna and controlled by the output of said receiver for holding the antenna trained on said transmitter; a directional gyroscope rotatable about a normally vertical axis on said craft and settable to point in any desired compass direction; and means, controlled by the relative rotations of said antenna and gyroscope



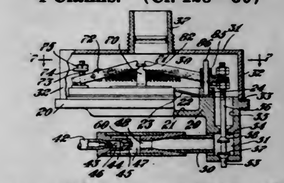
about their normally vertical axes, for steering the craft on to and in drift-corrected movement in a predetermined direction along a compass course passing through said transmitter and determined by the setting of said directional gyroscope.

2,364,626

RESUSCITATOR

John H. Emerson, Cambridge, Mass.

Application November 9, 1942, Serial No. 464,948
4 Claims. (Cl. 128—30)



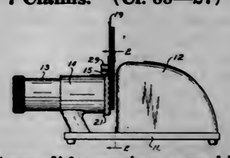
2. In an artificial resuscitator of the kind wherein gas supplies the energy for alternately inflating and deflating the lungs and having a face mask provided with a rigid attaching nipple, a case of a size such that it may be held in the palm of one hand, said case having a rigid nipple constructed and arranged for releasable connection to the nipple on the mask thereby detachably to unite the case and mask, an aspirator nozzle within the case, two pairs of valves within the case, said valves being operative to change the course of the gaseous medium delivered to and from the aspirator nozzle thereby alternately to deliver gaseous medium to the mask and to withdraw gaseous medium from the mask respectively, and a pressure-actuated diaphragm within the case, said diaphragm being operative in response to lung pressure automatically to actuate the valves, the connected nipples of the case and mask providing a single passage through which gas flows to and from the mask, and a single flexible conduit for supplying gas to the nozzle.

2,364,627

ROTARY SLIDE CARRIER

Gustave Fassin, Grosse Pointe, Mich., assignor to International Industries, Inc., Ann Arbor, Mich., a corporation of Michigan

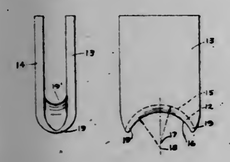
Application January 15, 1942, Serial No. 426,908
7 Claims. (Cl. 88—27)



7. In a rotary slide carrier assembly for a projector, a disk member having a plurality of circumferentially spaced windows; means on said

disk member for holding slides in registry with each of said windows; a support member having a single window therein of a size comparable to the windows of said disk member; pivot means mounting said disk member on said support member for relative axial movement toward and away from said support member, said pivat means also mounting said members for rotation to bring any one of the windows in said disk member into registry with the window of said support member; resilient means operably associated with said pivot means constantly urging said slide member toward said support member, one of said members having a plurality of circumferentially spaced, open-sided recesses facing toward the other of said members, said other member having a plurality of detents permanently and rigidly provided thereon and projecting axially toward said one member, said detents being so located with respect to the pivotal axis and so spaced circumferentially as to cooperate in seating engagement with the recesses of said one member and yieldingly lock said members in any one of a plurality of selected adjusted relative angular positions, with said window in said support disposed in registry with one of the windows of said disk member, said detents and recesses being so shaped that when said members are relatively rotated in either direction said detents will ride out of said recesses and cam said members apart against the action of said resilient means, said one member having a smooth circular surface joining said recesses and disposed normal to the pivotal axis, upon which said detents are operable to ride when said members are relatively rocked from one selected adjusted angular position to another.

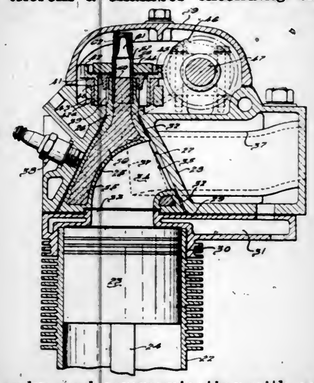
2,364,628
SECURING MEMBER FOR ROPE AND CABLE
Leslie H. Garlinghouse, Los Angeles, Calif.
Application March 27, 1943, Serial No. 480,820
12 Claims. (Cl. 24—115)



1. A cable securing member comprising a body having spaced sides, joined at one end by a rope engaging portion which is integral with the sides, said rope engaging portion having its ends extending downwardly in a curved manner, and a transverse member connecting the ends of the rope engaging portion and spaced from the intermediate part of the rope engaging portion.

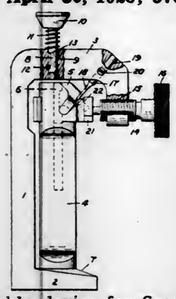
2,364,629
ENGINE
Waldo G. Gernandt, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application August 5, 1942, Serial No. 453,683
22 Claims. (Cl. 123—80)

1. In an internal combustion engine having a cylinder, a rotatable valve having a combustion chamber communicating with said cylinder and a cooling chamber adjacent said combustion chamber, means connected to one end of said valve for driving the same, and a removable member for closing said cooling chamber and having therein a chamber extending exteriorly



of said valve and communicating with said cooling chamber.

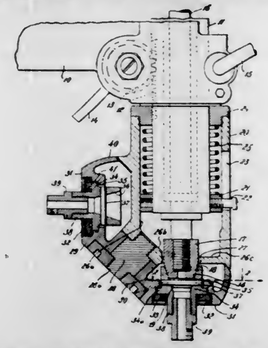
2,364,630
ASSEMBLY TOOL
Carl W. Gilligan, East Longmeadow, Mass.
Application March 24, 1944, Serial No. 527,928
2 Claims. (Cl. 29—225)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An assembly device for firearm bolts having interlocking spring biased extractors and ejectors comprising a stand arranged to support a bolt, a wedge mounted in said stand and arranged to engage between the extractor and its spring biasing member, means arranged to move the bolt in said stand in a direction compressing said extractor spring bias against said wedge and a plunger movably mounted in said stand, said plunger arranged to engage and depress the ejector against the ejector spring bias.

2,364,631
METALWORKING MACHINE
David W. Grimes, New York, N. Y., assignor to Richard B. Fant
Application December 23, 1943, Serial No. 515,399
10 Claims. (Cl. 77—25)

1. A multiple tool head for use in a metal working machine having a driving spindle carrying a driving member, the member tapering toward its free end, which comprises a freely rotatable head having a plurality of apertures, a tool holder mounted in each aperture for limited movement in a plane transverse to the axis thereof, each tool holder having a recess for receiving the tapered portion of the driving member with a tight fit, the engagement of the driving member in the recess in a tool holder causing alignment of the tool holder with the driving

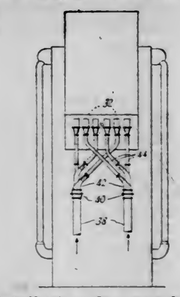


member, and means for moving the head relative to the spindle to effect driving engagement of the driving member and a tool holder and alignment of the latter with the spindle.

2,364,632
WAX EMULSIONS
James Otis Handy, Orlando, Fla., assignor to Duzzel Corporation, Dover, Del., a corporation of Delaware
No Drawing. Application April 18, 1942, Serial No. 439,563
9 Claims. (Cl. 99—168)

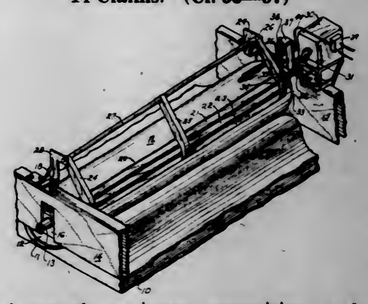
1. Process of preparing an emulsion for application to fruit and vegetables to enhance luster and control shrinkage and decay which consists in melting candelilla wax and fatty acids at a temperature of from 190° to 210° F., adding thereto an aqueous solution of a saponifying agent to saponify all of the added fatty acids and the acids existing in the wax and agitating the mixture to form a jelly-like emulsion.

2,364,633
DISTRIBUTOR
Ralph M. Hardgrove, Westfield, N. J., assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey
Application March 23, 1942, Serial No. 435,760
13 Claims. (Cl. 302—28)



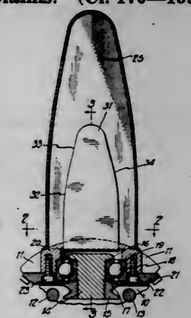
1. In a distributor for gas-borne solid particles, a casing of circular cross-section throughout having an inlet at one end and an odd number of concentrically arranged outlets at its opposite end, relatively thin plates for dividing said inlet area into a plurality of sectoral divisions and having extensions in the direction of said outlet end, said plates and said extensions defining flow passages connecting a group of said divisions with one of said outlets and other groups with the remaining outlets, each of said passages terminating in a discharge opening coinciding with the entire area of the outlet with which it connects.

2,364,634
MANGLE
Elmer Paul Harrison and Orville A. Hunt, Oklahoma City, Okla.; said Hunt assignor to said Harrison
Application January 26, 1940, Serial No. 315,791
14 Claims. (Cl. 38—57)



1. A mangle or ironer comprising: a heated ironing shoe; an ironing roller mounted to cooperate with said shoe; an auxiliary heating shoe mounted for movement toward and away from the peripheral surface of said roller; means for heating said auxiliary shoe; and thermostatically controlled power means for moving said auxiliary shoe toward and away from the peripheral surface of said roller, said power means being responsive to temperature changes on the peripheral ironing surface of the roller.

2,364,635
PROPELLER BLADE
Robert H. Hasler, Old Westbury, N. Y.
Application August 5, 1943, Serial No. 497,435
2 Claims. (Cl. 170—159)



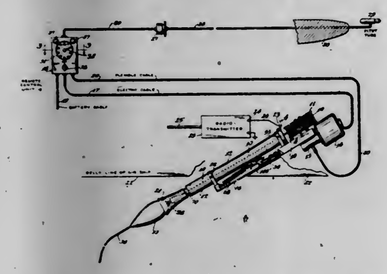
1. A propeller blade construction comprising an interiorly chambered base member, ball bearings disposed in the chamber of said base member on annular inner and outer races, the outer race being seated in said base member, a mounting stud on which said inner race is seated, a hollow propeller blade secured on the outer surface of said chambered base member, and a tension member secured to the interior of said blade and extending through said base member and secured thereto.

2,364,636
SHEER FULL-FASHIONED STOCKING
George F. Lang, Jenkintown, Pa.
Application August 26, 1940, Serial No. 354,269
2 Claims. (Cl. 2—240)



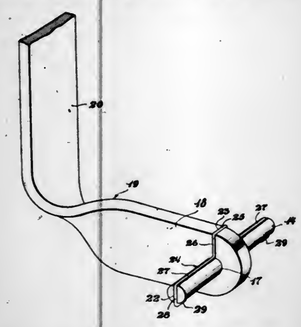
2. A sheer stocking comprising a foot portion, a sheer leg portion, an annular strain-distributing band of relatively heavier and more durable fabric disposed about the upper periphery of said leg portion and more or less continuously connected therewith, said strain-distributing band having substantial annular elasticity and being transversely relatively inelastic, and a plurality of snap-fastener members circumferentially disposed about and carried by said annular strain-distributing band, said snap-fastener members comprising an engaging unit and a backing unit disposed generally on opposite sides of the annular band, said backing unit having relatively thin tapered deformable prongs extending through said strain-distributing band whose strands are being transversely spread apart to accommodate the prongs, said band not having sufficient grip on the thigh of the wearer to support the top of the stocking on the thigh of the wearer, and serving to distribute the strain of garter members.

2,364,637
PITOT CONTROL SYSTEM FOR AIRCRAFT
William P. Lear, Dayton, Ohio, assignor, by mesne assignments, to Lear Avia, Inc., Piqua, Ohio, a corporation of Illinois
Original application September 27, 1939, Serial No. 296,725, now Patent No. 2,272,213, dated February 10, 1942. Divided and this application March 16, 1940, Serial No. 324,263
16 Claims. (Cl. 250—33)



11. In combination with an antenna for airplanes, a reel on which a portion of the antenna may be wound and from which the antenna may be reeled out when the ship is in flight, a motor-mechanism for rotating the reel, a circuit for actuating the motor-mechanism to reel-out the antenna, a manually operable switch for closing this circuit, a self-opening switch in this circuit, and air-pressure operated means independent of the antenna for automatically closing this latter switch when the ship is in flight.

2,364,638
RETAINING MEANS FOR LOCKING PINS
Herman Lombard, United States Navy
Application December 1, 1943, Serial No. 512,445
7 Claims. (Cl. 85—5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In combination with a pin extending through a member, resilient retaining means engageable with said member and with the ends of said pin for preventing axial movement of said pin relative to said member, said retaining means having portions extending along the pin from the ends thereof and a yoke portion intermediate said portions adapted to straddle said member and engage the sides thereof to prevent endwise movement of said retaining means and said pin relative to said member, and means for preventing displacement of said retaining means from said pin and member.

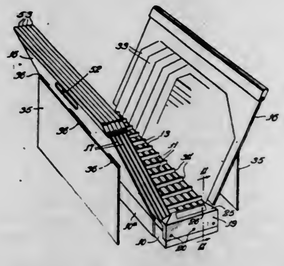
2,364,639
TREATMENT OF VITAMIN EXTRACTS
Ben Maizel, Chicago, Ill., assignor to Vico Products Company, Chicago, Ill.
No Drawing. Application April 11, 1940, Serial No. 329,055
8 Claims. (Cl. 167—81)

8. A method of treating aqueous extracts containing water-soluble vitamins of the B group to remove constituents therefrom which impart objectionable taste to said extracts and which possess an acid-like character, which comprises contacting said extracts with an adsorbing agent to selectively adsorb said undesired constituents without materially decreasing the vitamin B content of said extracts, said adsorbing agent comprising a synthetic resin.

2,364,640
RECORD VISUALIZING DEVICE
Alfred M. Martin, Park Ridge, Ill.
Application May 25, 1942, Serial No. 444,378
17 Claims. (Cl. 129—16)

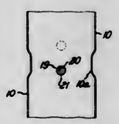
7. In a structure of the class described, a base, a pair of cover members carried by the base to swing from lateral tilting positions to upright position, an auxiliary support carried by each cover, a metal spring between each cover and its auxiliary support urging the auxiliary support outwardly whereby it is extended in normal position to prevent capsizing of the device but may be pressed inwardly when desired to conserve space, and interengaging means carried by the covers and the springs limiting the outward movements of the auxiliary supports with respect to the covers.

14. In a device of the class described for supporting a plurality of series of record leaves, the combination of a base member therefor, an overhanging shoulder formation at each end of the base, and a plurality of partition members having



longitudinally extended portions received under the overhanging shoulder formations, at least one of said overhanging shoulder formations being provided by a removable keeper block, a label holder carried by the keeper block, and means removably securing the block to the base.

2,364,641
COMPOSITE ELECTRODE
Archibald F. Meston, Bound Brook, N. J., assignor to Research Corporation, New York, N. Y., a corporation of New York
Application May 3, 1941, Serial No. 391,789
4 Claims. (Cl. 183—7)



1. In an electrical precipitator, substantially parallel spaced extended surface collecting electrodes defining a gas treating space therebetween, and including opposed portions projecting into the gas treating space to provide a constricted zone in said space, and an elongated discharge electrode symmetrically positioned between said collecting electrodes, extending transversely of the gas stream and comprising an extended surface member free from surface portions of radius of curvature small enough to produce corona discharge under operating conditions and a plurality of attenuated discharge members carried by said extended surface member presenting surface portions of very small radius of curvature substantially confined to a single plane parallel to the collecting electrodes, at least one of said members being positioned in the constricted zone provided by the projecting portions of the collecting electrode.

2,364,642
METHOD OF MAKING SELENIUM ELEMENTS
Arthur J. Miller, Newark, N. J., and Irving Richard Taylor, Brooklyn, N. Y., assignors to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application May 1, 1943, Serial No. 485,384
4 Claims. (Cl. 175—366)

1. The method of making a selenium element which comprises compressing selenium powder against a base plate and maintaining the carrier

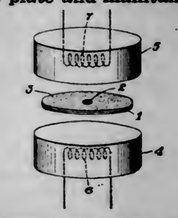
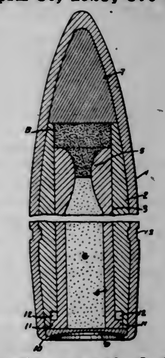


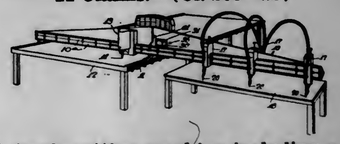
plate temperature higher than the temperature of the selenium surface during the compression.

2,364,643
EXPLOSIVE PROJECTILE
Wiley T. Moore, Laverne, Okla., and Wilfred E. Thibodeau, Cleveland, Ohio
Application February 12, 1941, Serial No. 378,582
1 Claim. (Cl. 102—56)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



A projectile having a central chamber, a main charge and a detonating charge in said chamber, a ring shape striker member surrounding said detonator charge and in contact therewith and resting on the rear face of said chamber, and solid means in the path of movement of said striker member to limit its forward movement upon impact of the projectile.

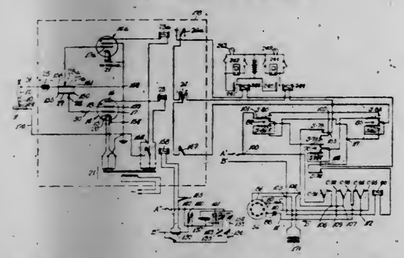
2,364,644
CUTTING TORCH MACHINE
Chester Mott, Evanston, and Alfred F. Chouinard, Chicago, Ill., assignors to National Cylinder Gas Company, Chicago, Ill., a corporation of Delaware
Application April 4, 1941, Serial No. 386,874
11 Claims. (Cl. 266—23)



7. A torch cutting machine including a movable torch, a synchronous motor for driving the torch at a cutting speed over the plate to be cut, means for generating current pulsations of different frequencies, and including a movable control member having a plurality of rows of conformations controlling the frequency of said pulsations, and means for selecting any one of said

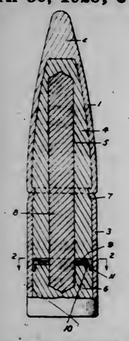
rows for operation to obtain current of corresponding frequency, means for amplifying said current pulsations to a value necessary to operate said motor therefrom, and means for delivering said amplified current pulsations to said motor to operate said motor at the desired speed.

2,364,645
TORCH DEVICE
Chester Mott, Evanston, and Alfred F. Chouinard and Robert L. Harding, Chicago, Ill., assignors to National Cylinder Gas Company, Chicago, Ill., a corporation of Delaware
Application March 31, 1942, Serial No. 436,974
17 Claims. (Cl. 266—23)



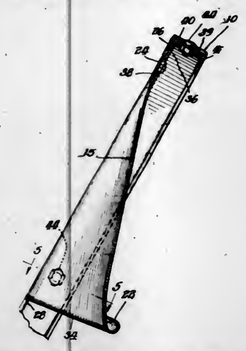
10. An apparatus for controlling the operation of a torch device, including a pair of circuits, a pair of thermionic tubes in said circuits respectively, said tubes being of the type which become non-conductive when the controlling voltages impressed thereon exceed a predetermined negative value, and which become conductive when the controlling voltages impressed thereon drop below said predetermined negative value, the torch tip and a metal workpiece upon which said tip operates being connected in the circuits of said tubes, whereby the flame between said torch tip and said workpiece forms part of the conducting path of said circuits and the voltages impressed on said tubes depend on the conductivity of said flame, and means for automatically operating a part of said device according to the conductive or non-conductive condition of said tubes.

2,364,646
EXPLOSIVE BULLET
Richard N. Nelson, Black River Falls, Wis.
Application August 18, 1941, Serial No. 407,298
4 Claims. (Cl. 102—56)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



4. A bullet comprising front and rear core sections, spaced apart and adapted to receive therebetween a priming charge and means for normally maintaining the core sections in spaced relation until after firing, said core sections being provided with communicating aligned chambers for the reception of the main explosive charge, the front core section being provided with an exterior circumferential groove presenting a rearwardly facing shoulder, a jacket for said core sections comprising a front section having an inturned flange at its rear end in contact with said shoulder, and a rear jacket section having its front end portion connected with the front core section and occupying a portion of said circumferential groove and in abutting relation with the flange of the front jacket section.

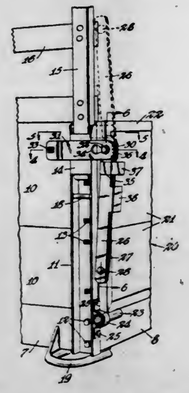
2,364,647
CHAIR CONSTRUCTION
John B. O'Connor, Aurora, Ill., assignor to Lyon Metal Products, Incorporated, Aurora, Ill., a corporation of Illinois
Original application October 21, 1937, Serial No. 170,256. Divided and this application June 26, 1941, Serial No. 399,834
5 Claims. (Cl. 155—194)



1. A folding chair comprising an inverted substantially U-shaped frame which in cross section at its upper portion is of channel shaped formation to provide an outer wall and substantially parallel front and rear downward flanges disposed at substantially right angles to said outer wall and spaced apart to provide a channel, and a sheet metal back formed of an integral metal stamping, said back at its top and sides being formed with an integral continuous flange portions of which are offset slightly rearwardly to lie within the channel and parallel to the rear face of the front wall of said channel, said flange being extended substantially at right angles thereto to lie substantially in contact with said outer wall of said frame, fastening means passing through the outer wall portions of said frame and through said extension flanged portions of the back, said back from its junction with the opposed sides of the frame being concaved in a horizontal direction and progressively from the side to the center being convexed in a vertical direction.

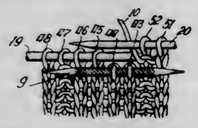
2,364,648
MULTIPLE POSITION FASTENER FOR HINGED TAIL GATES
Buford W. Olson, Minneapolis, Minn., assignor to Chas. Olson & Sons, Inc., Minneapolis, Minn., a corporation of Minnesota
Application March 24, 1943, Serial No. 480,297
6 Claims. (Cl. 296—57)

1. The combination with a vehicle body having an opening and a hinged tail-gate for opening and closing said opening, of a multiple position fastener for said tail-gate comprising a pair of arms pivotally anchored together and being pivotally anchored, at points equally spaced from the aforesaid pivot, one to the tail-gate and one to the vehicle body adjacent the tail-gate opening, the points of pivotal anchorage of one arm to the tail-gate and the other arm to the body being substantially equally spaced from the hinge axis of the tail-gate, a stop element carried by one of the arms and projecting into the orbit of the other of said arms and located in the plane of pivotal movement of said other arm about the axis of the pivot connecting the two arms, the pivotal anchor between one of said arms and the



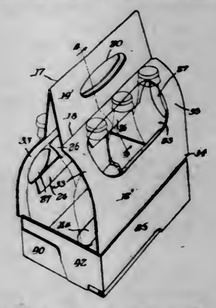
body comprising a slotted anchoring bracket mounted on the body and a headed stud rigidly carried by the arm and working in said slot with its head overlapping the slot on the opposite side of the bracket, said slot extending in a direction inwardly and outwardly of the body opening and being narrower than said head at its outwardly extended end portion and being of sufficient width to receive the stud head at its inner end portion, and stop means carried by the last said arm and engageable with the said anchoring bracket for retaining the pivot stud in its outermost position in the slot when the said arms are extended outwardly of an approximately vertical position.

2,364,649
CABLE NEEDLE FOR KNITTING
Sylvia E. Palliser, Chicago, Ill.
Application June 11, 1942, Serial No. 446,556
7 Claims. (Cl. 66—117)



6. A stiff knitting needle less than five inches long to serve as a temporary stitch retainer for use with one or more longer conventional needles, rigid throughout its length, and comprising smooth tapered end portions and a central portion having at least a portion of its circumferential surface roughened to such an extent as to prevent the sliding of stitches therefrom during the intervals said needle is idle while being used in knitting fancy stitch fabrics by the use of conventional knitting needles.

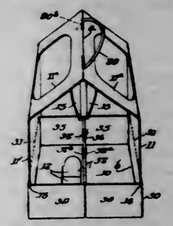
2,364,650
BOTTLEHOLDER
Henry K. Powell, Chicago, Ill., assignor to Morris Paper Mills, Chicago, Ill., a corporation of Illinois
Application February 7, 1938, Serial No. 189,061
18 Claims. (Cl. 229—52)



1. A knocked-down container for the packaging of bottles or the like comprising a blank of sheet material formed to provide a body section and a girth section; the body section being creased to provide a bottom panel at one end and a side panel at the other end, said panels being formed with interengageable elements whereby they may be connected so that the side panel is at a side margin of the bottom panel, a second side panel having one of its ends conjoined to the other side panel and its other end conjoined to the opposite side margin of the bottom panel; the girth section being conjoined to an end margin of the bottom panel and flexible to an upstanding position relative thereto and around the lower portions of the side panels, to form an upstanding rim along the side and end margins of the bottom panel.

12. In a container for carrying bottles and the like, a body formed of paper board or the like and including a bottom panel and side panels extending upwardly at opposite side margins thereof, said side panels being provided with a handle at their upper ends and in their upper portions below said handle with bottle-receiving apertures disposed to admit introduction of bottles to standing positions on the bottom, and end tabs flexed inwardly from the material disposed laterally of said apertures to stiffen portions of the side panels at the sides of the bottle-receiving apertures.

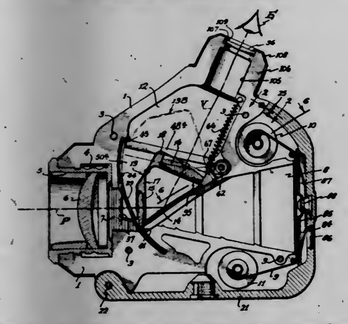
2,364,651
BOTTLEHOLDER
Henry K. Powell, Chicago, Ill., assignor to Morris Paper Mills, Chicago, Ill., a corporation of Illinois
Application March 16, 1938, Serial No. 196,230
21 Claims. (Cl. 229—27)



1. A holder for bottles and the like comprising a body member and a retainer member both

formed of sheet material, the body member comprising a bottom panel and oppositely disposed side panels which are connected to the bottom panel at their lower ends and to each other at their upper ends, the retainer member encompassing the lower portions of the side panels and having portions forming a bottle separator midway between them and upstanding walls at the ends of the bottom panel, said body member being provided with a handle at its upper end and with apertures in the upper portions of the side panels through which bottles may be introduced and withdrawn while said retainer member is in place.

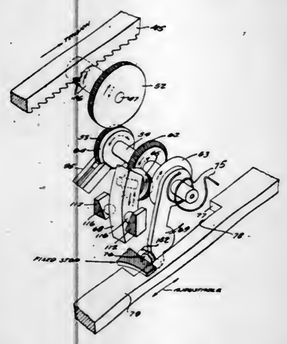
2,364,652
CAMERA CONSTRUCTION
Gordon B. Pollock, South Laguna, Calif.
Application June 16, 1941, Serial No. 398,186
34 Claims. (Cl. 95—42)



1. In a camera construction, the combination which comprises: an objective lens adapted to establish an image at a photographic register position spaced rearwardly therefrom along a photographic axis, said objective lens being adapted for focusing movement to adapt the same to focus at different object distances; means positioned across said axis between said objective lens and said register position for intercepting light rays from said objective lens and directing the same along an axis inclined at an angle to said photographic axis, to define a viewing axis coinciding with the photographic axis between the objective lens and said means and having a portion extending beyond said means and including said inclined axis; and auxiliary lens means disposed along said viewing axis to form with said objective lens a compound objective system cooperating with said first-named means to establish a viewing image at a position rearward of said auxiliary lens means with respect to said objective lens along said viewing axis.

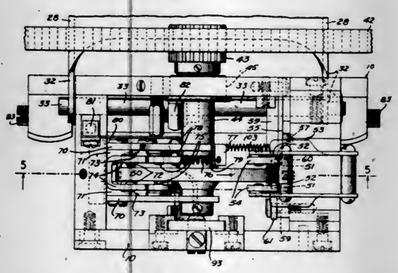
2,364,653
ESCAPEMENT MECHANISM
Robert Thomas Pollock and Otto C. W. Henze, New York, N. Y., assignors to Joseph Lee Sweeney, New York, N. Y.
Application February 7, 1942, Serial No. 429,886
20 Claims. (Cl. 197—84)

1. An escapement mechanism comprising three elements operatively connected together in such a manner that if one of said elements is held against movement, movement of another of said elements will cause movement of a third, a first releasable holding means normally positioned to hold one of said elements, means to urge said last mentioned element in a predetermined direction, a second releasable holding means normally inoperative to hold a second one of said elements, means to limit the amount of movement of the third of said elements, means to urge said third element in a direction opposite to that in which it will tend to be moved by said first mentioned element-urging means in the normal operation



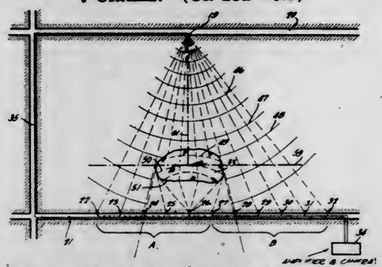
of said mechanism, said third element-urging means being weaker than said first element-urging means, and means to operate said two holding means in succession with the holding period of said second holding means overlapping the holding period of said first holding means.

2,364,654
POWER CONTROL APPARATUS
Robert Thomas Pollock and Otto C. W. Henze, New York, N. Y., assignors to Joseph Lee Sweeney, New York, N. Y.
Application July 24, 1942, Serial No. 452,130
11 Claims. (Cl. 197—84)



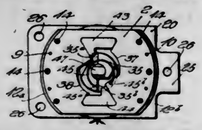
8. In a typewriter escapement a shaft mounted for rotation with the movement of the carriage, a control disk rotating with said shaft, said control disk having a smooth operating area, a frictional clutch operating at one point upon the smooth operating area of said control disk, a second frictional clutch operating upon the smooth operating area of said control disk and having a swinging movement with reference thereto, stops, one of which is adjustable, determining the extent of movement of said swinging frictional clutch, and means for operating the clutches in such sequence that the fixed clutch locks the disk against movement in one direction while the second clutch moves circumferentially of the disk, and thereafter the first clutch releases the disk and the second clutch engages and travels with it until the second clutch abuts one of said stops.

2,364,655
GEOPHYSICAL EXPLORATION
Henry Hart Pratley, Glendale, Calif.; California Trust Company executor of said Henry Hart Pratley, deceased
Application December 24, 1940, Serial No. 371,470
7 Claims. (Cl. 181—0.5)



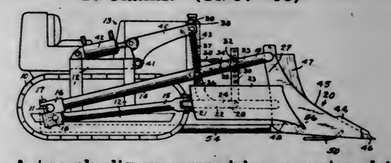
1. The method of locating a body, such as an ore body, or the like in a predetermined region of limited boundaries and of substantially uniform seismic characteristics except for the presence of such bodies, which comprises the steps of generating seismic waves by a single disturbance at a selected generating point on one side of said generating region, receiving said seismic waves at a plurality of spaced reception points on the opposite side of said region, the reception points being so disposed that some of them may be located in the shadow of said body and others may be located outside the shadow of said body, making a record of the seismic waves received at each of said reception points on a multiple record sheet, the several records having time and shape characteristics, and determining from said records whether a body is present and the limits of such body.

2,364,656
MAGNETIC ACTUATOR
Osborne I. Price, Frederick, Md., assignor to Magnetic Devices, Inc., Frederick, Md., a corporation of Maryland
Application October 23, 1941, Serial No. 416,268
12 Claims. (Cl. 175—336)



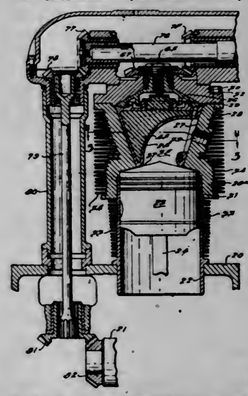
1. A magnetic actuator comprising in combination a magnetic frame, an electromagnetic actuating winding disposed within said frame and having an axial bore extending therethrough, an angularly shiftable armature member journalled with respect to each end of said magnetic frame and having a centrally disposed magnetic portion located within said electromagnetic actuating winding and having pairs of symmetrically arranged magnetic pole faces adjacent each end thereof extending continuously from a radial position to a curved surface and connecting with a plane surface displaced from the axis of the armature and extending to a tangential surface connected with the armature, said pole faces being magnetically associated with each end of said magnetic frame, said armature member operating to continuously reduce the reluctance of the magnetic path between said pole faces and said magnetic frame while increasing the power derived from angular motion, and motion transmitting means connected with said armature member.

2,364,657
TRENCH DIGGER
Maurice Proctor and William R. Proctor, Seattle, Wash.; said William R. Proctor assignor to said Maurice Proctor
Application November 4, 1942, Serial No. 464,484
10 Claims. (Cl. 37—98)



1. A trench digger comprising a motor driven tractor having a fixed non-rotatable axle; longitudinally extending frame means on each side of said tractor, connected to said axle and extending forwardly thereof; laterally extending frame means positioned in advance of said tractor and interconnecting said longitudinally extending frame means; ditch digging means positioned in advance of said tractor and carried by said frame means; and a longitudinal thrust member extending below and centrally of said tractor and connected at one end portion with said ditch digging means and at the other end portion with said axle.

2,364,658
ENGINE
La Verne B. Ragsdale, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application August 5, 1942, Serial No. 453,688
30 Claims. (Cl. 123—80)

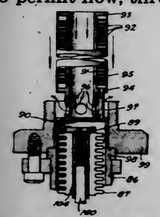


1. In an internal combustion engine having a cylinder head, a rotatable valve in said head comprising two members drivingly connected together and separable in a direction axially of the valve, one of said members having a combustion chamber and a duct effecting communication between said chamber and the space between said members.

2,364,659
CONTROL DEVICE
William A. Ray, Los Angeles, Calif.
Application May 5, 1942, Serial No. 441,773
2 Claims. (Cl. 297—8)

1. In a device that responds to variations in temperature of a body of fluid by immersion therein: an elongated hollow metallic cylinder having a pair of spaced external flanges; a metal-

lic sleeve disposed over said flanges and sealed thereto to form with said cylinder an annular chamber; said flanges forming the ends of said chamber; a temperature-responsive fluid in the chamber; there being an aperture through one of said flanges forming a passage for said temperature-responsive fluid; a supporting base for said device; said cylinder being extended beyond said one of the flanges and attached at its end to said base; the portion of the cylinder between said base and said one of the flanges having openings therethrough to permit flow, through the interior



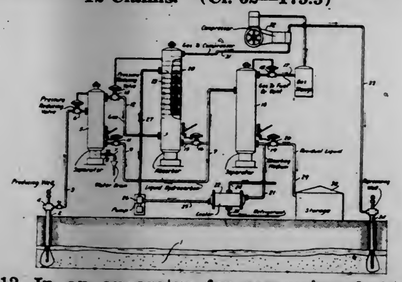
of the cylinder, of said fluid wherein the device is immersed, and also to reduce transfer of heat between the device and the base, the total area of said openings being of the same order as the cross-sectional area of the interior of the cylinder; and means in thermal contact with the temperature-responsive fluid in the chamber and defining with the cylinder and the sleeve a tortuous narrow passageway for the temperature-responsive fluid from one end of the chamber to the other, said means being composed of relatively thin metal having good heat-conducting property.

2,364,660

METHOD OF AND APPARATUS FOR RECOVERING DESIRABLE PETROLEUM HYDROCARBON FRACTIONS FROM HIGH PRESSURE WELLS

Laurance S. Reid, Oklahoma City, Okla.

Application January 20, 1939, Serial No. 251,952
12 Claims. (Cl. 62—175.5)



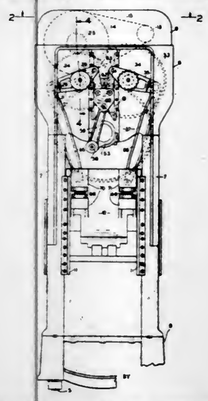
12. In an apparatus for recovering desirable liquefiable hydrocarbon fractions from a gaseous well flow including an absorber, means discharging said flow into the lower portion of the absorber, means reducing pressure in the absorber within the retrograde condensation range of said flow to effect condensation from said flow and leaving a residue gas, a low pressure separator, means discharging the condensate accumulating in said absorber to said low pressure separator, means returning a portion of denuded condensate from said low pressure separator to the absorber at a point near the top thereof for counter-flow contact with respect to flow of the residue gas in the absorber for absorbing desirable fractions that remain in vapor state in said absorber, and means reducing temperature of said recirculated denuded condensate.

2,364,661

TOGGLE PRESS

Fredrich J. Rode and Meredith R. Hatch, Toledo, Ohio, assignors to E. W. Bliss Company, Brooklyn, N. Y., a corporation of Delaware

Application November 21, 1942, Serial No. 466,468
17 Claims. (Cl. 113—38)



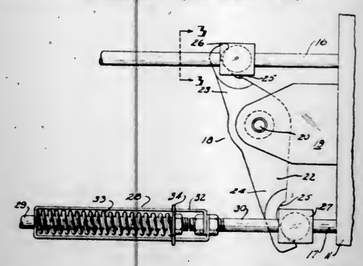
1. In a sheet metal working press of the double action front to back type the combination of a gear train arranged to drive a main crankshaft, a die slide driven by the crankshaft, dual toggle mechanism for operating the work clamping slide of the press including two rocker shafts rotatably supporting members of said gear train, and mean interconnecting said crankshaft and said rocker shafts for imparting a rocking movement to said rocker shafts to thereby actuate said toggle mechanism.

2,364,662

ENGINE CONTROL

Dale Roeder, Wayne, and Evan H. Wright, Detroit, Mich., assignors to Ford Motor Company, Dearborn, Mich., a corporation of Delaware

Application March 29, 1943, Serial No. 480,980
1 Claim. (Cl. 192—.01)



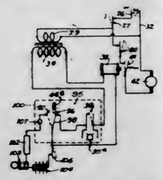
In an automotive construction a chassis, an engine mounted thereon, a clutch control means, a throttle control means, connections leading therefrom to a clutch and a throttle respectively, said connections including rigid links spaced in substantial parallelism for at least a portion of their extent, a lever mediately pivoted on said chassis between said parallel links and having its opposite ends adjacent said several links, a stop slidably mounted on each rod, means to secure said stop thereon in adjusted positions, an engaging surface at each end of said lever adapted to engage said stop on the side of said stop nearest said clutch and throttle control means and to permit free movement of said stops away from said last-named means, and a spring-loaded lost motion means interposed in said throttle connection between said throttle control means and the stop on said throttle connection.

2,364,663

OUTFIRE CONTROL

Arthur V. Sampsel, Mendota, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York

Application April 9, 1940, Serial No. 328,740
9 Claims. (Cl. 236—9)



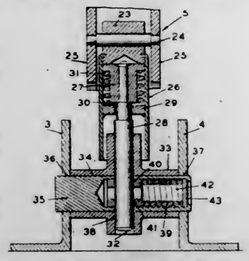
1. A space conditioning system, comprising a conditioner, means for supplying said conditioner with fuel to enable said conditioner to supply a conditioning medium to said space, means operative in response to a preselected supply-demanding condition of said space to operate the first mentioned means and to a preselected satisfied condition of said space to render said first mentioned means inoperative, and means operative in response to a preselected supply-demanding condition of said space beyond the range defined by the first two conditions aforesaid to render the first mentioned means inoperative.

2,364,664

BRAKE SHOE ADJUSTING MECHANISM

Steve Schnell, Kirkwood, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware

Application June 23, 1943, Serial No. 491,917
5 Claims. (Cl. 188—79.5)



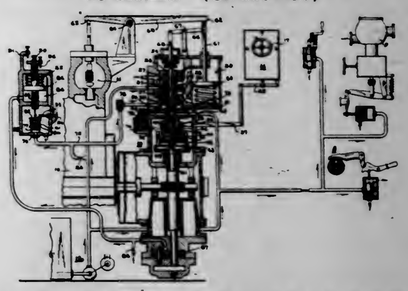
1. In braking apparatus, a support, a brake drum, a friction element for cooperation with the drum, means for actuating the friction element, and automatic adjusting means for the friction element for maintaining the "off" position clearance thereof substantially constant notwithstanding wear of its friction surface, said adjusting means comprising a member connected to move with the friction element, a rod, means cooperating with the last named member and the rod for permitting limited relative movement therebetween, a member having a bore receiving the rod, a pivot pin for connecting the last named member to the support, and means associated with the pivot pin for causing the rod to be frictionally held in the bore.

2,364,665

GOVERNOR APPARATUS

Anthony F. Schwendner, Ridley Park, and John S. Newton, Drexel Hill, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application April 23, 1943, Serial No. 484,196
15 Claims. (Cl. 290—17)



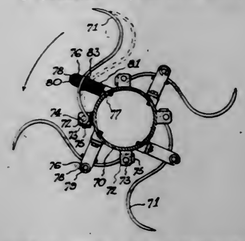
1. In apparatus for controlling the admission of motive fluid to a prime mover coupled to a generator which is synchronously connected to motor means operated to effect movement of a body and wherein the inertia of the coupled prime mover and generator is comparatively small in relation to that of the body, a motive fluid admission valve for the prime mover, mechanism including a member which is manually movable to control the admission valve to vary the speed of movement of the body, said mechanism also including a governor operatively connected to the admission valve and provided with a speed changer which is adjusted in response to movement of said member, and means responsive to prime mover speed for interrupting opening movement of the valve when the prime mover speed corresponding to the extent of admission valve opening exceeds the actual speed a predetermined amount.

2,364,666

ROTARY TILLER

Harry J. Seaman, Milwaukee, Wis.

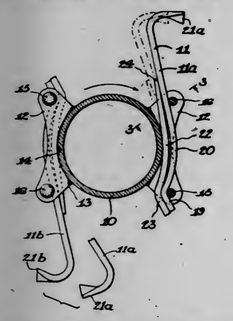
Application September 4, 1941, Serial No. 409,521
3 Claims. (Cl. 97—212)



1. In a rotary tiller, the combination of a rotatable member having a pivot member, a tool projecting outwardly from said rotatable member and having an open hook at its inner end detachably engageable with said pivot member and normally retained against said pivot member by working pressure on said tool, and resilient means for yieldably resisting rearward pivotal movement of said tool, the free extremity of said hooked tool end being normally at the outer side of said pivot member, and said tool being swingable on said pivot member in a forward direction beyond its normal position to place said free extremity of the

open hooked tool end at the inner side of said pivot member and thereby permit detachment of said hooked end from said pivot member by longitudinal displacement of the tool.

2,364,667
ROTARY TILLING IMPLEMENT
Harry J. Seaman, Milwaukee, Wis.
Application March 16, 1942, Serial No. 434,860
13 Claims. (Cl. 97—216)



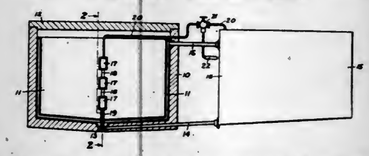
1. In a rotary tiller, the combination of a rotatable shaft, abutment members carried by said shaft in circumferentially spaced relation and spaced outwardly from the periphery of the shaft, and a tool member projecting outwardly from said shaft and interposed between the periphery of said shaft and said abutment members, said tool member having a resilient part bearing at an intermediate point on said shaft and held under flexural stress by said abutment members to impose an outward spring pressure against said abutment members, one of said abutment members forming a pivot against which an end portion of said tool member presses outwardly under the spring pressure of said resilient part.

2,364,668
RESILIENT FASTENER
John W. Simmons, Cleveland Heights, Ohio
Application October 15, 1943, Serial No. 506,385
16 Claims. (Cl. 85—32)



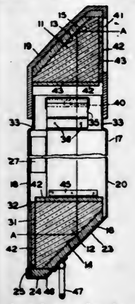
1. An article of the class described constructed of an elongate piece of material and comprising a base, a part turned back over the base and incorporating at its end remote from its junction with the end of the base an element contacting portion provided with a plurality of serrations for engagement with a number of longitudinally spaced parts on one side of an entering element, an abutment substantially fixed with respect to the base in opposed relation to said side of the entering element and wherewith the terminal of said turned back part engages, and a second element contacting portion sustained by the base in opposed relation to the first mentioned contacting portion, the base having a formation to allow clearance for an entering element that is adapted to be projected through the plane of the base and engaged between the aforesaid element contacting portions.

2,364,669
APPARATUS FOR REFRIGERATION SYSTEMS
William Albert Sisson, Elizabeth, N. J., assignor, by mesne assignments, to Cold Control, Inc., a corporation of Delaware
Application June 7, 1941, Serial No. 396,982
6 Claims. (Cl. 62—91.5)



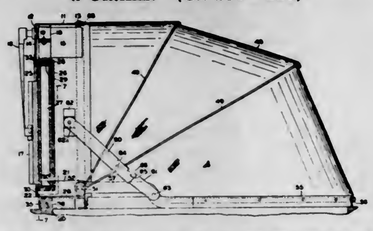
1. A refrigerating system comprising insulated condenser means to hold a primary refrigerant, evaporator means external thereof, a connection between the bottom of the condenser means and the evaporator means for liquid flow therebetween, a connection between the top of the evaporator means and the condenser means for gaseous flow therebetween, a secondary refrigerant in the condenser means and evaporator means, a storage means within the insulated condenser means and connected with one of the aforesaid means adjacent the bottom thereof, a connection from the top of the storage means to the top of the evaporator means, and a thermostatically controlled valve in the last mentioned connection whereby upon closing of the valve gaseous secondary refrigerant is condensed in the storage means which draws liquid refrigerant into the storage means from the condenser and evaporator.

2,364,670
PERISCOPIC VISION DEVICE
David R. Stamy, Huntington Woods, and Charles E. Fisher, Detroit, Mich., assignors to The Standard Products Company, Detroit, Mich., a corporation of Ohio
Application May 29, 1942, Serial No. 444,976
7 Claims. (Cl. 88—68)



1. A periscopic viewing device, comprising a pair of internally reflecting prisms, and a container for enclosing said prisms, said container having a body portion closed at one end and having a removable closure for its other end, one of said prisms being mounted in said body portion at its closed end and the other of said prisms being mounted in said closure, said body portion and said closure having viewing apertures in optical registry with said prisms, said closure and said body portion having telescopingly lapped edge portions when said closure is in operative position, the lapped edge of said body portion having an aperture therethrough, the complementary lapped edge of said closure having on its internal face a recess in registry with said aperture and snap catch means carried by said body portion and having a projecting portion extending through said aperture and seating in said recess when the closure is in said operative position.

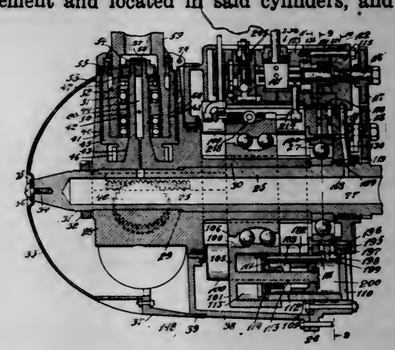
2,364,671
TANK HATCH HOOD
David R. Stamy, Huntington Woods, Charles E. Fisher, Detroit, and John R. Finn, Dearborn, Mich., assignors to The Standard Products Company, Detroit, Mich., a corporation of Ohio
Application June 18, 1942, Serial No. 447,550
2 Claims. (Cl. 296—110)



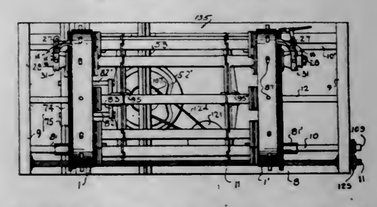
1. A removable cover for an aperture in an armored tank hatch wall, said cover being adapted to be attached or demounted by an operator within said hatch, said cover having a front wall structure comprising a base member, an arch-like frame element carried by said base member, and a windshield unit supported within said frame element, a collapsible top extending rearwardly from said front wall structure, said top having a front arched edge portion and a bottom peripheral edge portion, said front edge portion being fixedly attached to said arch-like frame element, and said bottom peripheral edge portion having edge reinforcing means pivotally attached to said front wall assembly, an upright outer portion of said arch-like frame element having on its external surface a projection, an elongated bolt member removably depending from said projection and having on its upper end adjustable attaching means for retaining it in said depending relationship, the lower end of said bolt having a laterally offset portion thereon, and a lug on said tank hatch wall adapted to engage the said offset portion of said bolt whereby said cover is removably retainable on said tank hatch wall.

2,364,672
AERIAL PROPULSION
Robert Stevenson, Providence, R. I., assignor to Stevenson Engineering Corporation, a corporation of Rhode Island
Application March 6, 1939, Serial No. 259,943
9 Claims. (Cl. 170—163)

1. In a mechanism for aerial propulsion, a non-rotatable casing having a bearing extending therethrough, a rotary propeller shaft journaled in said bearing, a hub splined to said shaft and having a collar extending therefrom, blade units rotatably mounted in said hub about an axis at right angles to the axis of said shaft, a gear at the inner end of each of said blade units, an element having a ball bearing with the inner raceway portion slidable along said collar and splined thereto, racks carried by said inner raceway and engageable with said gears, guides fixed to and extending from a wall of said casing for supporting and directing the movement of said element, cylinders fixed to and extending from said wall, pistons secured to said element and located in said cylinders, and hydraulic means for operating said pistons in said cylinders.



2,364,673
GLASS FORMING APPARATUS
William P. Stuckert, Marblehead, and Harold H. Snyder, Lynn, Mass., assignors to Sylvania Electric Products Inc., a corporation of Massachusetts
Application March 15, 1941, Serial No. 383,586
7 Claims. (Cl. 49—7)

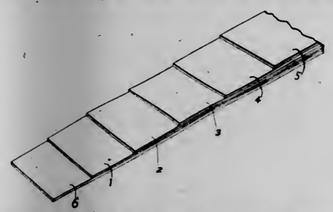


1. In apparatus for forming the ends of glass envelopes; a conveyor mounted for indexing movement through a series of stations and having means for holding a glass envelope thereon; a pair of supporting units mounted, with said conveyor therebetween, for simultaneous and corresponding movement toward and away from said conveyor and each other; a plurality of burners and a forming assembly on each of said units, said forming assembly including operating means movable in addition to the movement of the supporting units: power supplying means; a master cam wheel driven from said power supplying means; three different cam surfaces on said master cam; and an indexing mechanism between one of said cam surfaces and said conveyor, a movement control means between another of said cam surfaces and said supporting units, and a movement control means between the other cam surface and said forming assembly operating means.

2,364,674
METALLIC LEAF
Donald D. Swift, Hartford, Conn., assignor to M. Swift & Sons, Inc., a corporation of Connecticut
Application November 27, 1939, Serial No. 306,248
6 Claims. (Cl. 41—37)

2. In a metallic leaf roll having a carrier strip and a layer of releasable composition thereon, a layer of metallic leaf comprising a layer of light

gold, a layer of light metal, and an intermediate layer of dark metal, said layer of light gold being



contiguous said layer of releasable composition, and a layer of sizing on said metallic leaf.

2,364,675
COLOR FORMING COMPOUNDS CONTAINING SULPHONAMIDE GROUPS
Paul W. Vittum, Willard D. Peterson, and Henry D. Porter, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application July 26, 1941, Serial No. 404,235. In Great Britain March 31, 1939
7 Claims. (Cl. 95—6)

5. The method of producing a colored photographic image in a gelatino-silver halide emulsion layer, which comprises exposing the layer and developing it with a primary aromatic amino developing agent in the presence of a coupler compound having a formula selected from the group consisting of

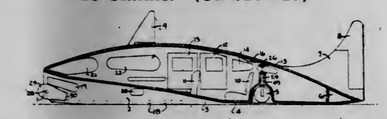
$$R—SO_2NH—R'$$

and

$$R—NHSO_2—R'$$

where R is selected from the group consisting of alkyl and aryl radicals and R' is a cyanoacetylaryl group.

2,364,676
SKIMMING AND FLYING VEHICLE
Douglas K. Warner, Sarasota, Fla.
Application May 22, 1940, Serial No. 336,545
18 Claims. (Cl. 244—15)



1. A skimming and flying vehicle provided with a concaved compression chamber in its forward portion, open beneath its leading edge, located wholly underneath the bottom of the fuselage, deep at front and diminishing to the rear, and an engine and blower mounted in the front of said compression chamber and having its nozzle or jet end directed diagonally downward and rearward to discharge away from the bottom of the vehicle and against the take-off surface and the air beneath, in skimming and flight.

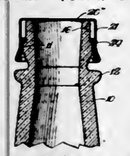
2,364,677
COMPRESSION AIRPLANE
Douglas K. Warner, Sarasota, Fla.
Application November 13, 1940, Serial No. 365,446
15 Claims. (Cl. 244—15)

1. An airplane comprising a raised central section formed with a deeply indented upraised exterior air-pressure chamber in its under surface, substantially exposed to the water, land and air surfaces beneath and terminating at or near the trailing edge of the plane completely underneath the bottom surface thereof, with no intervening floor or bottom at this rear portion of the said pressure chamber or upraised surface, and no obstruction between said upraised rear portion and



the water, land or air thereunder, whereby air pressure from said pressure chamber is directly upon and against said elements thereunder, a compressor power system located in communication with said exterior pressure chamber, and means for discharging a stream of compressed air therefrom into said pressure-chamber.

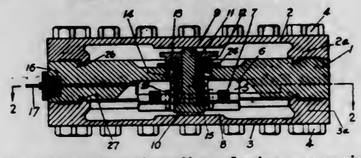
2,364,678
PACKAGE
Philip O'C. White, Chicago, Ill., assignor to White Cap Company, Chicago, Ill., a corporation of Delaware
Application November 10, 1938, Serial No. 239,845
2 Claims. (Cl. 215—40)



1. In a packing container, a receptacle having a mouth at its upper end and an approximately cylindrical peripheral sealing surface of substantial axial extent spaced below its mouth and an annular lip portion of smaller external diameter than said cylindrical sealing surface extending upwardly from the latter to the mouth rim, the periphery of said receptacle being formed with an outwardly sloping shoulder between said lip portion and the upper extremity of said cylindrical sealing surface; and a closure cap shell having a top portion and a depending annular skirt formed with an approximately cylindrical upper part adapted to surround in spaced relation thereto said lip and sealing surface, and a downwardly flaring lower part below said cylindrical upper part; and a sleeve gasket of elastic sealing material extending upwardly in the shell in contracting form along the inner surface of the skirt with its upper end spaced from the top of the shell and its lower end fastened to the lower end of the skirt; the cylindrical part of the skirt being of depth sufficient to receive both the lip portion and a substantial area of the sealing surface of the receptacle when the closure is fully seated on the receptacle, and the portion of the gasket within the cylindrical part of the skirt being of lesser internal diameter than the external diameter of the sealing surface, whereby to permit a substantial area of the gasket to be elastically compressed radially between the sealing surface of the receptacle and the lower portion of the cylindrical part of the skirt when the closure is pressed axially downward on the receptacle and the sealing surface intruded within the gasket, thereby frictionally securing the closure on the receptacle by the constrictive gripping action of the gasket and forming an hermetic seal between them; the lip portion of the receptacle being of diameter and height such as to pass freely through the orifice of the gasket into the cylindrical part of the shell and retain the

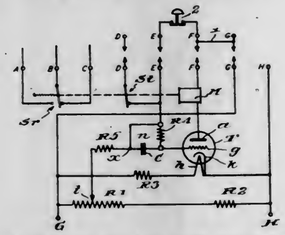
closure against toppling off of the receptacle when it is resting loosely thereon with the gasket bearing on the sloping shoulder but out of sealing engagement with the sealing surface.

2,364,679
APPARATUS FOR SUBMARINE SIGNALING
Robert Longfellow Williams, Newton, Mass., assignor to Submarine Signal Company, Boston, Mass., a corporation of Maine
Application October 8, 1941, Serial No. 414,122
4 Claims. (Cl. 177—386)



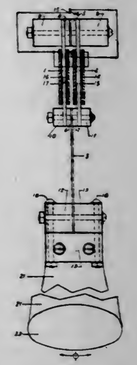
1. A submarine signaling device comprising a watertight casing formed of a pair of axially aligned juxtaposed cylindrical members secured together and having heavy rim portions and thinner central portions, defining a cavity within said casing, one of said members being adapted to act as an underwater sound radiating diaphragm adapted by one face to contact the water, the second of said members having a central aperture, electromagnet poles secured to said second member within said cavity and surrounding said aperture, a striker mounted for axial oscillation within said aperture and adapted to strike said diaphragm, an armature carried by said striker adapted to be attracted by said magnet, spring means tending to urge said striker against said diaphragm and said armature away from said magnet, coil means adapted to be energized by alternating current for exciting said magnet and means forming a watertight cover over the back side of said second member.

2,364,680
TIMER
William F. Wolfner, II, Methuen, Mass., assignor to Photoswitch Incorporated, Cambridge, Mass., a corporation of Massachusetts
Application January 19, 1942, Serial No. 427,287
10 Claims. (Cl. 250—27)



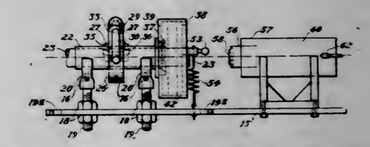
1. An electric control circuit comprising a current source having two terminals supplying a potential difference, an electron discharge device having anode, cathode, and control electrode, connections including a current responsive device from said anode and said cathode to respective ones of said terminals, potential supply means having a point of potential intermediate those of said cathode and said anode, a timing circuit for storing and gradually dissipating an electric charge permanently connected between said control electrode and said point, and a switch adapted to establish an independent path, apart from said potential supply means and said timing circuit, connecting said intermediate point with said anode connection while said circuit remains connected to said point.

2,364,681
PENDULUM SUPPORT
Russell B. Wright, Washington, D. C.
Application August 25, 1941, Serial No. 408,235
4 Claims. (Cl. 171—327)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



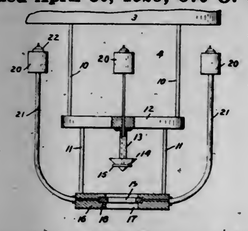
1. A precision pendulum comprising a pair of piezo-electric elements mounted in parallel relation and similarly oriented, means for rigidly holding said piezo-electric elements at one end, means clamping the opposite ends of said elements to one end of a thin flexible element suspending a pendulus mass at its opposite end, and means for electrostatically exciting said piezo-electric elements to simultaneously cause lengthening of one element and shortening of the other element, whereby said pendulus mass swings at its natural frequency responsive to the excitation of said piezo-electric elements at said frequency, pivoting partly in said pair of piezo-electric elements and partly in said thin flexible element.

2,364,682
HOSE-COUPLING INSERTING MACHINE
Wallace E. Ziegler, Philadelphia, Pa.
Application December 15, 1942, Serial No. 469,113
2 Claims. (Cl. 29—283)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



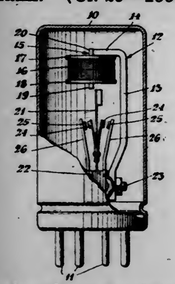
1. Means for holding a hose end in a predetermined axially aligned position, comprising means resiliently urged inwardly to engage the extreme end of the hose at a plurality of points about its periphery to urge the hose into the said axially aligned position, and means for positively holding the hose in this position at a point slightly spaced from the said extreme end of the hose.

2,364,683
AUTOMATIC OILER FOR CALIBER .50 CARTRIDGE CASES FOR TAPERING MACHINES
Louis J. Znamierowski, Philadelphia, Pa.
Application July 16, 1942, Serial No. 451,237
4 Claims. (Cl. 91—39)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



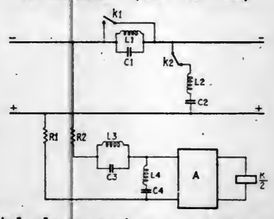
1. An oiler for cartridge cases and the like cylindrical objects comprising a table support, a standard centrally of and depending from said support and having an axial passage, an inverted conical member on the lower portion of said standard and having an annular groove in its slant surface, a porous oil dispensing member of annular shape received in said groove, a second table support attached to said first table support lying below the said conical member and having a central circular opening with an annular channel in the inner surface thereof, and a porous oil dispensing member of annular shape received therein, said circular opening being concentric with the axis of said conical member.

2,364,684
METHOD OF MAKING VIBRATORS
Robert J. Aust, Indianapolis, Ind., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
Application October 31, 1941, Serial No. 417,361
1 Claim. (Cl. 29—155.5)



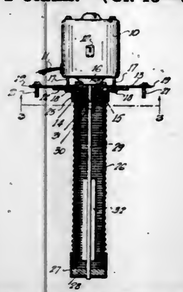
The method of making an electromagnetic vibratory interrupter magnet assembly including the following steps: bending over an end of an elongated piece of strip metal stock at substantially right angles to the main body thereof, threading a pair of end discs onto the body of a pole piece having a straight body portion with a long cross-arm integrally formed at one end thereof and a shorter cross-arm integrally formed at the other end thereof, said end discs having central slots therein longer than the shorter cross-arm of said pole piece, said slots being notched at their central portion to provide shorter cross slots, said longer slots being aligned with the shorter cross-arm of the said pole piece when said discs are threaded thereover, then rotating said discs through 90° to bring said shorter cross slots into engagement with the edges of the body portion of said pole piece near its ends, then winding an insulated wire directly onto the body of said pole piece, and then welding the cross-arm of the pole piece against the free end of the bent over portion of said piece of strip metal stock with the body of said pole piece extending in the same direction as the body of said strip metal stock in spaced parallel relation thereto.

2,364,685
TELEPHONE SYSTEM
George Thomas Baker, Liverpool, England, assignor, by mesne assignments, to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application February 6, 1943, Serial No. 474,905
In Great Britain April 28, 1942
10 Claims. (Cl. 179—84)



1. In a telephone system employing voice frequency currents for the transmission of signals, a line for the setting up and supervision of a signalling and talking connection, means normally effective to obstruct the passage over said line of currents of one or more frequencies in the voice frequency range, and means responsive to currents of non-signalling frequencies to remove said obstruction to allow transmission of said frequencies over the line.

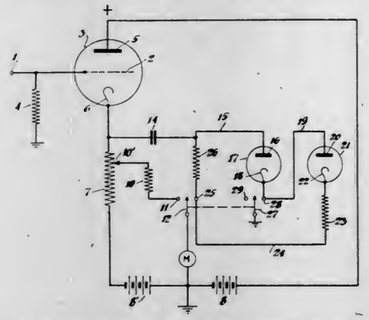
2,364,686
AERATING DEVICE FOR FISH CONTAINERS
Joseph F. Balisteri and Kenneth H. O'Rear, Dallas, Tex.
Application October 21, 1943, Serial No. 507,094
1 Claim. (Cl. 43—57)



A water aerating attachment for live bait containers, comprising a motor having an armature shaft, a mounting plate having a countersunk central portion, a flanged collar under said plate, relatively parallel bolts extending axially through the housing of said motor, said plate and the flange of said collar to secure the latter rigidly to said motor, a water-proof washer compressedly held in and in conformity with the countersunk portion of said plate by an end of said motor housing and embracing said armature shaft, a foraminous tube connected to

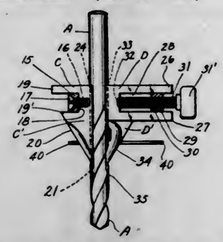
and depending from said collar on the underside of said plate, having a closed lower end, and adapted to be submerged in water in said container, a shaft disposed axially in said tube and journaled at its lower end in the lower end of said tube, means effecting flexible connection between the upper end of said shaft with said armature shaft and means carried by said axial shaft to effect circulation of water when said motor is operated.

2,364,687
VACUUM TUBE VOLTMETER CIRCUIT
John Richard Banker, Passaic, N. J., assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J., a corporation of Delaware
Application April 24, 1943, Serial No. 484,498
10 Claims. (Cl. 171—95)



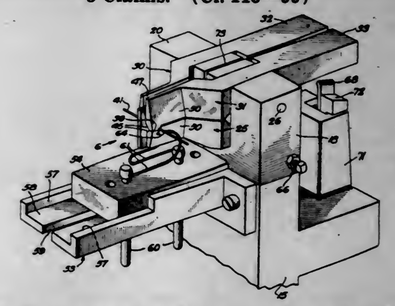
1. A voltmeter circuit, comprising a vacuum tube having a plate, a grid and a cathode, and also comprising a fixed resistance in the cathode circuit of said tube, a meter and a resistance in series between a variable point on said first named resistance and ground, and terminals for connecting sources of direct current potential from ground to said plate and said fixed resistance, respectively.

2,364,688
ATTACHMENT FOR DRILLS
Joseph E. Bovee, Seattle, Wash.
Application October 25, 1943, Serial No. 507,636
1 Claim. (Cl. 77—66)



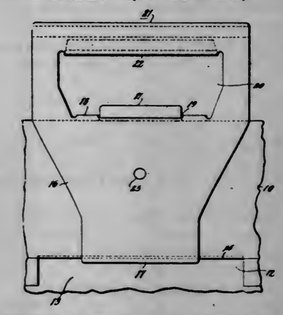
A pair of cutters for use with a twist drill having flutes and lands thereon along the body thereof, means for adjustably connecting the cutters to opposite sides of the drill and tapering downward and inward for cutting counterbores, the lower points of such cutters extended into opposite flutes on the drill adjoining the front edges of opposite lands, said cutters having their inner edges concaved for extending over lands above the lower points of the cutters and the front faces thereof curved and fluted for removal of cuttings and to facilitate the rapid formation of smooth based counterbores.

2,364,689
ASSEMBLING APPARATUS
Robert E. Brooks, Maywood, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application May 8, 1943, Serial No. 486,243
5 Claims. (Cl. 113—99)



1. In an apparatus for assembling and locating parts of an article relative to each other for attachment by soldering wherein a first part includes members extending therefrom for attachment to solder on the ends of yieldable members carried on a second part, a support, cooperating sets of jaws mounted on said support, one set being pivotally mounted for movement to and from the other set, each set having cooperating depressions for receiving and locating the members of and said first part in one direction, said first set adapted to freely engageably receive therebetween said first part to locate the same and its members in another direction relative to said other set of jaws, said other set of jaws having predeterminedly spaced gauge faces at their outer sides, and means for guiding, supporting and locating said second part and its members relative to said first part and its members, the solder on the ends of the yieldable members engaging the gauge faces of said other set of jaws for locating the same relative to the members on said first part.

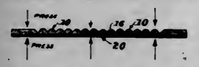
2,364,690
BOX AND HANDLE THEREFOR
Raymond A. Bruner, Muncie, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application October 16, 1942, Serial No. 462,250
1 Claim. (Cl. 16—114)



In combination with a molded box having a shoulder extending in a plane parallel to the top of the box and including a lug on the top of the box and on the same side thereof as said shoulder; a readily attachable and detachable handle having an apertured flange adapted to fit

over said lug and a second flange for engaging the shoulder, said two flanges being angled so as to diverge with respect to one another so that the first flange can be positioned over said lug before the second flange engages the shoulder, said first flange holding the second flange from slipping off the shoulder when in engagement therewith when the box is being lifted by a vertical pull on said handle.

2,364,691
METHOD OF MAKING SHOE SOLES
Warren Oakley Cagney, Garden City, N. Y., assignor to Cagney-Storer, Inc., New York, N. Y., a corporation of New York
Application December 14, 1942, Serial No. 468,970
1 Claim. (Cl. 12—146)

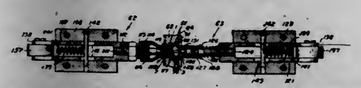


The method of making a shoe sole including a tread element formed of bodily rigid material comprising grooving a strip of the rigid material of a width substantially equal to half the length of the sole to be formed, with the grooves extending longitudinally of the strip, the portion of the strip adjacent one edge thereof being left ungrooved, securing two of the strips in side by side relation to a layer of bendable material with their grooves parallel and their ungrooved portions outermost, and cutting the soles from the strip material and bendable material along such lines that the length of each sole will extend transversely to the grooves and so that alternate soles will extend in opposite directions and each will have its toe portion formed of the ungrooved surface of an alternate strip.

2,364,692
TEXTILE PRINTING EMULSIONS
Norman S. Cassel, Ridgewood, N. J., assignor to Interchemical Corporation, New York, N. Y., a corporation of Ohio
No Drawing. Application August 3, 1940, Serial No. 351,206
7 Claims. (Cl. 260—29)

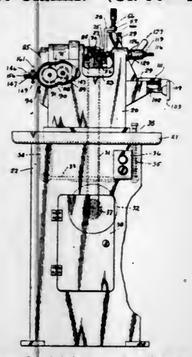
1. An emulsion comprising an aqueous phase, a phase consisting essentially of a volatile water-immiscible organic liquid having dissolved therein less than 10% of non-volatile, including an agent capable of producing a stable emulsion of water and said liquid; and a dispersed phase of pigmented resin-solvent aggregate derived from a heat-convertible resin lacquer which is miscible with limited quantities of said organic liquid, but immiscible with the quantities employed in the emulsion.

2,364,693
RIVET MAKING APPARATUS
Carl W. Cherry, Carmel, and Alex S. Mullgardt, Altadena, Calif.; said Mullgardt assignor to said Cherry
Original application May 24, 1940, Serial No. 337,028, now Patent No. 2,317,360, dated April 27, 1943. Divided and this application March 27, 1943, Serial No. 480,870
18 Claims. (Cl. 10—13)



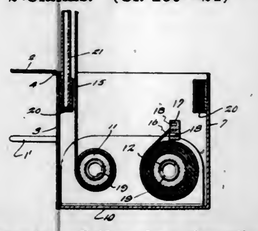
1. Apparatus for completing a rivet assembly of a tubular rivet and a former stem member extended through said rivet comprising, a holder for holding the tubular rivet and the tail end of the stem member in a predetermined assembly position, a removable holder to engage the stem member between the rivet head and the other end of the stem member, a forming head movable over the end of the stem above said removable holder, and a plunger movable in the forming head to form an engagement head on said end and to tighten said stem in said tubular rivet in said predetermined position.

2,364,694
HOBBING MACHINE
John Cetrule, West Orange, N. J.
Application May 22, 1942, Serial No. 444,135
10 Claims. (Cl. 90—4)



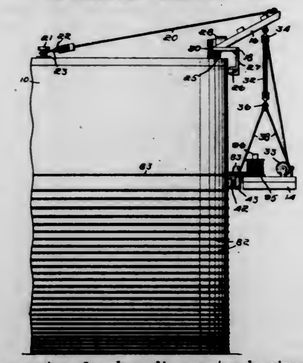
1. In a gear hobbing machine, a horizontal hob feed slide, means for driving said hob feed slide to a finish position, a vertical hob support slide mounted on said hob feed slide, a stop rod vertically slidably mounted on said hob feed slide, a height adjustment micrometer mounted on said hob support slide and resting on said stop rod, and means for bodily lowering said stop rod when said hob feed slide reaches its finish position.

2,364,695
BACKGROUND SCREEN FOR PHOTOGRAPHERS AND THE LIKE
Arnold Bert Coleman, Chicago, Ill.
Application November 22, 1943, Serial No. 511,217
2 Claims. (Cl. 160—24)



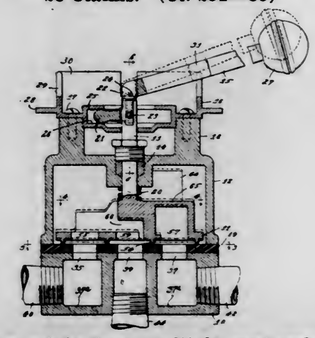
2. In apparatus of the class described, a box-like base structure, a pair of rollers rotatably mounted therein to extend longitudinally thereof along opposite sides of the same, a pair of flexible sheets of material attached to said rollers, respectively, for unrolling therefrom into upright position, selectively, and means to sustain the selected sheet in upright position comprising a pair of telescopic sectional supports, keepers on said structure for holding said supports upright and arranged in pairs at opposite sides of the structure for selection of a pair on the same or opposite side of the structure as the roller from which the sheet is selected, and means on one end of the selected sheet to attach the same to said supports comprising a flat strip having said end of the selected sheet fixed thereto in the longitudinal center thereof and sockets therein upon opposite sides of the sheet for fitting over the upper ends of the supports when the latter are arranged in either pair of keepers.

2,364,696
METHOD OF AND APPARATUS FOR BANDING TANKS
John Maurice Crom, Washington, D. C.
Application February 2, 1944, Serial No. 520,770
13 Claims. (Cl. 242—7)



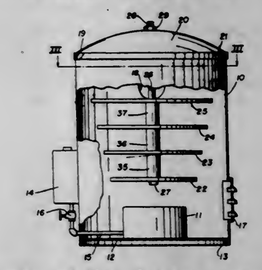
6. Apparatus for banding a tank circumferentially with continuous wire reinforcement, comprising a traction driven wheeled vehicle mounted for movement around the tank adjacent to its outer face, means for holding a driving wheel of the vehicle in traction driving contact with said face, an engine on the vehicle, driving connections from the engine to said wheel for moving the vehicle around the tank, and means on the vehicle for trailing wire reinforcement therefrom into tight contact with the tank as the vehicle passes therearound.

2,364,697
VALVE
Lee G. Daniels, Rockford, Ill.
Application August 31, 1931, Serial No. 560,303
28 Claims. (Cl. 251—85)



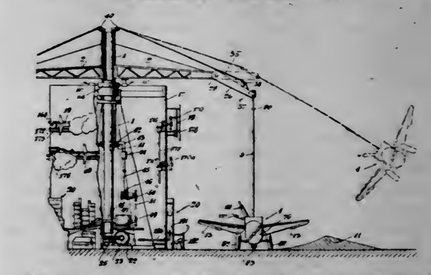
8. In a plate type multiple port valve, comprising two members having multiple ports, a resilient gasket between them and secured to the stationary member, the movable member having rings around its ports adapted to press into the resilient gasket to seal off one port from another, and means compelling the movable member to be lifted off its seat before it can be moved to another position.

2,364,698
HEATING APPARATUS
John Davin, Chicago, Ill.
Application May 24, 1941, Serial No. 395,039
1 Claim. (Cl. 110—97)



In a device of the character mentioned, the combination with an enclosed combustion chamber, of a burner in said chamber, means for directing fuel to said burner, there being air intake and flue discharge means at spaced points in said combustion chamber, a rod adjustably suspended in said combustion chamber, a series of superposed baffle plates spaced along said rod for support in said combustion chamber between said air intake and flue discharge, said baffle plates being relatively rotatable on said rod and of sequentially larger size from the lower end of said rod, and means exteriorly of said combustion chamber in operative connection with said rod to vary the vertical position of said baffle plates relative to said burner, each of said baffle plates having a single circumferential series of apertures therein, said apertures being spaced inwardly from the circumferential edge of said baffle plates so that their respective diameters are in overlapping relation, the size of the apertures in each of said baffle plates being generally proportional to the sequential size of said baffle plates to provide a substantial variation in the baffling of the products of combustions depending upon the relative rotative position of the baffle plates to each other.

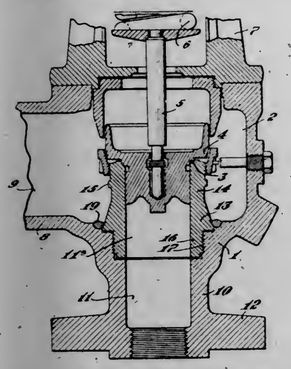
2,364,699
AMUSEMENT OR INSTRUCTION DEVICE
Nathaniel Eastman, New York, N. Y., assignor, by direct and mesne assignments, to Futura Amusement Corporation, New York, N. Y., a corporation of New York
Application June 28, 1941, Serial No. 400,258
26 Claims. (Cl. 272—41)



13. An amusement device of the class described comprising, in combination, a central shaft,

rotatable supporting arms adjacent the upper end of said shaft, vehicle supporting means mounted on said supporting arms including a pair of pulleys, vehicles tiltably suspended from said pulleys and adapted to move about a circular path and to simultaneously move outwardly due to centrifugal force upon rotation of said arms, and an inclined runway adapted to support said vehicles during part of the movements thereof.

2,364,700
SAFETY VALVE
Albert D. Eplett, Bridgeport, Conn., assignor to Manning, Maxwell & Moore, Incorporated, New York, N. Y., a corporation of New Jersey
Application August 21, 1943, Serial No. 499,489
6 Claims. (Cl. 251—167)



1. A safety valve of the kind wherein the valve casing includes a hollow body portion which houses a seat-supporting bushing and which has means providing a union between the bushing and casing, characterized in that said union includes a loose screw-threaded connection between the bushing and casing and a seal-weld providing a permanent leak-tight joint between the bushing and casing.

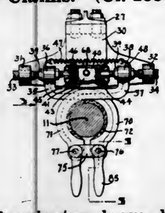
2,364,701
PROCESS FOR PRODUCTION OF CITRIC ACID BY FERMENTATION
William Eisenman and Max D. Blumenfeld, New York, N. Y., assignors, by mesne assignments, to Heyden Chemical Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application November 7, 1941, Serial No. 418,164
5 Claims. (Cl. 195—36)

2. The process for producing citric acid, which comprises fermenting a sucrose medium containing from 9 grams to 15 grams of an organic nitrogen-containing compound and 14 grams to 26 grams of a potassium salt of an organic acid per 2500 cc. of mixture containing 20% sucrose, with *Aspergillus niger*.

2,364,702
ELECTRICAL CONDUCTOR
Donald Finlayson, Ernest Leslie Greenwood, and William John Simpson, Spondon, near Derby, England, assignors to British Celanese Limited, London, England, a company of Great Britain
No Drawing. Application August 4, 1942, Serial No. 453,558. In Great Britain July 7, 1941
3 Claims. (Cl. 57—162)

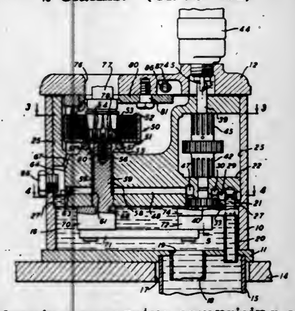
1. Method of insulating wire for use as an electrical conductor, said method comprising lapping the wire with fine artificial filaments having a denier not greater than 1.5 and consisting of a thermoplastic material having electrically insulating properties, applying to the lapped wire a liquid softening agent for the substance of the filaments, and then subjecting the wire to the action of heat so as to cause the filaments on the wire to coalesce and form a continuous insulating cover for the wire.

2,364,703
BRAKE FOR AXMINSTER LOOM PULL-OVER SHAFTS
Norman Fletcher, Worcester, and Walter Y. Robb, Whitinsville, Mass., assignors to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Original application September 28, 1942, Serial No. 459,936. Divided and this application March 8, 1943, Serial No. 478,388
6 Claims. (Cl. 188—75)



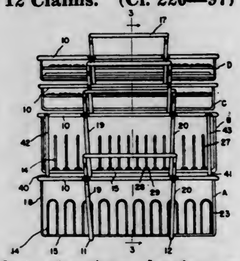
1. In an Axminster loom having a pullover shaft for the tube frame transporting chains, a pair of brake shoes disposed around said shaft, a link extending between said shoes, an eccentric connected to said link for each of said shoes, and means connected to said shoes capable of moving the latter into braking relation with respect to the shaft, said eccentrics in normal position causing the means to apply a braking force on said shaft through said shoes, but said eccentrics when shifted from normal position preventing said means from transmitting braking force through said shoes to the shaft.

2,364,704
CLEANING APPARATUS
Erwin E. Franz, Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application June 5, 1942, Serial No. 445,917
2 Claims. (Cl. 15—24)



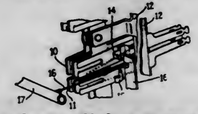
1. A cleaning apparatus comprising a cleaning unit including a cup-shaped element, with apertures disposed in a circular arrangement in the bottom portion thereof, and opposing brushes with their free ends substantially meeting adjacent the apertures, a shaft, having longitudinally extending grooves therein communicating with the apertures, supporting the unit, means to support the shaft for movement about its axis, a reservoir for a supply of cleaning fluid, a feeding passageway leading from the reservoir to the grooves in the shaft, operable fluid circulating means disposed in the feeding passageway to force fluid from the supply through the passageway, the grooves, the apertures and through the brushes to overflow the open end of the element, a return passageway to receive the fluid overflowing from the element and return it to the reservoir, power means to operate the circulating means, and means to operatively connect the shaft to the power means to cause oscillation of the shaft and unit to cause the brushes, aided by the fluid traveling therethrough, to remove foreign particles from an article disposed between the brushes.

2,364,705
BASKET STRUCTURE
Jerry Geralds, Detroit, Mich., assignor to Mid-West Wire Products Company, Inc., Detroit, Mich., a corporation of Michigan
Application June 22, 1942, Serial No. 448,017
12 Claims. (Cl. 220—97)



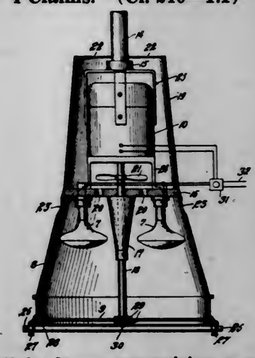
1. A basket structure having an elongated frame of the closed loop type, and laterally spaced longitudinally extending supporting runners beneath said frame and having upward extensions secured to opposite ends of said frame, said extensions projecting upwardly beyond said frame and terminating in connecting transversely extending handles, the portions of said extensions between the runners and frame diverging upward, and the portions of said extensions between the frame and handles being substantially V shape extending inward and diverging outward for overlapping interlocking engagement with the first mentioned portions of a superposed basket.

2,364,706
CROSSBAR SWITCH
Charles Gillings and Lawrence John Murray, Liverpool, England, assignors, by mesne assignments, to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application February 24, 1943, Serial No. 476,898
In Great Britain May 28, 1942
3 Claims. (Cl. 179—27.54)



1. In a crossbar switch, a preparing bar having a normal position and an operated position, a holding bar having a normal position and an operated position, each of said bars being movable from one of its positions to the other, a member having a normal position and moved to an operated position under the joint control of said bars whenever said preparing bar is moved to its operated position while said holding bar is at normal and said holding bar thereafter is moved to its operated position before said preparing bar returns to normal, means for restraining said member in its normal position in the event that said holding bar is moved to its operated position while said preparing bar is at normal and said preparing bar thereafter is moved to its operated position before said holding bar returns to normal, and a set of circuit controlling contacts operated by said member whenever said member is in its operated position.

2,364,707
DAYLIGHT LAMP
William Harvey Glover, Newark, N. J.
Application May 31, 1943, Serial No. 489,229
4 Claims. (Cl. 240—1.1)

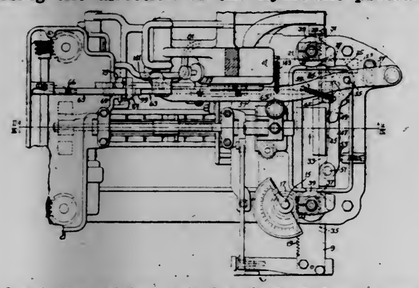


1. A daylight lamp, comprising a vertical suspension post, a vertical shaft motor secured at its upper end to said post, a horizontal partition secured to the lower end of said motor, lamps mounted on the underside of said partition, a light reflector suspended from said partition, a spindle journalled on said partition and forming an extension of the lower end of the motor shaft, a color disc mounted on the lower end of said spindle within said reflector, said motor being spaced above the partition and carrying a fan operating in the space so provided, said partition having air passages therethrough and the edge of the color disc being spaced from the surrounding wall of the reflector to admit flow of air drawn across the face of the disc up around the edges of said disc.

2,364,708
GRADING MACHINE
Joseph Gouldbourn, Leicester, England, assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application April 7, 1943, Serial No. 482,118
In Great Britain April 24, 1942
8 Claims. (Cl. 33—147)

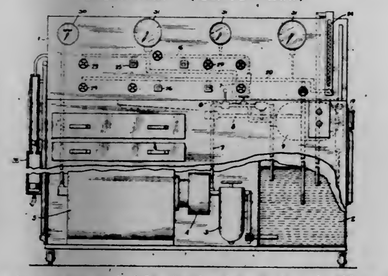
1. A combination measuring mechanism responsive to variations in the thickness of a workpiece passing through the machine, operating mechanism, mechanism for adjusting the operating mechanism in accordance with the thickness of a thin spot encountered by the measuring mechanism, said adjusting mechanism including a setting member having rack teeth, a pawl for cooperating with said teeth and hydraulic means for moving the setting member, the pawl permit-

ting movement in a direction corresponding to thinner spots encountered by the measuring mechanism, means becoming operative after the completion of the measuring operation for reversing the direction of the hydraulic pressure



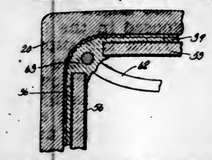
to hold the setting member locked from movement in either direction, means for withdrawing the pawl, and means acting just prior to said withdrawal for again reversing the direction of the hydraulic pressure to permit ready withdrawal of said pawl.

2,364,709
PORTABLE HYDRAULIC TEST STAND FOR AIRCRAFT
Edward M. Greer, West Hempstead, Long Island, N. Y.
Application June 24, 1943, Serial No. 492,084
6 Claims. (Cl. 73—168)



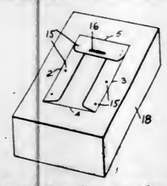
1. A transportable test stand for testing hydraulic appliances on aircraft which comprises a transportable frame, a reservoir for fluid under normal pressure mounted therein, three devices for supplying fluid under increased pressure; to wit, a high pressure variable flow pump associated with a motor, a low volume pressure pump adapted to be operated manually, and a hydraulic accumulator adapted to supply fluid under progressively decreasing pressure, conduits to feed fluid from said reservoir to said two first-mentioned devices, means to feed fluid under pressure from said first-mentioned to said third mentioned device, a plurality of pressure outlets in one of the outside walls of said frame, each including a self-sealing coupling, a plurality of return outlets in one of the outside walls of said frame, each including a self-sealing coupling, a free return line extending between all said return outlets and said reservoir, another return line extending between the same outlets and the same reservoir but including a flow meter, means to direct the return flow of fluid alternatingly through the first-mentioned and the second mentioned return line, and means, operable from the outside, to connect any desired number of pressure outlets to any desired number of devices.

2,364,710
DESTRUCTIBLE FORM
Lillian L. Greneker, New York, N. Y.
Application March 30, 1943, Serial No. 481,093
7 Claims. (Cl. 18—45)



1. A hollow form which in outside shape and size conforms to the space within a hollow article having an opening therein which is to be made on said form, the wall of said form being made of frangible material reinforced by a fabric embedded therein and also by board-like material and by a rope embedded in said frangible material, and the walls of said form being so thin where the rope is embedded that pulling out of said rope will reduce the form to pieces which may be withdrawn from the hollow article through said opening.

2,364,711
ENVELOPE
Axel H. Hakanson, Worcester, Mass., assignor to United States Envelope Company, Springfield, Mass., a corporation of Maine
Application September 16, 1943, Serial No. 502,563
2 Claims. (Cl. 229—74)



1. As a new article of manufacture, an envelope adapted for attachment by tacks or nails to a box, case or the like, said envelope being made from a one-piece blank having a substantially rectangular body portion forming one envelope wall, and having a back flap and two side flaps, the latter being folded over and adhesively united in overlapping relation to the side edges of said back flap, for the formation of the other envelope wall, said side edges of said back flap being appreciably spaced from the lines of fold of said side flaps, and the latter between said lines of fold and said side edges being adhesively united to said body portion, thereby to form, beyond the side edges of the envelope pocket or contents-receiving space, areas of appreciable width for the driving of said tacks or nails without damage to the contents of said pocket.

2,364,712
CONDENSATION PRODUCTS OF PHENOLS AND PHENOLIC ETHERS, AND METHOD OF PREPARING THE SAME
Mortimer T. Harvey, East Orange, N. J., assignor to Harvel Research Corporation, a corporation of New Jersey
No Drawing. Application October 10, 1942, Serial No. 461,600
12 Claims. (Cl. 260—613)

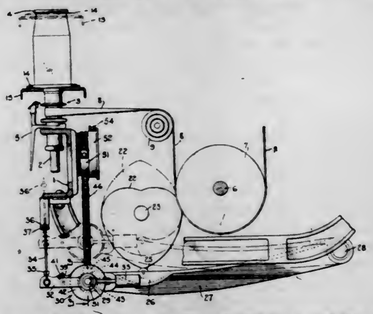
1. The method which comprises subjecting a mixture of a phenol free of unsaturated hydrocarbon substituents and of the class consisting of hydroxybenzene, naphthol, anthranol and their homologues with an alkyl ether of a phenol having an unsaturated hydrocarbon substituent to a condensing reaction in the presence of a katenoid condensing agent.

2,364,713
BEARING
Franz R. Hensel, Indianapolis, Ind., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
Application June 22, 1943, Serial No. 491,749
12 Claims. (Cl. 308—237)



1. A bearing formed of a porous body of a non-amalgamating material, and mercury in the pores of said body.

2,364,714
YARN WINDING
Charles L. Hivick, Cresaptown, and George L. McLuckie, Frostburg, Md., assignors to Celanese Corporation of America, a corporation of Delaware
Application February 28, 1942, Serial No. 432,722
9 Claims. (Cl. 242—43.4)

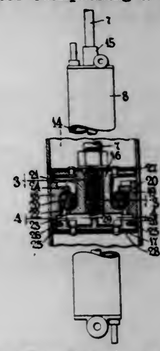


2. In a device for winding bobbins and the like, the combination with a ring twisting device having a traverse bar and a ring for directing yarn on to the bobbin, a builder arm for imparting motion to said traverse bar and a constant moving drive for oscillating said builder arm, of means, including an idler pulley having a flat face thereon, for accelerating and de-accelerating the motion of said traverse bar, imparted thereto through said builder arm by said constant drive, as the yarn is applied to a section at one end of said bobbin, and means for continuously varying the wind on said bobbin by a step-by-step motion relative to the package being formed, said wind-varying means comprising a creeper gear arrangement mounted on said builder arm and including an eccentric bearing operatively connected to said idler pulley.

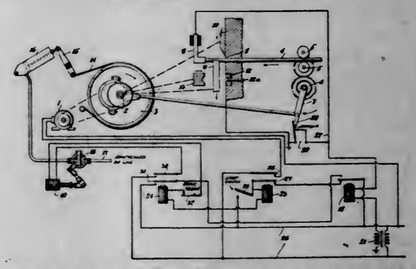
2,364,715
FLUID MOTOR
Erwin C. Horton, Hamburg, and Anton Rappl, Buffalo, N. Y., assignors to Trico Products Corporation, Buffalo, N. Y.
Original application July 27, 1940, Serial No. 347,941. Divided and this application November 14, 1941, Serial No. 419,139
13 Claims. (Cl. 121—40)

4. A piston for fluid motors of the class described, comprising spaced sections, one free and the other adapted for connection to a rod and each section carrying a cup packing member so positioned that fluid may flow past its edges in one direction and not in the reverse direction whereby to adapt one section for operation by a fluid pressure differential in one direction and to adapt the companion section for like operation in the opposite direction, brake means mechanically coupling the two sections, said brake means operable by said rod connected section upon rod imparted movement thereof to expand radially for resisting piston movement, and resilient means interposed between the piston sections for urging them apart and thereby tending to hold the brake means inoperative.

5. A fluid motor comprising a chamber, a piston relatively slidable therein, a power transmitting member operatively connected to the piston, said piston comprising relatively movable sections each having a cup packed in sliding contact with the chamber wall and being adapted for fluid operation independently of the companion section, the flanges of the two cup packings extending toward each other whereby fluid may pass each into the intervening space for acting on the other, means for locking the piston immovable relative to the chamber, said locking means having a chamber engaging element, and means responsive to the fluid movement of either section for withdrawing the element from a chamber engaging position.



2,364,716
PROTECTIVE SYSTEM FOR HEADING MACHINES
Ernest W. Huebner and Lowell E. Peterson, Indianapolis, Ind., assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
Application February 3, 1943, Serial No. 474,598
5 Claims. (Cl. 10—11)



1. In a machine fed with conductive rod stock wherein the end of the rod is fed into said ma-

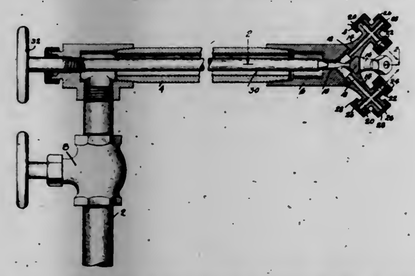
chine and a stop member stops the travel of said rod when a predetermined length of rod has entered the machine whereupon the end of said rod is cut off, the combination with said machine of a relay and an energizing circuit therefor, said energizing circuit having two parallel branches, one of said branches passing through said rod and stop in series, a switch in the other of said branches, and a cam on a cyclically operating part of said machine engageable with said switch to open the same during that part of the machine cycle in which said rod is normally against said stop before being cut off, and a brake operated responsive to the release of said relay to stop said machine whenever said relay circuit is broken by said cam operated switch (when a parallel holding circuit for said relay has not been established by said rod having engaged said stop).

2,364,717

FUEL ATOMIZING DEVICE

John H. Huss, New York, N. Y., assignor to Henry Huss, Port Chester, N. Y.

Application January 28, 1944, Serial No. 520,054
7 Claims. (Cl. 299—143)



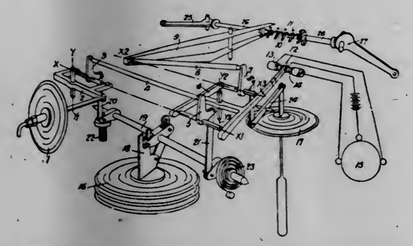
1. A fuel atomizing device comprising in combination a feed tube, a nozzle body carried at the inner end of the feed tube, pairs of nozzles branching from the nozzle body and so positioned that the fuel streams discharged from the various nozzles will impinge upon each other, and valve mechanism for varying the amount of fuel supplied to one pair of nozzles without varying the fuel supplied to the other nozzles.

2,364,718

AUTOMATIC CONTROL OF VARIABLE PHYSICAL CONDITIONS

Harold William Ibbott, London, England, assignor to Negretti & Zambra, London, England

Application February 9, 1943, Serial No. 475,289
In Great Britain July 1, 1942
5 Claims. (Cl. 74—1)



1. Automatic control apparatus comprising a primary device responsive to changes in the condition to be controlled and exerting a force against resistance to its displacement which varies according to the state of said condition, mechanical linkage serving to transmit from a force-applying device resistance to said displacement, means adapted, when the force exerted by said primary device is out of balance with the resistance thereto, to vary the state of said condition in the sense of restoring balance, and at least one secondary device responsive to changes in another factor or factors required to be taken into account in the determination of the desired state of the first-mentioned condition, which latter device operates on the mechanical linkage to vary its leverage, said mechanical linkage comprising a pivoted frame about the axis of which there are opposed moments of forces, a member to apply one of these forces to the frame, said member being pivoted about an axis inclined at approximately right angles to the axis of the frame so that the distance of the line of action of the force from the axis of the frame varies when the pivoted member is rocked, the said forces being exerted by the said primary device and said force-applying device, and the said pivotal member being rocked through the agency of the said secondary device.

2,364,719

HYDROGENATED LIQUID HYDROCARBONS

Russell L. Jenkins, Anniston, Ala., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application December 26, 1940, Serial No. 371,786
9 Claims. (Cl. 260—666)

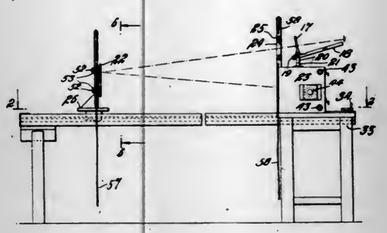
1. A partially hydrogenated hydrocarbon liquid mixture, characterized by having a specific gravity within the range of 1.05 to 0.970 at 25° C., and obtained by the partial catalytic hydrogenation of the mixture of normally solid hydrocarbons boiling above 350° C. at 760 mm. pressure and formed in the synthesis of biphenyl by the pyrolysis of benzene at elevated temperatures.

2,364,720

RANGE ESTIMATING TRAINER

Joseph W. Jones, New York, N. Y.

Application September 28, 1943, Serial No. 504,197
9 Claims. (Cl. 35—25)



1. An aircraft gunnery trainer, comprising a movably mounted ring sight having a handle for aiming the same, an aircraft depicting diorama and a reflecting mirror in front of said diorama interposed in the line of observation through said ring sight, said mirror and diorama being relatively adjustable toward and away from each other to vary the range.

2,364,721

METHOD OF PRODUCING FINE WOOD FLOUR

Andrew W. Kassay, Emil H. Balz, and William D. Williams, Toledo, Ohio, assignors, by mesne assignments, to Libbey-Owens-Ford Glass Company, a corporation of Ohio

No Drawing. Application June 3, 1942, Serial No. 445,654
3 Claims. (Cl. 83—94)

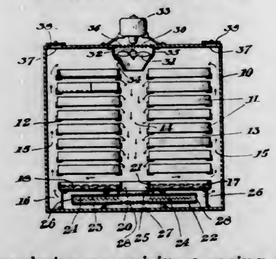
2. A method of producing cellulose flour that comprises thoroughly impregnating cellulose fragments with sufficient solution of urea to deposit about 5 per cent by weight of urea therein, drying, and grinding the dry urea-impregnated cellulose at ordinary temperatures.

2,364,722

INCUBATOR

John Stephen Kazantzeff, Abbotsford, British Columbia, Canada

Application October 23, 1942, Serial No. 463,128
In Canada October 28, 1941
8 Claims. (Cl. 119—37)



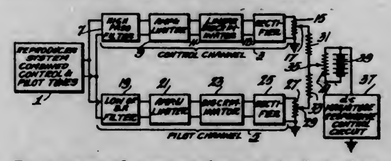
1. An incubator comprising a casing, a plurality of trays arranged in stacks in the casing, the trays of each stack being spaced one above the other and above the casing bottom, a central vertical passage between the stacks, a vertical passage between the outer edge of each stack and the casing wall, the spaces between the trays of each stack communicating with the central and outer passages, a humidifier beneath the stacks, means in the humidifier for permitting air to pass therethrough, a heater beneath the humidifier, and means for directing air downwardly through the central passage and the humidifier to the heater, said air rising in the outer passages and some of it being drawn through the spaces between the trays by suction created by the downward movement of the air in the central passage.

2,364,723

F-M CONTROL TRACK OPERATION

Edward W. Kellogg, Indianapolis, Ind., assignor to Radio Corporation of America, a corporation of Delaware

Application November 11, 1943, Serial No. 509,932
12 Claims. (Cl. 179—100.1)



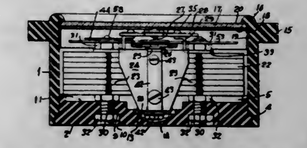
1. In a record responsive control system including record reproducing means providing an output voltage which varies in frequency nominally in accordance with a control tone carried on a record cooperating with said reproducing means, and varies further in frequency owing to variations in the speed of operation of said reproducing means, means for producing a second voltage of nominally constant frequency which varies in frequency only in proportion to said variation in speed, two frequency discriminator circuits having oppositely sloping transmission characteristics, means for applying one of said voltages to one of said discriminator circuits and the other of said voltages to the other of said discriminator circuits, two rectifiers connected respectively to said discriminator circuits, and means for adding the outputs of said rectifiers.

2,364,724

ELECTRICAL METER

George H. Klay and Frederick J. Lingel, Bluffton, Ohio, assignors to The Triplett Electrical Instrument Co., Bluffton, Ohio, a corporation of Ohio

Application June 3, 1943, Serial No. 489,454
7 Claims (Cl. 171—95)



1 An electrical measuring instrument comprising a casing containing a dial, a pointer for moving over said dial and an actuating element to which the pointer is secured, said casing being provided with a window positioned near the top of the casing through which the movements of the pointer may be observed, said window extending over the casing but terminating short of the area subtended by said actuating element, a magnet means having pole pieces, means for supporting said actuating element including an inverted U-shaped member with the open end of the U located adjacent said window and to one side thereof, and the sides of the U-shaped member closing the sides of the space formed by said pole pieces.

2,364,725

PROCESS FOR IMPROVING THE DYEINGS AND PRINTS PREPARED WITH WATER-SOLUBLE DYESTUFFS

Albert Landolt, Riehen, and Andreas Ruperti, Arlesheim, Switzerland, assignors to the firm of Society of Chemical Industry in Basle, Basel, Switzerland

No Drawing. Application October 13, 1939, Serial No. 299,390. In Switzerland October 13, 1938
8 Claims. (Cl. 8—74)

1. The improvement in the process of increasing the fastness properties of dyeings and prints, which have been obtained by means of a water-soluble dyestuff and aftertreatment with an aqueous solution of a cation-active high molecular basic organic compound which contains at least one basic nitrogen atom and at least one high molecular radical selected from the high molecular radicals of the aliphatic and the cycloaliphatic series, without substantial alteration in the shade of said dyeings and prints, consisting in combining the aftertreatment with a treatment with a solution of a copper compound, whereby the wet-fastness of the dyeings and prints is enhanced and the light fastness is of a magnitude at least equal to that of the original dyeing.

2,364,726

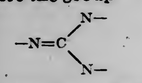
PROCESS FOR IMPROVING THE DYEINGS AND PRINTS PREPARED WITH WATER-SOLUBLE DYESTUFFS

Albert Landolt, Riehen, and Andreas Ruperti, Arlesheim, Switzerland, assignors, by mesne assignments, to the firm Ciba Products Corporation, Dover, Del.

No Drawing. Original application October 13, 1939, Serial No. 299,390. Divided and this application June 12, 1940, Serial No. 340,200. In Switzerland December 21, 1938

5 Claims. (Cl. 8—74)

1. Improvement in the process of increasing the fastness properties of dyeings and prints, which have been obtained by means of a water-soluble dyestuff and aftertreatment with a high-molecular organic compound, produced by condensation of formaldehyde with a compound containing at least once the group



consisting in combining the aftertreatment with a simultaneous treatment with a solution of a copper compound in the same bath.

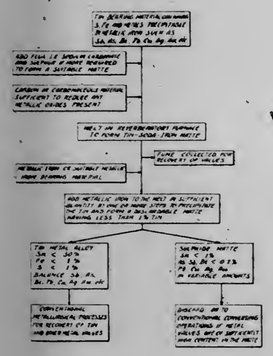
2,364,727

PROCESS OF TREATING TIN SULPHIDE CONCENTRATES

Yurii E. Lebedeff, Metuchen, N. J., assignor to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey

Application February 29, 1944, Serial No. 524,394

11 Claims. (Cl. 75—85)



1. A pyrometallurgical process for treating tin bearing materials containing sulphur and iron as impurities to recover tin metal which comprises intermixing with the tin-bearing material 10 to 30% of sodium carbonate and smelting the charge to form a tin sulphide-soda-iron matte, introducing metallic iron into the molten mass in sufficient amount to react with said matte and produce a soda-iron sulphide matte phase containing 1% or less of tin and a tin metal phase containing less than 1% iron and less than 1% sulphur, and separating said soda-iron sulphide matte phase from the tin metal phase to recover said tin metal.

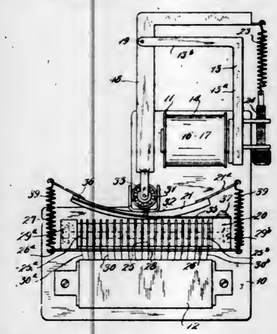
2,364,728

RHEOSTAT

Bennett M. Leece, Shaker Heights, Ohio, assignor to The Leece-Neville Company, Cleveland, Ohio, a corporation of Ohio

Application December 11, 1941, Serial No. 422,539

9 Claims. (Cl. 201—48)



1. In a rheostat, a member comprising a series of spaced contacts, a resistor having taps connected with said contacts, a curved contact member rockable on said spaced contacts, a flexible retaining strip overlying said contacts and having one end attached to one end of said curved contact member, and its other end anchored to the opposite end of the first-mentioned member, said strip permitting such rocking of said curved contact member but resisting longitudinal shifting of the latter relative to said contacts and having an opening therein exposing the contacts for engagement by said curved contact member, and means for imparting rocking movement to said curved contact member.

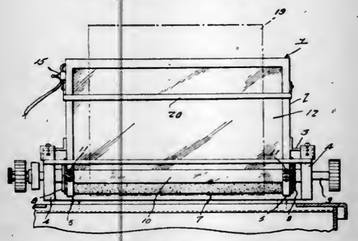
2,364,729

STENCILING ATTACHMENT FOR TYPEWRITERS

Edward E. Leroux, Jersey City, N. J.

Application September 9, 1943, Serial No. 501,703

2 Claims. (Cl. 240—2)



1. A stenciling attachment for typewriting machines comprising an elongated housing, means for mounting said housing in an inclined position on a typewriting machine adjacent the platen, the lower portion of said housing being open, loops on said lower portion of the housing at the ends thereof, a tubular platen of light transmitting material rotatably mounted on the machine and operable in the loops, a writing strip of comparatively soft, transparent material mounted on the loops and extending longitudinally of the platen immediately adjacent thereto, a window in the front of the housing, and electric lamps in the housing for illuminating the platen, the strip and said window.

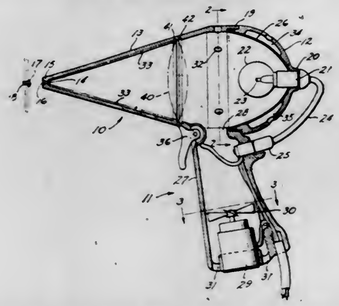
2,364,730

MEANS FOR DETONATING EXPLOSIVE RIVETS

Morton B. Leskin, Los Angeles, Calif., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application May 18, 1942, Serial No. 443,542

1 Claim. (Cl. 219—21)



A rivet detonating gun, which includes: a conical housing provided with an aperture at its apex, and a seat for engaging a rivet head; a source of infra-red radiant energy disposed in the rear portion of said housing; a reflector in said housing for directing rays from said energy source and focusing the same on said rivet receiving portion of said cone; switch means for controlling the energization of said energy source; a handle attached to said housing and provided with a blower for directing a current of air through said housing upon the de-energization of said energy source; and switch means adapted to energize the circuit of said blower when said switch is open and to de-energize the same and energize the radiant energy circuit when said switch is closed.

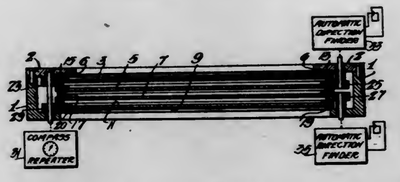
2,364,731

RADIO NAVIGATION

David G. C. Luck, Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application April 1, 1942, Serial No. 437,184

4 Claims. (Cl. 250—11)



1. An automatic direct indicating radio position finder including an earth compass, repeater means controlled by said earth compass, a rotatable map support positioned by said repeater means in accordance with the indications of said compass, a self-orienting radio direction finder and repeater means controlled by said radio direction finder, a plurality of reticulated transparent members supported coaxially and rotatably above said map support and arranged to be positioned by said direction finder controlled repeater means, means for tuning said direction finder alternately to the frequencies of radio transmitters of known locations, and synchronously connecting said repeater means to control successively corresponding reticulated members, and means for connecting said earth compass repeater means to control each of said reticulated members when not subject to control by said radio direction finder, whereby the positions of said reticulated members over a map placed on said map support presents a visual indication of the position of said radio direction finder with respect to the positions of the radio transmitters to which it is responsive.

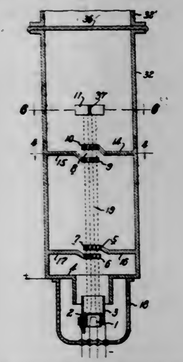
2,364,732

ULTRA HIGH FREQUENCY GENERATOR

Fritz Lüdi, Baden, Switzerland, assignor to Patelhold Patentverwertungs- & Elektro-Holding A.-G., Glarus, Switzerland, a joint stock company

Original application March 6, 1941, Serial No. 382,089, now Patent No. 2,323,613, dated July 6, 1943. Divided and this application October 8, 1942, Serial No. 461,321. In Switzerland February 28, 1940

12 Claims. (Cl. 315—5)



1. An ultra short wave generator comprising means for generating an electron beam in an evacuated space, a modulator comprising a pair of grid electrodes positioned in the path of said beam for subjecting the beam to ultra high frequency potential variations whereby ultra high frequency velocity variations are produced in the beam, an inductor comprising a pair of grid electrodes positioned in the path of the modulated beam whereby ultra high frequency alternating voltages are produced in said inductor, and a feed-back connection between said modulator and said inductor comprising a single resonator to which the ultra high frequency load is to be connected, said resonator comprising a wave conductor tube which is electrically closed at one end, the inductor and the modulator being positioned within said tube and provided with antennae whereby the coupling between the inductor and the modulator is effected by the ultra high frequency waves within said tube.

2,364,733

DIE RETAINER

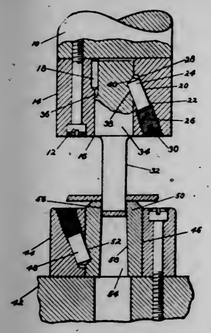
Andrew O. McCollum, Detroit, Mich.

Application June 4, 1943, Serial No. 489,648

1 Claim. (Cl. 164—124)

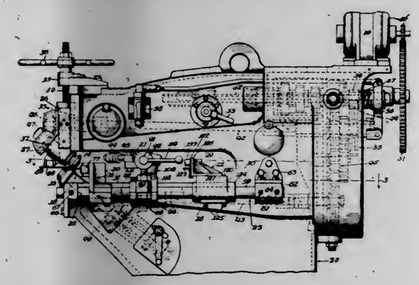
A die retainer comprising a cylindrical body having a concentric bore therethrough and a partly threaded bore inclined from the face of the body inwardly to and in communication with the concentric bore, a centering pin in the body parallel to the vertical axis thereof and adjacent the top of the body having a part of its

peripheral area extended into the concentric bore, and a lock-pin mounted for travel in the inclined



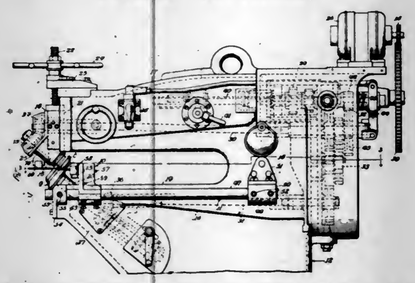
bore having an accessible head slotted for the reception of a hand tool and a finished conical end.

2,364,734
METALWORKING MACHINE
John J. McGlone, Harvey, and Robert I. Anderson, Chicago, Ill., assignors to Whiting Corporation, Harvey, Ill., a corporation of Illinois
Application November 21, 1942, Serial No. 466,514
9 Claims. (Cl. 164—60)



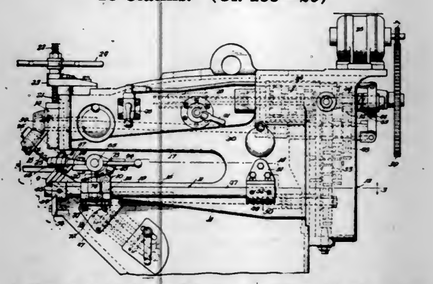
9. A metal working machine of the character described, comprising a C-shaped supporting structure, a pair of shafts mounted one at the outer end of the bottom arm of the structure and the other at the outer end of the top arm of said structure and adapted to support a pair of complemental coacting slitting rolls, power driven mechanism for conjointly driving the shafts in opposite directions, and a slitting gauge attachment embodying a horizontally elongated bracket overlying and extending transversely across said bottom arm and mounted so that it is shiftable to and from the shafts, a horizontally elongated guide extending over and lengthwise of the bracket, provided with guide means for supporting and rectilinearly guiding work pieces during feed thereof between the rolls in connection with slitting, and connected to the bracket so that it may be adjusted angularly in a horizontal plane in order to position the guide means so that it operates in connection with slitting so to guide the work pieces that the slits are truly parallel to the edges in contact with said guide means, and a roller disposed adjacent said guide means, mounted on the guide so that it is rotatable about a horizontal axis and is also vertically adjustable, and adapted to engage the top surfaces of the work pieces during slitting thereof.

2,364,735
METALWORKING MACHINE
John J. McGlone, Harvey, and Robert I. Anderson, Chicago, Ill., assignors to Whiting Corporation, Harvey, Ill., a corporation of Illinois
Original application November 21, 1942, Serial No. 466,514. Divided and this application September 3, 1943, Serial No. 501,114
5 Claims. (Cl. 153—28)



1. In a metal working machine of the character described, the combination with a C-shaped supporting structure, a pair of shafts mounted one at the outer end of the bottom arm of the structure and the other at the outer end of the top arm of said structure, and having certain ends thereof disposed adjacent one another and provided with complemental coacting offsetting rolls, and power driven mechanism for conjointly driving the shafts in opposite directions, of a horizontal guide rod mounted on the structure and positioned outwards of and along one side of said bottom arm of the structure, and an offsetting gauge attachment comprising an upstanding bracket having at the lower end thereof an open-ended socket in surrounding and slidable relation with the guide rod and provided at its upper end with a pair of vertically spaced laterally and inwardly extending integral ears, a vertical pin having the ends thereof mounted in the ears, and a cylindrical roller mounted on the intermediate portion of the pin and adapted to engage certain edges of the work pieces in connection with the feed of such pieces between the offsetting rolls.

2,364,736
METALWORKING MACHINE
John J. McGlone, Harvey, and Robert I. Anderson, Chicago, Ill., assignors to Whiting Corporation, Harvey, Ill., a corporation of Illinois
Original application November 21, 1942, Serial No. 466,514. Divided and this application September 3, 1943, Serial No. 501,115
18 Claims. (Cl. 153—29)



1. In a metal working machine of the character described, the combination with a C-shaped

supporting structure, and a pair of power driven shafts mounted one at the outer end of the bottom arm of the structure and the other at the outer end of the top arm of said structure, and having certain ends thereof disposed adjacent one another and provided with complemental coacting flanging rolls, of a pair of horizontal guide rods mounted on the structure and positioned along and outwards of opposite sides of one of said arms, and a flanging hold-down attachment comprising a horizontally elongated bracket extending transversely across said one arm and having the ends thereof slidably mounted on the rods so that it is slidable to and from the rolls, and a pair of laterally spaced arms projecting from the bracket in the direction of said rolls, mounted so they are conjointly shiftable with said bracket, and adapted to overlie the top surface of a work piece during a flanging operation.

2,364,737
ETHERS
Frank Clifton McGrew, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 11, 1940, Serial No. 360,835
16 Claims. (Cl. 260—561)

8. A monomeric, crystalline compound of the formula

$$R(CONHCH_2OR')_x$$

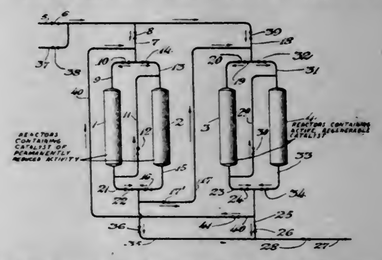
wherein R is an aliphatic hydrocarbon radical of valence x, R' is an alkyl radical of up to five carbon atoms and, on the carbinol carbon, at least one hydrogen and x is at least two.

2,364,738
TEXTILE DECORATING COMPOSITIONS
Carl M. Marberg, Elmhurst, and Earl K. Fischer, Long Island City, N. Y., assignors to Interchemical Corporation, New York, N. Y., a corporation of Ohio
No Drawing. Application October 18, 1941, Serial No. 415,626
2 Claims. (Cl. 260—9)

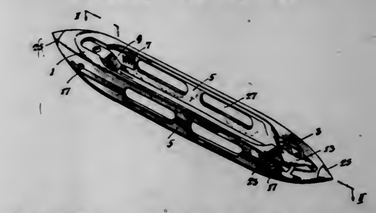
1. A textile decorating composition yielding improved pigment color value on fabric, comprising a pigment dispersed in an aqueous polyvinyl alcohol solution of such concentration that the composition has sufficient body to be printable from an intaglio plate, but which alone yields poor color value on fabric, and from .1% to 1% of a water-soluble alginate, whereby the color value obtained is substantially improved.

2,364,739
TREATMENT OF HYDROCARBONS
William J. Mattox and Wayne L. Benedict, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application June 16, 1941, Serial No. 398,183
5 Claims. (Cl. 196—52)

1. A process for the conversion of hydrocarbons which comprises introducing the hydrocarbon to a primary set of reaction zones containing catalyst of permanently reduced activity as a result of repeated regeneration and therein subjecting the same to conversion without a substantial formation of carbon withdrawing a stream of resultant conversion products from said primary reaction zones, introducing said stream to a first zone of a secondary set of reaction zones which contain catalyst of greater activity than the catalyst in said primary set of reaction zones, and therein continuing the conversion with a substantial formation of carbon, simultaneously regenerating catalyst in a second zone in said secondary set of reaction zones, and, when the catalyst in said second zone is substantially completely regenerated, diverting the stream of conversion products issuing from said primary set of reaction zones directly to said second zone while continuing the introduction of hydrocarbon to said primary set of reaction zones, and regenerating the catalyst in said first zone.



2,364,740
SHUTTLE
Heinz Menking, Rocky River, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application July 7, 1943, Serial No. 493,729
5 Claims. (Cl. 139—196)

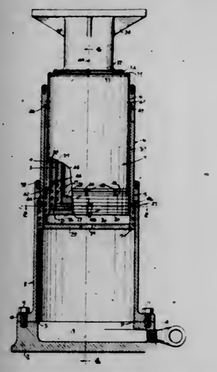


1. A shuttle comprising a body of magnesic metal and a smooth wear-resistant metallic coating free from crocking thereon, said coating covering at least a portion of the external surface of said body.

2,364,741
TELESCOPIC JACK STRUCTURE
Donald R. Merchant, Minneapolis, Minn., assignor to St. Paul Hydraulic Hoist Company, Minneapolis, Minn., a corporation of Michigan
Application November 26, 1942, Serial No. 466,999
2 Claims. (Cl. 121—46)

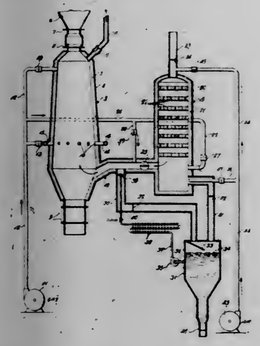
1. A hydraulic jack structure of the character described comprising an outer cylinder section and an inside section telescopically mounted therein and having an end arranged for fluctuation by fluid pressure to extend said inside section endwise relative to said cylinder section, the said sections being formed with an annular chamber between their walls, piston rings arranged adjacent said end of the inside section to normally prevent the leakage of fluid into said chamber, the said inside section having a circumferential groove communicating with the outer piston ring and means communicating between the groove and said chamber, and the said inside section also having an interior chamber and

port means through its walls communicating with the groove and adapted to conduct fluid



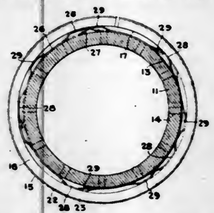
therefrom to the interior chamber of the inside section.

2,364,742
REDUCTION OF METAL ORES
Edmund S. Merriam, Marietta, Ohio, assignor to Marietta Manufacturing Company, Point Pleasant, W. Va., a corporation of West Virginia
Application April 29, 1942, Serial No. 441,008
6 Claims. (Cl. 75—67)



5. A process for recovery of metallic magnesium by reducing magnesium oxide which process comprises admixing magnesium oxide with solid carbonaceous material, introducing the admixture into a reaction zone, passing a highly heated air blast in one direction through the admixture to burn sufficient of the carbonaceous material to raise the temperature of the admixture substantially above 1600° C., discontinuing the air blast, purging the reaction zone of oxygen and nitrogen, passing a blast of natural gas through the admixture in a direction opposite to that of said air blast to effect reduction of the magnesium oxide and separation of magnesium vapor and gaseous products of reduction from the admixture at a temperature at which the magnesium vapor is not reoxidized by the gaseous products of reduction, suddenly condensing the magnesium vapor, and continuing the blast of natural gas until the temperature of the admixture has fallen below that of substantial reduction of the magnesium oxide.

2,364,743
PISTON RING
Allen W. Morton, Baltimore, Md., assignor, by mesne assignments, to Koppers Company, Inc., a corporation of Delaware
Application February 26, 1943, Serial No. 477,240
5 Claims. (Cl. 309—44)



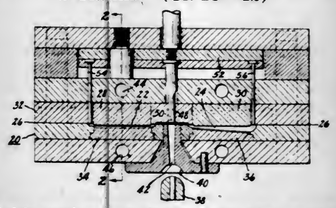
1. The combination of a piston having a ring groove; at least two independently expansible rings mounted in said groove; and crimped expanders arranged edge to edge in the groove and contacting respective rings, said expanders being differentiated both in expansive action and in the number of crimps, whereby nesting is inhibited.

2,364,744
COLORED ARTICLE AND METHOD OF MAKING THE SAME
Thomas C. Morris, Belmont, Mass., assignor, by mesne assignments, to B. B. Chemical Co., Boston, Mass., a corporation of Massachusetts
Application May 19, 1941, Serial No. 394,107
3 Claims. (Cl. 18—47.5)



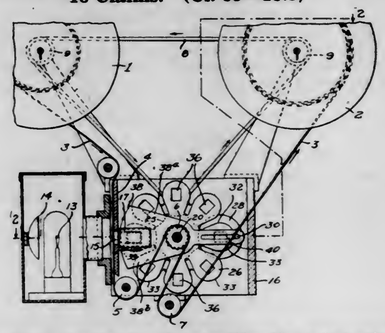
2. A molded heel the body portion of which consists of a cured resin and fibrous material, said body portion having integral with it a coating containing a cured resin, cellulose particles and coloring matter.

2,364,745
MOLD EQUIPMENT
Rex E. Moule, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 16, 1940, Serial No. 319,315
2 Claims. (Cl. 18—42)



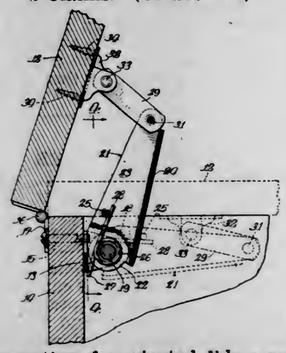
2. Mold equipment for use in the molding of plastics and the like wherein very smooth surfaces are desired comprising in combintion; two mold portions adapted to interfit with one another to form a closed mold each of said portions carrying a complementary section of the mold cavity therein, one of said portions having a heat-resisting, highly polished glass insert therein to form one portion of the mold cavity and the other of said mold portions including a highly polished nitrided steel insert therein for forming another portion of said cavity wall, said glass insert and said nitrided steel insert being so arranged as to be opposed to one another whereby articles formed in said cavity have opposed highly polished surfaces thereon, and supply means for supplying a flowable plastic to the cavity for molding purposes.

2,364,746
MOTION-PICTURE MECHANISM
Gustav Nemnich, New York, N. Y., assignor to Kin-O-Lux, Inc., New York, N. Y., a corporation of New York
Application October 2, 1942, Serial No. 460,526
18 Claims. (Cl. 88—18.3)



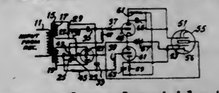
1. In a device for intermittently advancing a moving picture film, the combination with a supporting means for a film including a sprocket for advancing the film; of a Geneva locking member having concave scallops, a convex scalloped member, both said members rigid with said sprocket, the scallops of said last-mentioned member being equal in number to the concave scallops of said Geneva locking member and means for intermittently moving the convex scalloped member.

2,364,747
SELF-BALANCING LID SUPPORT
Edwin W. North and Roy A. Stone, Rockford, Ill., assignors to National Lock Co., Rockford, Ill., a corporation of Delaware
Application November 30, 1942, Serial No. 467,432
2 Claims. (Cl. 217—60)



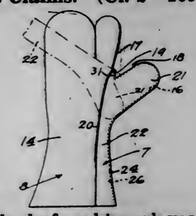
1. A mounting for pivoted lids comprising a hinge having one leaf attached to the cabinet wall and the other leaf attached to said lid, a base plate secured to said wall and to said hinge, said base plate being provided with a plurality of ears projecting outwardly from said wall, a pintle extending between said ears, a tapered channel shaped lever comprising side walls and a connecting wall, the ends of the side walls extending beyond the end of the connecting wall, said extending side walls being pivotally mounted at one end upon said pintle, a coiled spring surrounding the pintle and engaged with said base plate and with said lever and biasing the lever in one direction, said lever forming a housing over said pintle and surrounding spring, a link pivoted at one end to the projecting ends of the lever side walls at the opposite end of the lever, and a lid plate pivoted to the other end of said link and attached to the inner face of said lid.

2,364,748
RADIO RANGE
Lowell E. Norton, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 1, 1942, Serial No. 437,149
2 Claims. (Cl. 250—11)



1. In a course and quadrant identification system for a four course simultaneous radio range, arranged to radiate directionally fields of one side band frequency and to radiate non-directionally a field modulated at a frequency harmonically related to the modulation frequency corresponding to said side band, means for deriving from the resultant range signal an alternating current wave corresponding to the modulation of said range signal, rectifier means arranged to derive from said wave a potential proportional to the average amplitude thereof, two amplifiers connected to said rectifier means and biased beyond cut-off by said potential, means connected to apply said alternating current wave directly to the input of one of said amplifiers and through a phase-shifting network to the input of the other of said amplifiers, whereby one of said amplifiers operates when the ratio of the peak amplitude to the average amplitude of said alternating current wave exceeds a predetermined value, and the other of said amplifiers operates when said ratio is less than a predetermined value, and indicator means connected to the respective output circuits of said amplifiers.

2,364,749
GLOVE
Thomas Carson O'Connell, San Rafael, Calif.
Application March 28, 1942, Serial No. 436,548
2 Claims. (Cl. 2—169)



1. In a method of making gloves of the character described, the cutting of the palm face of the glove from one piece of material so as to form thereon a stick out thumb, cutting into the glove

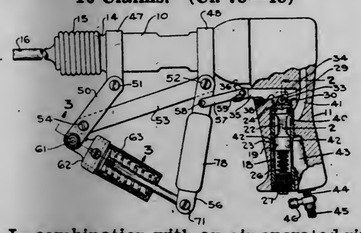
in continuation of the thumb edge at the thumb crotch and at the base of the index finger portion of the one piece palm face, the forming of a one piece back for the glove without a thumb piece on it, the forming of a separate thumb back piece with a side strip for a side of the glove and with a thumb crotch substantially fitting over the cut at the base of the index finger of the palm face of the glove, placing the thumb back piece on the palm face so that the crotch line in the thumb piece is aligned with the cut at the base of the index finger on the palm piece and the thumb back is extended over the palm face toward the little finger edge of the palm piece and sewing said crotch line to the edge of the index finger and the base of the thumb of said palm piece in said cut, turning the thumb back so as to cover the thumb on the palm face and to align with the adjacent edge of the palm face and sewing together the overlying edges continuing around the thumb edges and down the overlying edges of the stem of the thumb back piece and the palm piece to the end of the cuff of the glove, and finally fastening the corresponding edges of the back to the edges of the palm face and the thumb back.

2,364,750

CONTROL FOR RIVETING DEVICES

Otto A. Peters, Toledo, Ohio, assignor to Willys-Overland Motors, Inc., Toledo, Ohio, a corporation of Delaware

Application May 15, 1943, Serial No. 487,413
10 Claims. (Cl. 78—48)



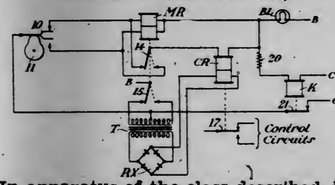
1. In combination with an air operated riveting device having an air control valve, a valve actuating member associated with the riveting device and adapted to control said valve; a frame carried by said riveting device; means for predetermining the length of time that said air valve is open including a cylinder articulated with said frame; a piston reciprocable in said cylinder; linkage connecting said piston to said valve actuating member, and resilient means for normally urging said piston toward one position.

2,364,751

SPEED RESPONSIVE APPARATUS

Willard P. Place, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application April 12, 1941, Serial No. 388,286
4 Claims. (Cl. 175—355)



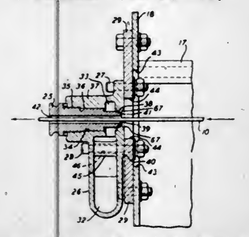
1. In apparatus of the class described, in combination, a polarized master relay, an element movable between a first and a second position in accordance with the speed of a moving member, means effective when said element is in its first position to supply energy to said master relay to cause the movable contacts thereof to move to their normal positions and effective when said element is in its second position to supply energy to said master relay to cause the movable contacts thereof to move to their reverse positions, the master relay movable contacts being capable of responding to changes in the supply of energy to the relay only when such changes occur at less than a predetermined rate, a control relay, means effective to supply energy to said control relay when said element is in its first position provided a movable contact of the master relay is in its normal position and to also supply energy to said control relay when said element is in its second position provided said master relay movable contact is in its reverse position, and means responsive to movement of another movable contact of the master relay between its two positions for also supplying energy to the control relay.

2,364,752

APPARATUS FOR TREATING STRANDS

Vincent A. Rayburn, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application April 10, 1942, Serial No. 438,456
7 Claims. (Cl. 34—75)



1. In an apparatus for treating a strand, a chamber having an inlet and outlet for a continuously moving moist strand, an expansion nozzle mounted in the chamber and surrounding the path of the strand, and means for supplying a hot drying gas under pressure to the chamber, a wall of the chamber and a portion of the expansion nozzle coacting to form a passageway for directing a conical curtain of the gas toward and about the strand in a direction opposite to that of the movement of the strand, said wall of the chamber being sharply relieved adjacent to the forward tip of the expansion nozzle, whereby a thin curtain of the gas is projected about and against a small portion of the strand surface.

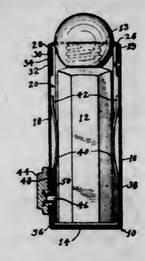
2,364,753

BOTTLE CONTAINER

George F. Richter, Bogota, N. J., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut

Application February 23, 1942, Serial No. 431,903
10 Claims. (Cl. 215—12)

5. In combination, a receptacle having a reduced neck, a closure removably connected to said neck, a container for said receptacle comprising a casing having an open end and a cover having means for telescopic engagement into and detachable interlock with the open end of said casing, said cover having an opening aligned with said neck, a slide embracing said receptacle and slidable in said casing, said slide when retracted in said container positioning the end of said receptacle neck in a plane substantially flush with the opening in said cover, said neck closure being of a character such as to substantially close the opening in the cover and to render it more or less inaccessible when said receptacle is in a retracted



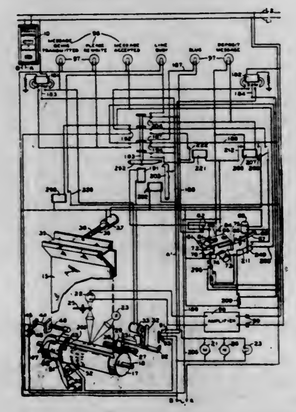
position in said container and accessible when said receptacle is in an elevated position in said casing, and means connected to said slide and operable outside of said casing for moving said slide and elevating said receptacle to a position to facilitate the removal of said closure and project the neck through the cover aperture.

2,364,754

COIN-CONTROLLED FACSIMILE SYSTEM

Garvice H. Ridings, Summit, and Raleigh J. Wise, Dunellen, N. J., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York

Application April 18, 1941, Serial No. 389,163
6 Claims. (Cl. 194—1)



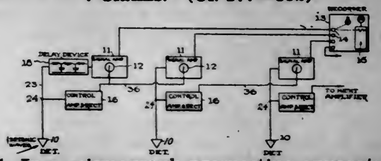
4. In a facsimile system, a communication circuit, a transmitting station including scanning apparatus for scanning subject matter, said apparatus being connected to said circuit for the transmission of signals representative of subject matter, said scanning apparatus being adapted to be operatively conditioned by check-controlled mechanism, a receiving station connected to said communication circuit and including apparatus for recording said signals and control signaling apparatus, and means including said receiving station control signaling apparatus for rendering said scanning apparatus inoperative for further scanning of the same subject matter and for controlling said check-controlled mechanism.

2,364,755

APPARATUS FOR SEISMOGRAPH PROSPECTING

Otto F. Ritzmann, Aspinwall, Pa., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware

Application January 22, 1942, Serial No. 427,808
7 Claims. (Cl. 177—352)



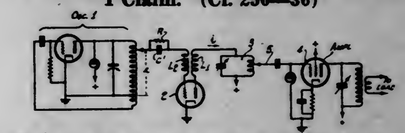
1. In a seismograph prospecting apparatus including a series of detector means spaced in the earth at different distances from a source of seismic waves, amplifiers coupled to each of the detector means, the amplifiers having elements which control a characteristic of the amplifier in accordance with the magnitude of energy supplied to the control element, and exhibitor means responsive to the amplified energy transmitted from each detector means: the improvement comprising a control energy channel which diverts a portion of the signal energy from one of said detector means, which is located at a position nearer to the source than other detector means, means for amplifying and rectifying the diverted energy and means for applying the amplified rectified energy to the control element of at least one amplifier which is connected to detector means spaced farther away from the source; said control channel being so constituted as to delay the change in control energy at said element, upon change in signal energy output of said first detector means, for a period of time not greater than the interval between receipt of a given seismic wave at said near detector and receipt thereof at said amplifier connected to said farther detector.

2,364,756

HARMONIC GENERATOR

Walter van B. Roberts, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware

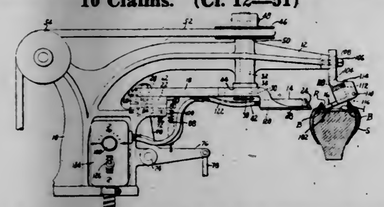
Application July 1, 1942, Serial No. 449,249
1 Claim. (Cl. 250—36)



In a system for producing substantially uniform voltage at several harmonic frequencies by the mere change of an element of a single harmonic tank circuit, a source of fundamental oscillations of stabilized frequency of the order of two megacycles, said source comprising a Hartley type oscillator, a high vacuum blocking oscillator directly controlled thereby to produce narrow pulses of current through said harmonic tank at the fundamental frequency and independent of conditions in said harmonic tank circuit, the duration of the pulses produced by said blocking oscillator being less than the half period of the highest harmonic thereof to which said tank circuit is intended to be tuned, said blocking oscillator comprising a vacuum tube having grid and anode electrodes, a transformer having a primary winding one terminal of which is directly connected to said grid and the other terminal of which is connected to the coil of said stabilized

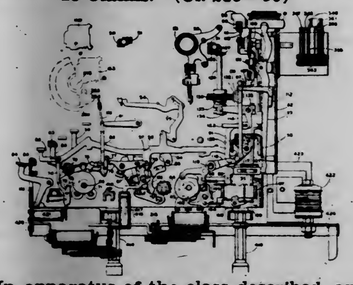
oscillator, said transformer having a secondary winding one terminal of which is directly connected to said anode and the other of which is directly connected to one terminal of said harmonic tank circuit, said harmonic tank circuit comprising an inductance coil shunted by a condenser, and a vacuum tube amplifier having an input electrode coupled to a point on the said inductance coil of said tank, whereby harmonic voltages of substantially equal amplitude are generated up to about 30 megacycles.

2,364,757
SHOE MACHINE
Charles A. Robinson, Salem, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application May 20, 1943, Serial No. 487,711
10 Claims. (Cl. 12—51)



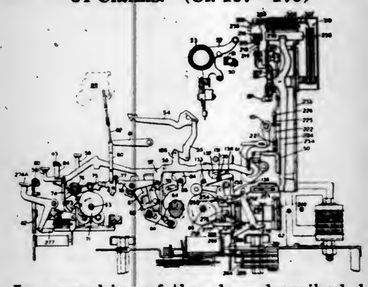
1. A machine for shaping the upper materials of a lasted shoe comprising a tool for forcing the upper materials down onto a feather and in against a rib on the insole of the shoe, means for engaging the bottom of a shoe to locate the shoe in proper heightwise relation to the tool, means for rapidly and continuously reciprocating the tool in a direction extending generally lengthwise of the shoe, and means for advancing the reciprocating tool into operative engagement with the upper materials.

2,364,758
RECORDING AND COMPUTING MACHINE
Edwin O. Roggenstein, Ilion, N. Y., assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware
Application October 25, 1938, Serial No. 236,854
19 Claims. (Cl. 235—59)



1. In apparatus of the class described, and including a carriage having a leftward travel and a rightward return movement and automatically operating mechanism controlled by electric circuits, sensing mechanism to control a circuit comprising in combination a contact tooth traveling with said carriage, the combination of a contact finger adapted to contact with and to be deflected by said tooth, said contact, when made, closing a control circuit, said finger pivoted with freedom to swing about a center leftward from a fixed normal position, a support to which said finger is so pivoted and itself pivoted with freedom to swing about another center rightward from a fixed normal position, the first said center being so situated that the finger swings leftward without moving its support about the center of a circle whose radius makes a wide angle to the line of carriage travel so that its contact with said tooth is maintained through a certain extent of carriage travel, and the second said center being so situated that when the finger and the support are swung rightward together said finger swings about the center of a circle whose radius makes an acute angle with the line of travel of the carriage so that the finger swings out of the path of the tooth in a materially shorter extent of carriage movement.

2,364,759
RECORDING AND COMPUTING MACHINE
Edwin O. Roggenstein, Utica, N. Y., assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware
Application October 18, 1941, Serial No. 415,564
34 Claims. (Cl. 197—176)

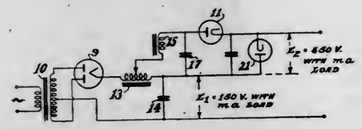


1. In a machine of the class described, having a movable carriage and a rack bar thereon, the combination of a tabulator flick switch, a tabulator magnet in circuit with said flick switch, an operating member for said flick switch, means on the rack bar to engage the operating member as the carriage moves, to momentarily close the flick switch and thereby energize the tabulator magnet, a tabulator unit set in operation by the energization of the tabulator magnet, a tabulator holding switch in circuit with said magnet, and means operated by the movement of the tabulator unit when set in operation by the energization of the tabulator magnet to close said holding switch whereby the tabulator magnet is held energized.

2,364,760
THERAPEUTIC PREPARATION EFFECTIVE AGAINST ULCERS
David J. Sandweiss, Detroit, Mich., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application February 29, 1940, Serial No. 321,407
1 Claim. (Cl. 167—74)

A product effective against ulcers, which is derived from urine of mammals not suffering from a gastric or duodenal ulcer, having the following properties—not toxic to humans, showing no gonadotropic activity on immature female mice, reducing gastric secretion and acidity, having no estrogenic activity, useful for inhibiting and treating gastroenteric ulcers, being, in the dry state, an amorphous powder the aqueous solutions of which do not reduce Fehling's solution, soluble in water, insoluble in undiluted neutral organic solvents, and the aqueous solutions of which are not inactivated by moderate heating.

2,364,761
ELECTRON DISCHARGE DEVICE
Otto H. Schade, West Caldwell, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 30, 1942, Serial No. 445,186
3 Claims. (Cl. 175—363)

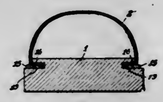


2. A power supply system comprising a rectifier circuit, a filter including an inductor connected in the output circuit of said rectifier, a resonant circuit including a portion of said inductor, a second rectifier circuit having its input terminals connected across one of the reactance elements of said resonant circuit and its output circuit connected in series with the output circuit of said first rectifier, and a unidirectionally conductive device connected across the output terminals of said second rectifier circuit.

2,364,762
TREATMENT OF AROMATIC HYDROCARBONS
Louis Schmerling and Arthur M. Durinski, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application May 19, 1941, Serial No. 394,166
17 Claims. (Cl. 260—671)

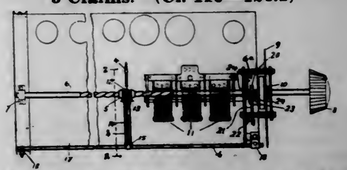
1. A process for producing alkylated aromatics which comprises subjecting an alkylating agent, consisting essentially of an alkyl halide, and a molecular excess of an aromatic hydrocarbon to reaction under alkylating conditions and in the presence of a solid alkylating catalyst consisting essentially of at least one metal oxide.

2,364,763
ARTICLE OF FOOTWEAR
Harry L. Sutcliffe, New York, N. Y., assignor to Herman B. Delman, New York, N. Y.
Application November 4, 1943, Serial No. 508,901
5 Claims. (Cl. 36—11.5)



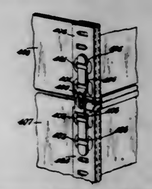
1. An article of footwear comprising a sole unit of varying thickness and having in its edge a peripheral groove disposed a uniform distance from the upper surface of said sole unit and dividing said sole into an outsole portion and an insole portion having its edge set back from the edge of said outsole portion, an upper having a lower edge portion extending down over the edge of the insole portion and into said groove, and a strip of flexible material stitched adjacent its inner edge to the lower edge of the upper, said strip and adjacent portion of the upper being wedged into said groove and adhesively secured therein.

2,364,764
TUNING MEANS FOR RADIO RECEIVERS AND THE LIKE
Roy Coles Wilks, Nathalia, Victoria, Australia
Application February 27, 1942, Serial No. 432,689
In Australia April 7, 1941
5 Claims. (Cl. 116—124.1)



1. In a radio receiver of the type including tuning elements, a threaded operating rod operable to set the tuning elements, a nut having threaded cooperation with said operating rod, a guide rod below and in spaced parallel relation with the operating rod, and a pointer-assembly connected to said nut and movable thereby in the movement of the operating rod, said pointer-assembly including a U-shaped member having a short leg terminally connected to and depending from said nut, a cross bar underlying and extending transverse the guide rod, and a long leg extending upwardly from the cross bar in substantial parallelism with the short leg, the long leg extending above the operating rod and being terminally formed to provide a pointer, and a roller carried by the short leg and overlying and bearing on the guide rod.

2,364,765
CONTAINER AND PARTS THEREOF
Philip Zalkind, New York, N. Y.
Application May 22, 1939, Serial No. 275,035
1 Claim. (Cl. 229—23)

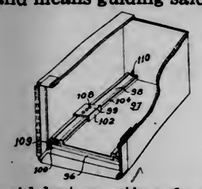


A means for connecting adjacent walls of adjacent containers, said walls extending in the same plane; one of said walls comprising a metallic member having a flat strap formed from the material of said metal, lying in a plane spaced from and parallel to said last mentioned wall, and shoulders on opposite sides of said strap at each end thereof integrally connecting said strap and said member; said strap being arranged to receive a second flat metallic member connected with said other adjacent wall; said shoulders being substantially wider than said strap and arranged to resist transverse shearing stresses of said flat metallic member against the connection between said strap and said first metallic member; the wall from which said strap is formed having tongue portions extending between oppositely facing shoulders.

2,364,766
CONTAINER AND PARTS THEREFOR
Philip Zalkind, New York, N. Y.
Original application October 19, 1935, Serial No. 45,715. Divided and this application September 29, 1939, Serial No. 297,031
2 Claims. (Cl. 45—77)

1. In a collapsible container, a bottom wall, a pad insertable into said container and disposable

on said bottom wall and tracks on said pad, said tracks having a U-shaped section, free rollers in said tracks and means guiding said rollers within



said tracks, said last mentioned means comprising a channel member mountable over said tracks and having perforations wherein said free rollers are rotatably captured.

2,364,767
DETERGENT COMPOSITION
Paul T. Zizinia, Belmar, and Thomas L. McKenna, Newark, N. J., assignors to Allied Chemical & Dye Corporation, a corporation of New York
Application August 1, 1940, Serial No. 349,114
9 Claims. (Cl. 252—161)

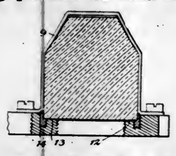


Magnification - 100X

1. A detergent composition consisting essentially of a neutral water-soluble salt of an alkyl aryl sulfonic acid and from about 40% to about 65% by weight of a water-soluble sulfate selected from the group consisting of alkali metal and alkaline earth metal sulfates, in which alkyl aryl sulfonic acid salt the aryl group is mononuclear and the alkyl group contains, on the average, from about 12 to 23 carbon atoms, the product being in the form of a mass of separate approximately globular hollow particles, at least about 85% of the mass consisting of particles of such size that they pass through a 20 mesh screen but are retained on a 60 mesh screen, the product in mass having a bulk density in the range of about .07 to .15.

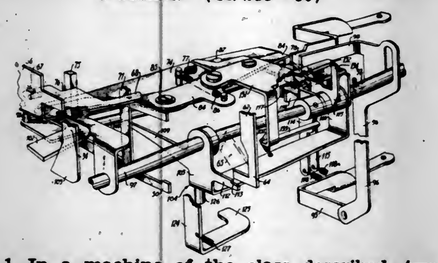
2,364,768
MEANS AND METHOD FOR SECURING OPTICAL ELEMENTS
Thomas G. Aitcheson, Kenmore, N. Y., assignor to Spencer Lens Company, Buffalo, N. Y., a corporation of New York
Application November 19, 1941, Serial No. 419,686
7 Claims. (Cl. 88—33)

1. In a device of the character described, a support, a recess on said support, a prism member having a portion in said recess, said recess being of sufficient area to allow pivotal adjustment of said prism member for optical alignment of said prism member, means engaging said prism member for retaining the same in said recess, a plurality of spaced openings in said support adjacent the supporting portion of said recess and adja-



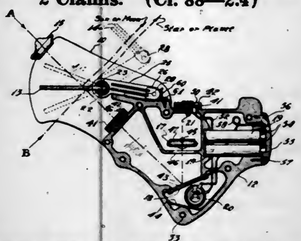
cent the periphery of said prism member and communicating with said recess, and means in said spaced openings and engaging the periphery of said prism at said spaced points only to retain said prism in said optical alignment.

2,364,769
ACCOUNTING MACHINE
Walter A. Anderson, Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application December 21, 1939, Serial No. 310,279
3 Claims. (Cl. 235—60)



1. In a machine of the class described, two adding and subtracting totalizers, means for selecting the totalizers, means for conditioning the machine to take a negative total from a selected totalizer, means for initiating a machine cycle, and means under the control of the conditioning means for preventing operation of the cycle initiating means when the selected totalizer contains a negative total.

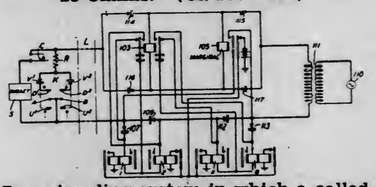
2,364,770
HAND SEXTANT
Ernest J. Arena, Hempsted, N. Y.
Application September 7, 1942, Serial No. 457,555
2 Claims. (Cl. 88—2.4)



1. A hand sextant comprising a pair of side plates, rib spacing means secured to one of said plates and extending from the inner face thereof, an index mirror located between said side plates at the normally upper portion thereof, a collimating lens located between said side plates and supported by said rib spacing means, a

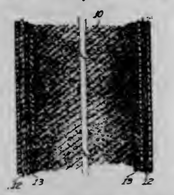
bubble mirror disposed between said side plates at the normally lower portion thereof, and demountably mounted on said rib spacing means, a leveling bubble mounted between said side plates, a transparent window supported by said rib spacing means, a lamp supported by said window and located between said side plates, said bubble mirror, leveling bubble and lamp being in line, a rheostat located between said side plates and disposed adjacent and below said bubble mirror, an electric battery located between said side plates and supported by said rib spacing means and means electrically connecting in series said battery, rheostat and lamp.

2,364,771
TELEPHONE SIGNALING SYSTEM
Henry M. Bascom, New York, N. Y., and Francis A. Hubbard, Maplewood, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 28, 1942, Serial No. 444,772
15 Claims. (Cl. 177—353)



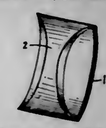
2. In a signaling system in which a called station is characterized by a particular combination of positive and/or negative current impulses and in which complemental portions of the station-characterizing impulse combination are transmitted over a line consecutively from a calling station, a key at the calling station having a down-stroke and an up-stroke, means effective during the down-stroke of said key for causing the transmission over the line of the first complemental portion of the station-characterizing impulse combination, and means effective during the up-stroke of said key for causing the transmission over the line of a second complemental portion of the station-characterizing impulse combination.

2,364,772
CONCRETE FORM MATERIAL
Richard D. Behm, Vancouver, Wash., assignor to M and M Wood Working Company, Portland, Oreg., a corporation of Oregon
Application October 28, 1941, Serial No. 416,854
2 Claims. (Cl. 25—131)



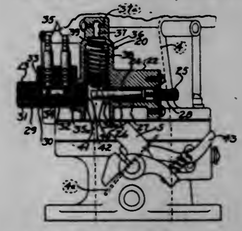
1. A concrete form member consisting of a plywood base member having an absorptive plurality of plies of wood veneer adhesively secured interfacially, and a single lamination of relatively thin highly absorptive material secured to one surface of said plywood base member, a layer of moisture permeable, water insoluble adhesive securing said absorptive material to said base member throughout the areas of the contacting faces thereof each of said laminations of said material being coextensive with each of the other of said laminations, said absorptive material being placed to engage the surface of concrete poured into said form for absorbing water directly therefrom.

2,364,773
INK BLOTTER
Martin Berg, Brooklyn, N. Y.
Application January 17, 1944, Serial No. 518,542
1 Claim. (Cl. 120—24)



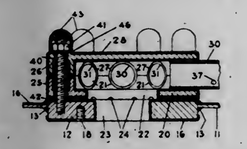
In an ink blotter, a holder consisting of an upper and lower part of bendable material, a third part integrally connected with one of the said parts, said third part being adapted to be bent over to the said part being integrally connected with and fastened to the other of the said parts, side extensions of said upper or lower part adapted to be bent over between said upper and lower part along a curved line assuring the said bending for more than 90° and sustained in that position by the said upper and lower part after narrowing the latter in the bent-over position of the said extensions, and at least one of the said upper and lower parts carrying one or a plurality of layers of blotting paper.

2,364,774
TRANSMISSION CONTROL STRUCTURE
Leonard D. Boyce, Maplewood, Mo., and Ian C. McKechnie, Detroit, Mich.; said McKechnie assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware, and said Boyce assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware
Application April 15, 1941, Serial No. 388,631
9 Claims. (Cl. 74—472)



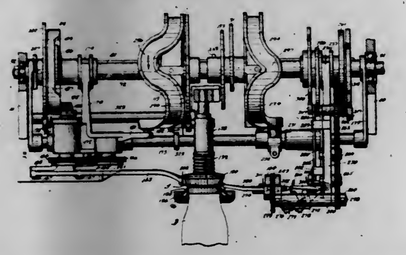
1. In combination, a prime mover having a fluid induction conduit, a control valve in said conduit, a driven member, a variable ratio power transmission mechanism, a spring opposed electro-magnetic actuator capable of advancing the speed of the driven member with respect to the prime mover when energized, an energizing circuit for said actuator, means responsive to the speed of said driven member for closing said circuit, means movable with said control valve for breaking said circuit, and a pressure responsive device having a suction connection with said induction conduit at a point anterior to said control valve and being responsive to a predetermined suction therein to prevent the breaking of said circuit by said last-mentioned means.

2,364,775
STRAINER SYSTEM
Norman E. Brice, Millburn, N. J., assignor to The Permutit Company, New York, N. Y., a corporation of Delaware
Application July 22, 1941, Serial No. 403,505
6 Claims. (Cl. 210—171)



1. A liquid treatment structure comprising a tank having a bottom, and a strainer system which comprises two members forming a header, complementary notches in each of said members, a plurality of perforated tubes each having one end located in one notch of one of said members and in a complementary notch of the other member, a flange in the bottom of the tank, means for fastening said members to said flange and for securely holding said tubes in their respective notches, and a passage extending from said header through said flange.

2,364,776
MACHINE FOR APPLYING HOOD CAPS TO BOTTLES
Arthur J. Briggs, Syracuse, N. Y., assignor of one-half to William L. Hinds, Fayetteville, N. Y.
Application April 7, 1941, Serial No. 387,190
6 Claims. (Cl. 226—80)



6. A machine for securing hood caps to bottles comprising means for supporting a supply of flexible strand, wrapping mechanism operable through an orbital path to wrap the strand about the skirt of the cap with one portion of the strand overlapping another, twisting mechanism operable to twist said overlapping portions tangentially to the cap, and means operable to contract the strand about the cap skirt, thereby forming a cap securing band, and severing mechanism operable to sever the strand from the supply thereof.

2,364,777
CONCENTRATION OF OXIDIZED IRON ORES
Earl H. Brown and Francis X. Tartaron, Hibbing, Minn., assignors to Minerals Separation North American Corporation, New York, N. Y., a corporation of Maryland
No Drawing. Application July 29, 1943, Serial No. 496,582
13 Claims. (Cl. 209—166)

1. The method of concentrating finely-divided oxidized-iron ores in which the gangue ingredient is principally quartz, which consists in treating an aqueous pulp of such an ore with an anionic collecting agent selected from the class consisting of higher fatty acids and resin acids and their soaps and mixtures of fatty and resin acids, and with cooperating agents consisting of lime and an aqueous solution of gelatinized starch, and subjecting the thus treated or pulp to froth-flotation treatment and removing the quartz-containing froth, thereby producing in the residue of the pulp an oxidized-iron concentrate.

2,364,778
CONCENTRATION OF OXIDIZED IRON ORES
Earl H. Brown and Francis X. Tartaron, Hibbing, Minn., assignors to Minerals Separation North American Corporation, New York, N. Y., a corporation of Maryland
No Drawing. Application February 25, 1944, Serial No. 523,924
16 Claims. (Cl. 209—166)

1. The method of concentrating finely-divided oxidized-iron ores in which the gangue ingredient is principally quartz, which consists in treating an aqueous pulp of such an ore with an anionic collecting agent selected from the class consisting of higher fatty acids and resin acids and mixtures of fatty and resin acids and soaps thereof, and with cooperating agents consisting of lime and an aqueous solution of acid-treated starch and subjecting the thus treated ore pulp to froth-flotation treatment and removing the silica-containing froth, thereby producing in the residue of the pulp an oxidized iron concentrate.

2,364,779
SUBRESINOUS ACYLATED POLYAMINE
Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
No Drawing. Original application June 27, 1940, Serial No. 342,724. Divided and this application October 4, 1941, Serial No. 413,697
9 Claims. (Cl. 260—404.5)

1. A sub-resinous acylation derivative of a polyamine of the following formula:

D

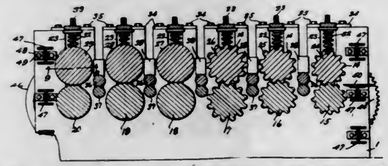
$$D_xN.T.(N.T)_xND_2$$

in which x is a small numeral varying from 0 to 5; T is an oxyhydrocarbon radical selected from the class consisting of ketone, ether and alcohol radicals; and D is a member of the class consisting of hydrogen atoms and alkyl, alkylol, hydroxyalkyl, oxyalkyl, and hydroxyalkylamino radicals, the acyl group substituted for a reactive hydrogen atom of said polyamine being the acyl radical of an acidic fractional ester residue, which fractional ester in turn is characterized by the presence of:

(a) At least one detergent-forming monocarboxy acid radical; and

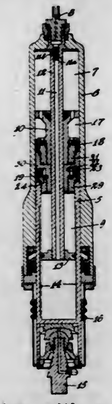
(b) At least one polybasic carboxy acid radical; and said acylation derivative being additionally characterized by the fact that there is at least one polybasic carboxy acid radical acting as a linking radical between the amine residue and a detergent-forming monocarboxy acid residue; said detergent-forming monocarboxy acid residue having at least 9 carbon atoms and not more than 32 carbon atoms, and said polybasic carboxy acid radical having not over 8 carbon atoms.

2,364,780
SHEET PACK OPENING MECHANISM
Charles Eugene De Walt, deceased, late of Canonsburg, Pa., by Alice F. De Walt, administratrix, Pittsburgh, Pa., assignor of ten per cent to John Michael Gura, Struthers, Ohio
Application July 3, 1943, Serial No. 493,470
3 Claims. (Cl. 29—17)



1. In a mechanism for opening sheet packs, a pair of side frames, a series of pairs of upper and lower transverse rollers between said frames spaced apart in side-by-side substantially equidistant relation, and including a battery of longitudinally ribbed corrugating rollers arranged in succeeding pairs, and a battery of smooth finishing rollers also arranged in succeeding pairs, and pairs of relatively smaller rollers alternating with the pairs of rollers of each battery, the upper rollers of the pairs of said series being mounted for vertical yielding movement to permit a stack to pass between the rollers of said pairs, and means to drive the lower rollers of the pairs of said series, in each battery in the same direction and at the same speed, the ribs of the corrugating rollers being differently spaced around the rollers of each pair thereof.

2,364,781
PISTON SEALING DEVICE
Elov Ericsson, St. Paul, Minn.
Application October 19, 1942, Serial No. 462,501
6 Claims. (Cl. 309—23)

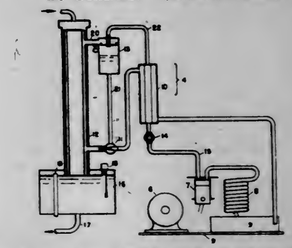


1. In combination with a piston, an annular expansible sealing member embracing the piston near its high pressure face, a second sealing member embracing the piston in spaced relation to said first mentioned sealing member, a recess for liquid formed in the piston, a separate chamber, a flexible member separating said chamber from said recess and a metallic spring confined in said chamber and subject to pressure in said recess for permitting expansion of said recess to receive additional liquid, said recess being in communication with the outer periphery of the piston between said sealing members.

2,364,782
MANUFACTURE OF ORGANIC SULPHONATES
Lawrence H. Flett, Hamburg, N. Y., assignor to Allied Chemical & Dye Corporation, a corporation of New York
No Drawing. Application June 14, 1940, Serial No. 340,468
12 Claims. (Cl. 260—505)

1. In the manufacture of a poly-component sulphonate product by the sulphonation of an alkyl-aromatic condensation product which contains a mixture of alkyl-aromatic compounds and has been obtained by chlorinating a liquid petroleum distillate from a Pennsylvania grade crude said distillate being a cut composed principally of hydrocarbons containing at least 7 but not more than 19 carbon atoms per molecule, and condensing the chlorinated distillate with an aromatic compound of the group consisting of mononuclear and dinuclear aromatic hydrocarbons and their mono- and di-halogen, -hydroxy, -alkyl, -alkoxy, and -phenoxy substitution products, the improvement which comprises subjecting said condensation product to a sulphuric extraction under such conditions that between 5% and 25% of the condensation product is sulphonated, separating the sulphuric extract from the condensation product, and sulphonating the separated condensation product.

2,364,783
OIL RETURN ARRANGEMENT
Merrill B. Goddard and Richard C. Oeler, Chicago, Ill., assignors of one-half to Carrier Corporation, Syracuse, N. Y., and one-half to The Liquid Carbonic Corporation, Chicago, Ill.
Application October 31, 1940, Serial No. 363,712
10 Claims. (Cl. 62—115)

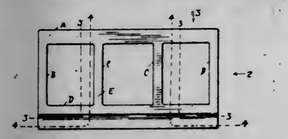


4. In a system of the character described, a compressor, a condenser and an evaporator operatively associated to carry on a refrigeration cycle, an accumulator, means for admitting refrigerant having oil entrained therein to the accumulator from the evaporator, an injector for feeding liquid refrigerant supplied from the condenser to the evaporator, means for feeding liquid refrigerant from the accumulator to said injector, a collecting device within the accumulator, a measuring device through which liquid from said collecting device may be withdrawn, a suction line leading from a point above the liquid level in the accumulator and connecting said measuring device to the suction intake of the compressor, liquid refrigerant and oil entrained therewith being fed from said measuring device into said line responsive to suction pressure exerted on the line by said compressor.

2,364,784
PARALLEL APPLIANCE
Paul E. Grow, Muncie, Ind.
Application February 17, 1944, Serial No. 522,848
3 Claims. (Cl. 304—5)

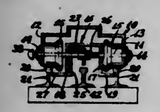
1. An appliance of the kind described, consisting of corresponding support blocks, each having

a transverse recess at its base portion, and having a transverse projecting foot bar which is in the horizontal plane of and is adjacent to said



recess, whereby when the blocks are in proximate relation the foot bar of one block is received within the recess of the other block.

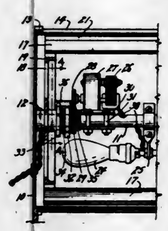
2,364,785
RAILROAD SAFETY DEVICE
Diego Guerrero, Brooklyn, N. Y.
Application May 8, 1943, Serial No. 486,128
4 Claims. (Cl. 105—196)



1. A railroad truck, comprising a longitudinally extending channel shaped body having its front and back arms directed downwards, spaced end axles mounted between said arms, flanged wheels on the end portions of said axles and located adjacent the inside faces of said arms, a longitudinally extending channel shaped member disposed within said channel shaped body and having its arms directed downwards adjacent the inner faces of said flanged wheels and supported on said axles, fins on one of the arms of said member extending laterally in one direction for engaging beneath the head of one of the rails for said truck at points beneath the wheels on the adjacent side of said truck, said channel shaped member having its other arm free, a second longitudinally extending channel shaped member disposed within said channel shaped member and having its arms directed downwards and laterally slidably mounted on said axles, fins on one of the arms of said second named channel shaped member extending laterally and engaging beneath the head of the other of the rails for said truck at points beneath the wheels on the adjacent side of said truck, said second channel shaped member having its other arm free, resilient means between said members urging the free arms of said first channel shaped member and the arm of said second channel shaped member formed with said fins towards each other, and a central axle mounted on and through the arms of said body and extending through the arms of said members and fixedly connected with the free arm of said second named channel shaped member by which said second named channel shaped member may be slightly moved to free its fins from the head of its respective rail.

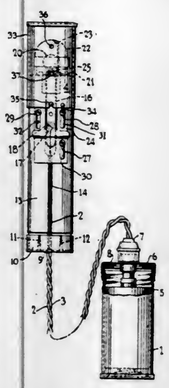
2,364,786
ADVERTISING DISPLAY DEVICE
Harvey H. Hall, Denver, Colo.
Application June 3, 1944, Serial No. 538,581
5 Claims. (Cl. 40—33)

1. An advertising device comprising an outer housing; a hollow, stationary shaft passing through said outer housing; a multi-sided drum rotatably mounted on said shaft so that its sides will be successively displayed through a window in said housing; drive means mounted on said shaft within said drum for rotating the latter; friction means for transmitting rotation from



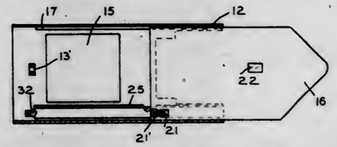
said drive means to said drum; and means for restraining rotation of the latter at intervals while said drive means continues to rotate in consequence of said friction means.

2,364,787
MEANS FOR SAVING LIFE
Clement Philip Harrison, Mill Hill, London, and Charles Wallace Saunders, Bramley, England, assignors to The General Electric Company Limited, Kingsway, London, England
Application April 11, 1941, Serial No. 388,066
In Great Britain April 16, 1940
5 Claims. (Cl. 177—329)



2. In an electric lighting apparatus for use by persons afloat, a float adapted to be buoyantly supported in water, an electric lamp carried by said float and adapted when the float is in water to be disposed above water level, electrical switch means carried on said float and adapted upon closing to complete a circuit supplying current to said electric lamp, a removable cap carried by said float and covering said lamp, the direction of movement of said cap upon removal thereof being parallel to the direction of motion of said switch means upon closing the latter, a breakable seal connecting said cap to a fixed point on said float, a second breakable seal connecting said cap to said switch means, said seals being so constructed and arranged that removal of said cap will first break said first mentioned seal, then close said switch means to energize said lamp, then break said second seal, and then expose said lamp.

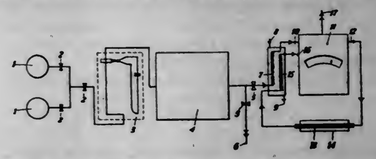
2,364,788
SLIDE CHANGING DEVICE
James E. Harvey, Rochester, and Willard T. Perkins, Irondequoit, N. Y., assignors to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application September 1, 1942, Serial No. 456,880
4 Claims. (Cl. 88—28)



1. A slide changing device comprising a frame having top and bottom walls and a pair of spaced side walls with aligned apertures therein defining a projection position; a pair of slide-carrying tracks extending longitudinally of said frame adjacent the lower wall thereof; a guide intermediate said tracks; a guide adjacent the top wall of said frame and aligned and co-extensive with said lower guide; a slide carrier extending between said guides and mounted for reciprocal movement along the same between alternate positions on said frame; an arm having one end pivotally mounted on one side of said carrier; a finger laterally projecting from the free end of said arm; cam means engaged by said arm upon movement of said carrier to one of said alternate positions and moving said arm to a position in which said finger overlies one of said tracks whereby movement of said carrier toward the other of said alternate positions causes the finger to engage and move a slide in projection position along said track to an ejected position; additional cam means for engaging and moving said arm to position the finger carried thereby underneath said track upon movement of said carrier to the other of said positions; rigid means on the opposite side of said carrier overlying the other of said tracks for engaging a slide in storage position and moving it into a pre-projection position in registry with said apertures upon movement of said carrier to the other of said positions, said carrier in the last-named position being disposed between the slide in pre-projection position and a slide in projection position; means for holding the slide in the pre-projection position in registry with said apertures upon return movement of said carrier; and a leaf spring having an end fixed to one of said side walls and bowed toward the other for moving said last-named slide into projection position upon ejection of the first-named slide by said finger as said carrier is moved out of the position between said slides.

2,364,789
ESTIMATION OF A CONSTITUENT IN A FLUID
Frederick Wardle Haywood, Watford, England, assignor of one-half to Wild-Barfield Electric Furnaces Limited, Watford, England
Application June 18, 1941, Serial No. 398,673
In Great Britain May 9, 1940
2 Claims. (Cl. 23—232)

1. A method of estimating the quantity of free ammonia contained in mixed gas leaving a nitriding furnace, consisting in subjecting the mixed gas to a predetermined temperature condition, then metering the volume of the mixed gas, subjecting the mixed gas after metering to a cracking to break down the ammonia content as a free gas to thereby increase the volume of the mixed gas to an extent incident to the free ammonia, subjecting the mixed gas of increased volume to a temperature condition identical with that condition of the mixed gas before metering, and metering the volume of the gas of increased volume,

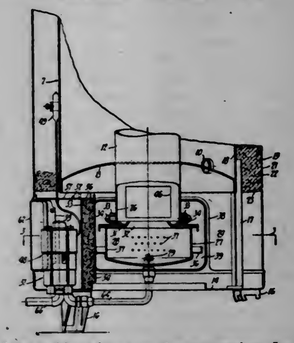


the metering of the volume of mixed gas and the metering of the volume of the gas of increased volume being correlated for a single differential reading to indicate measurement of volume increase of one gas over the other and thereby the proportion of the free ammonia constituent of the original mixed gas.

2,364,790
TREATMENT OF ORGANIC DIELECTRIC MATERIALS WITH HIGH-FREQUENCY ELECTRIC CURRENT
Charles B. Hemming, Parlin, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 13, 1941, Serial No. 410,785
7 Claims. (Cl. 204—165)

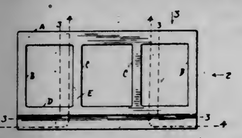
6. Process for promoting the polymerization of unpolymerized and monomeric organic materials of high dielectric value which comprises dispersing titanium dioxide selected from the group consisting of rutile and brookite in said organic material and exposing the so modified material to an energized electrostatic high frequency field until the material is polymerized, said frequency being from 100,000 cycles per second to 100 megacycles per second.

2,364,791
WATER HEATER
William O. Horne, Chicago, Ill., assignor to Rheem Manufacturing Company, Richmond, Calif., a corporation of California
Application November 21, 1941, Serial No. 419,841
7 Claims. (Cl. 122—14)



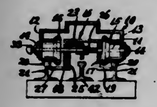
2. A domestic storage type water heater comprising, an elongated up-ended water tank, a casing surrounding said tank in spaced relation and extending below the bottom of said tank to define a burner space thereunder, an oil burner mounted in said space, means defining a closed com-

a transverse recess at its base portion, and having a transverse projecting foot bar which is in the horizontal plane of and is adjacent to said



recess, whereby when the blocks are in proximate relation the foot bar of one block is received within the recess of the other block.

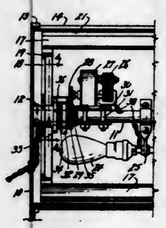
2,364,785
RAILROAD SAFETY DEVICE
Diego Guerrero, Brooklyn, N. Y.
Application May 8, 1943, Serial No. 486,128
4 Claims. (Cl. 105—196)



1. A railroad truck, comprising a longitudinally extending channel shaped body having its front and back arms directed downwards, spaced end axles mounted between said arms, flanged wheels on the end portions of said axles and located adjacent the inside faces of said arms, a longitudinally extending channel shaped member disposed within said channel shaped body and having its arms directed downwards adjacent the inner faces of said flanged wheels and supported on said axles, fins on one of the arms of said member extending laterally in one direction for engaging beneath the head of one of the rails for said truck at points beneath the wheels on the adjacent side of said truck, said channel shaped member having its other arm free, a second longitudinally extending channel shaped member disposed within said channel shaped member and having its arms directed downwards and laterally slidably mounted on said axles, fins on one of the arms of said second named channel shaped member extending laterally and engaging beneath the head of the other of the rails for said truck at points beneath the wheels on the adjacent side of said truck, said second channel shaped member having its other arm free, resilient means between said members urging the free arms of said first channel shaped member and the arm of said second channel shaped member formed with said fins towards each other, and a central axle mounted on and through the arms of said body and extending through the arms of said members and fixedly connected with the free arm of said second named channel shaped member by which said second named channel shaped member may be slightly moved to free its fins from the head of its respective rail.

2,364,786
ADVERTISING DISPLAY DEVICE
Harvey H. Hall, Denver, Colo.
Application June 3, 1944, Serial No. 538,581
5 Claims. (Cl. 40—33)

1. An advertising device comprising an outer housing; a hollow, stationary shaft passing through said outer housing; a multi-sided drum rotatably mounted on said shaft so that its sides will be successively displayed through a window in said housing; drive means mounted on said shaft within said drum for rotating the latter; friction means for transmitting rotation from

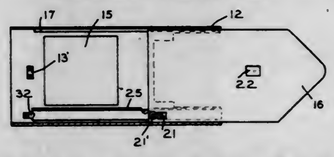


said drive means to said drum; and means for restraining rotation of the latter at intervals while said drive means continues to rotate in consequence of said friction means.

2,364,787
MEANS FOR SAVING LIFE
Clement Philip Harrison, Mill Hill, London, and Charles Wallace Saunders, Bramley, England, assignors to The General Electric Company Limited, Kingsway, London, England
Application April 11, 1941, Serial No. 388,066
In Great Britain April 16, 1940
5 Claims. (Cl. 177—329)

2. In an electric lighting apparatus for use by persons afloat, a float adapted to be buoyantly supported in water, an electric lamp carried by said float and adapted when the float is in water to be disposed above water level, electrical switch means carried on said float and adapted upon closing to complete a circuit supplying current to said electric lamp, a removable cap carried by said float and covering said lamp, the direction of movement of said cap upon removal thereof being parallel to the direction of motion of said switch means upon closing the latter, a breakable seal connecting said cap to a fixed point on said float, a second breakable seal connecting said cap to said switch means, said seals being so constructed and arranged that removal of said cap will first break said first mentioned seal, then close said switch means to energize said lamp, then break said second seal, and then expose said lamp.

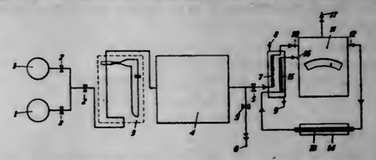
2,364,788
SLIDE CHANGING DEVICE
James E. Harvey, Rochester, and Willard T. Perkins, Irondequoit, N. Y., assignors to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application September 1, 1942, Serial No. 456,880
4 Claims. (Cl. 88—28)



1. A slide changing device comprising a frame having top and bottom walls and a pair of spaced side walls with aligned apertures therein defining a projection position; a pair of slide-carrying tracks extending longitudinally of said frame adjacent the lower wall thereof; a guide intermediate said tracks; a guide adjacent the top wall of said frame and aligned and co-extensive with said lower guide; a slide carrier extending between said guides and mounted for reciprocal movement along the same between alternate positions on said frame; an arm having one end pivotally mounted on one side of said carrier; a finger laterally projecting from the free end of said arm; cam means engaged by said arm upon movement of said carrier to one of said alternate positions and moving said arm to a position in which said finger overlies one of said tracks whereby movement of said carrier toward the other of said alternate positions causes the finger to engage and move a slide in projection position along said track to an ejected position; additional cam means for engaging and moving said arm to position the finger carried thereby underneath said track upon movement of said carrier to the other of said positions; rigid means on the opposite side of said carrier overlying the other of said tracks for engaging a slide in storage position and moving it into a pre-projection position in registry with said apertures upon movement of said carrier to the other of said positions, said carrier in the last-named position being disposed between the slide in pre-projection position and a slide in projection position; means for holding the slide in the pre-projection position in registry with said apertures upon return movement of said carrier; and a leaf spring having an end fixed to one of said side walls and bowed toward the other for moving said last-named slide into projection position upon ejection of the first-named slide by said finger as said carrier is moved out of the position between said slides.

2,364,789
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2 Claims. (Cl. 23—232)

1. A method of estimating the quantity of free ammonia contained in mixed gas leaving a nitriding furnace, consisting in subjecting the mixed gas to a predetermined temperature condition, then metering the volume of the mixed gas, subjecting the mixed gas after metering to a cracking to break down the ammonia content as a free gas to thereby increase the volume of the mixed gas to an extent incident to the free ammonia, subjecting the mixed gas of increased volume to a temperature condition identical with that condition of the mixed gas before metering, and metering the volume of the gas of increased volume,

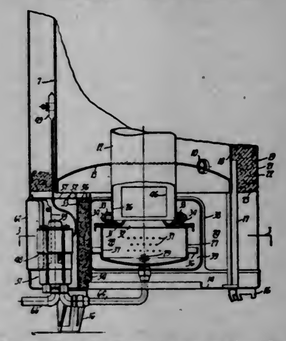


the metering of the volume of mixed gas and the metering of the volume of the gas of increased volume being correlated for a single differential reading to indicate measurement of volume increase of one gas over the other and thereby the proportion of the free ammonia constituent of the original mixed gas.

2,364,790
TREATMENT OF ORGANIC DIELECTRIC MATERIALS WITH HIGH-FREQUENCY ELECTRIC CURRENT
Charles B. Hemming, Parlin, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 13, 1941, Serial No. 410,785
7 Claims. (Cl. 204—165)

6. Process for promoting the polymerization of unpolymerized and monomeric organic materials of high dielectric value which comprises dispersing titanium dioxide selected from the group consisting of rutile and brookite in said organic material and exposing the so modified material to an energized electrostatic high frequency field until the material is polymerized, said frequency being from 100,000 cycles per second to 100 megacycles per second.

2,364,791
WATER HEATER
William O. Horne, Chicago, Ill., assignor to Rheem Manufacturing Company, Richmond, Calif., a corporation of California
Application November 21, 1941, Serial No. 419,841
7 Claims. (Cl. 122—14)



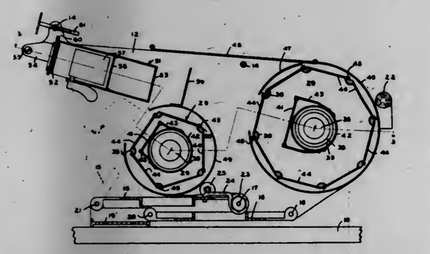
2. A domestic storage type water heater comprising, an elongated up-ended water tank, a casing surrounding said tank in spaced relation and extending below the bottom of said tank to define a burner space thereunder, an oil burner mounted in said space, means defining a closed com-

partment recessed from the side of said casing into said space, and a float control valve mounted in said compartment.

2,364,792
PRODUCTION OF ZEIN COATING
Albert L. James, Tenafly, N. J., assignor to Corn Products Refining Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application January 31, 1942, Serial No. 429,136
6 Claims. (Cl. 106—153)

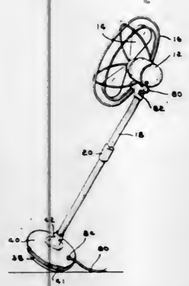
2. In the formation of coatings from aqueous zein dispersions in which an alkali and a sulfonated vegetable oil are used as dispersing agents: the improvement which comprises incorporating in the dispersion a substance to increase the water resistance of the coating and reduce the curing time thereof, of the group of substances consisting of the acetates and formates of aluminum, barium, calcium, magnesium, tin, zinc, copper and lead.

2,364,793
EYE-TESTING APPARATUS
Frederick W. Jobe, Brighton, and Henry W. Trost, Rochester, N. Y., assignors to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application July 6, 1942, Serial No. 449,876
7 Claims. (Cl. 88—20)



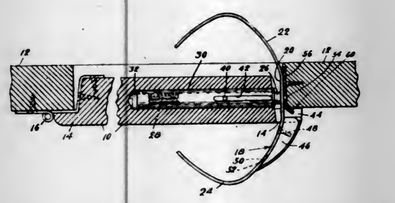
1. An eye-testing apparatus having a base; support means carried by the base; a pair of target slides carried by said support means; means for illuminating said target slides; means through which said target slides are observed; means for pivotally mounting said observing means for selective alignment with either of said target slides; lens means carried within said observing means at one end thereof, the opposite end of said observing means being provided with aperture means to limit the field of vision, the pivotal axis of said observing means being substantially horizontal and located on the side of said lens means away from said target slides to pass substantially through the center of rotation of the eyes of a patient who is looking through said lens means, one of said target slides being located in an elevated position with respect to the other target slides and one of the target slides being located in front of the other target slides, one of said target slides disposed in a plane substantially coincident with the focal plane of the lens means when said observing means is aligned with that target slide, the other target slide being positioned to lie inside the focal plane of the lens means when the observing means is aligned with the last-mentioned target slide.

2,364,794
PEDESTAL
Gustav H. Koch, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 8, 1943, Serial No. 486,139
6 Claims. (Cl. 248—194)



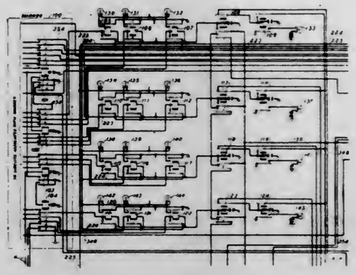
1. A pedestal for supporting an electric device including a column, and a base for supporting said column, means for rotatably connecting said base to said column, whereby said base serves as a wheel support on which said pedestal may be moved from one location to another, and an electric conductor for energizing said device, said conductor extending through said column and being so constructed and arranged as to be non-rotatable with the rotation of said base with respect to said column.

2,364,795
DOOR HANDLE AND LATCH
Richard Koehler, Manchester, N. H.
Application September 25, 1942, Serial No. 459,651
15 Claims. (Cl. 292—74)



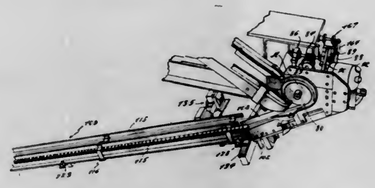
10. In a door handle, the combination of a handle member arranged to be mounted crosswise of an edge of a door, said handle member having a hand-grip portion at each side of the door and a finger guiding portion extending from one hand-grip portion to the other across and outside of the edge of the door; means for mounting the handle yieldingly on the door for movement of its finger-guiding portion toward and from the edge of the door; a latch element arranged to be mounted on the door casing adjacent to the handle; and a cooperating latch element on the handle, the said finger guiding portion of the handle, when the handle is free of said latch element on the door casing, being spaced from the edge of the door sufficiently for free sliding of a finger along the guiding portion from one hand-grip portion to the other and being free from obstruction to such free sliding of a finger.

2,364,796
TROUBLE INDICATING SYSTEM
Franklin A. Korn, Westfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 27, 1942, Serial No. 436,457
15 Claims. (Cl. 179—175.2)



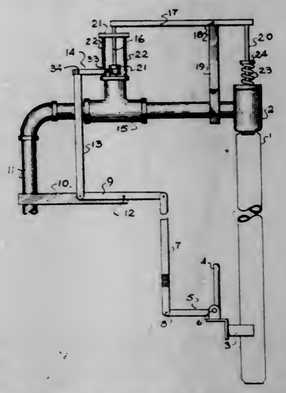
12. In a telephone switching system, a plurality of switch controlling circuits, a trouble indicator, indicating devices in said trouble indicator individual to said controlling circuits, means in said switch controlling circuits responsive to a failure for causing the seizure of said trouble indicator and the operation of certain of said indicating devices to identify the individual controlling circuits connected thereto, means responsive to the operation of said indicating devices to disconnect said controlling circuits from said trouble indicator, and other means in said trouble indicator operably responsive to successive connections of the same controlling circuit with said trouble indicator to specifically identify said latter controlling circuit.

2,364,797
MAGAZINE FILLING MECHANISM
Norman V. Kuehlman, Milwaukee, Wis., assignor to The National Lock Washer Company, Newark, N. J., a corporation of New Jersey
Original application July 10, 1941, Serial No. 401,804. Divided and this application August 25, 1942, Serial No. 456,043
5 Claims. (Cl. 10—162)



1. In a machine having assembly means for assembling washers on headed articles, the combination of a discharge track, a quill support adapted to hold a pair of quills side by side, a pivot for said support intermediate the ends thereof, a solenoid for moving said support about said pivot so as to bring the open ends of quills on said support alternately into registry with the end of said discharge track, solenoid-operated means for arresting the flow of assemblies along said discharge track, and means for activating both solenoids each time a predetermined number of assemblies have been made by the machine.

2,364,798
APPARATUS FOR COATING FLUORESCENT LAMPS
August E. Kulberg and Charles L. Albright, Beverly, Mass., assignors to Sylvania Electric Products Inc., a corporation of Massachusetts
Application September 4, 1941, Serial No. 409,497
1 Claim. (Cl. 91—43)

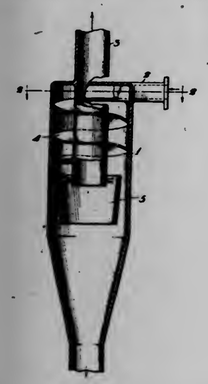


A valve unit for coating glass tubes with luminescent material, said unit comprising: a conduit for carrying said material; a control valve adjacent the end of said conduit; a delivery valve at the end of said conduit; means on said delivery valve for receiving an end of a tube to be coated; a guide member below said delivery valve, for aligning a tube with an end in said delivery valve receiving means; a linkage system arranged to operate said valves simultaneously; and a handle for operating said valves through said linkage, said handle being pivotally mounted adjacent said guide member whereby a tube, as arranged for coating in said unit, may be included in a manual grip on said handle, and pressed against said guide thereby, as a fixed member in the contraction of said grip to pivot said handle and operate said linkage.

2,364,799
CONCENTRATION OF SLURRIES
Herman G. Laughlin, Tonawanda, and Gerald J. Risser, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application March 24, 1941, Serial No. 384,926
14 Claims. (Cl. 210—58)

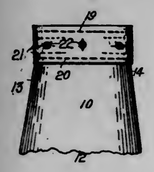
1. A centrifugal separator comprising a vertical hollow cylinder having a closed top, an inlet connected with said vertical hollow cylinder in its upper part, said inlet being so arranged as to lead fluid into said vertical hollow cylinder in a substantially tangential direction, a vertical effluent conduit situated concentrically within said vertical hollow cylinder and extending through the top of said vertical hollow cylinder, an annular space lying between said effluent conduit and the interior circumferential surface of said vertical hollow cylinder, helical baffle means situated in said annular space, said helical baffle means being so arranged in relation to said vertical conduit and the interior circumferential surface of said vertical hollow cylinder as to define a substantially helical passageway throughout at least the major part of said annular space and a vertical baffle of circular horizontal cross-section located concentrically within the lower part of

said annular space below said helical baffle means and extending below the lower end of said vertical conduit, the diameter of the upper extremity



of said vertical baffle being greater than the diameter of the lower extremity of said vertical conduit, and an outlet at the bottom of said vertical hollow cylinder.

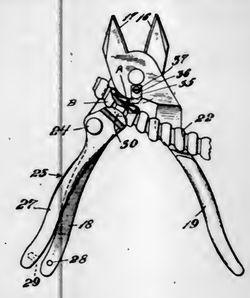
2,364,800
MOP
Alexander Jean Lipstock, Brooklyn, N. Y., assignor to The Industrial Home for the Blind, Brooklyn, N. Y., a corporation of New York
Application June 11, 1942, Serial No. 446,553
2 Claims. (Cl. 15—229)



1. A mop comprising a cuff consisting of a strip of material adapted to be wrapped around a mop stick with the ends of the cuff overlapping, strands of material carried by the cuff, the said strands being less numerous at the ends of the cuff than in the central portion thereof, in order that when the ends of the cuff are overlapped and contiguous, the strands at the overlapped portion will approximate the bulk of the strands in the intermediate portion thereof, a reinforcing band applied to the exterior of the cuff, means for attaching the said reinforcing band to the cuff, and removable means for attaching the encircling cuff to the mop stick.

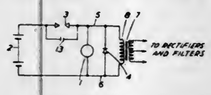
2,364,801
ARMORED CABLE CUTTER
Rene Martines, Cranston, R. I.
Application January 5, 1944, Serial No. 517,119
4 Claims. (Cl. 30—91)

1. In a device for severing the armor of cables, a pair of relatively movable members, means carried by one member to clamp a single convolution of the cable to be severed thereto, and a cutter carried by the other member for movement across the bound convolution to sever the same and at near the end of the stroke engage the overlapping portion of the adjacent con-



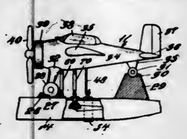
volution and move it out of the way as the severing stroke is completed.

2,364,802
ALTERNATING CURRENT SUPPLY
Frederick Percival Mason, Croydon, England, assignor to Creed and Company Limited, Croydon, England
Application December 21, 1942, Serial No. 469,687
In Great Britain November 7, 1941
3 Claims. (Cl. 171—97)



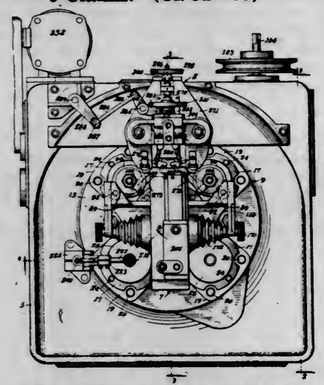
3. An alternating current generating system comprising a motor, a direct current feed circuit connected to the motor, separable contacts in series in said circuit, a motor speed governor controlling said contacts arranged to close and open the contacts at frequent intervals, a rectifier connected in shunt across the motor, and means for deriving alternating current from said circuit comprising a transformer having a primary winding including two opposed sections, one connected in shunt to said motor and rectifier and the other connected in shunt to said contacts.

2,364,803
CRASH PLANE
Peter Mayhew, Barrington, R. I.
Application August 19, 1941, Serial No. 407,423
4 Claims. (Cl. 244—2)



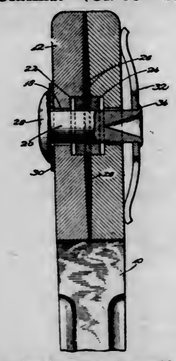
1. In combination an airplane, controls therefor comprising ailerons and rudder, driving means therefor comprising a propeller and engine, a second airplane superimposed on the first airplane, detachable means for connecting said planes together, means extending from the second airplane to the first airplane for operation of the controls of the first airplane comprising members separably telescoped together with means for transmitting torque movement from one to the other.

2,364,804
GRINDER
Donald H. Montgomery, West Hartford, and Louis R. Kirk, Bristol, Conn., assignors to The New Britain Machine Company, New Britain, Conn., a corporation of Connecticut
Application October 10, 1941, Serial No. 414,394
9 Claims. (Cl. 51—53)



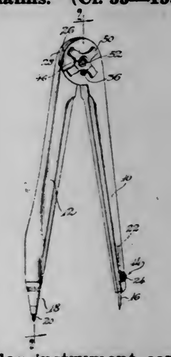
1. In an automatic grinding machine, grinding means, means for traversing said grinding means and work piece relatively to each other for grinding the latter, adjustable means to be set to cause said traversing means to normally make a definite number of grinding passes, gauging means for ground work, and means controlled by said gauging means for varying the setting of said adjustable means for causing said traversing means to make a different number of grinding passes.

2,364,805
DRAFTING INSTRUMENT AND THE LIKE
James Nash, Sheboygan, Wis., assignor to William H. Murphy, executor of Harry De Lisle, deceased, doing business as Engineering Sales Company, Sheboygan, Wis.
Application October 7, 1942, Serial No. 461,132
9 Claims. (Cl. 33—153)



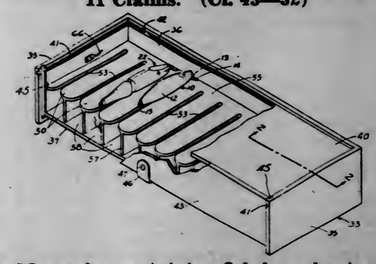
1. A drafting instrument or the like comprising a pair of legs having similar circular disc-like contiguous faces formed at their upper ends, said faces being slightly concave, a hinge pin extending through and joining said legs in a position substantially centrally of said faces, a thin flat washer surrounding said pin and located between said faces and bearing against both of said faces at its periphery, said washer being spaced from said faces at points other than its periphery by reason of the concave nature of said faces, resilient means cooperating with said hinge pin tending to urge said faces toward each other, and a cylindrical aligning member surrounding said pin near its midpoint and having its outer cylindrical surface extending into complementary recesses counterbored in said faces.

2,364,806
PIVOTED LEG INSTRUMENT
James Nash, Sheboygan, Wis., assignor to William H. Murphy, executor of Harry De Lisle, deceased, doing business as Engineering Sales Company, Sheboygan, Wis.
Application May 17, 1943, Serial No. 487,306
5 Claims. (Cl. 33—153)



1. A pivoted leg instrument comprising a pair of legs having similar circular disc-like contiguous faces formed at their upper ends, one of said faces being slightly concave, a hinge pin extending through and joining said legs in a position substantially centrally of said faces, a thin flat washer surrounding said pin and located between said faces and bearing against said concave face at its periphery, said washer being spaced from said concave face at points other than its periphery by reason of the concave nature of said face, the other of said faces having projections bearing against said washer, one of said projections being adjustable to change the angle between the last said face and said washer, and resilient means cooperating with said hinge pin tending to urge said faces toward each other.

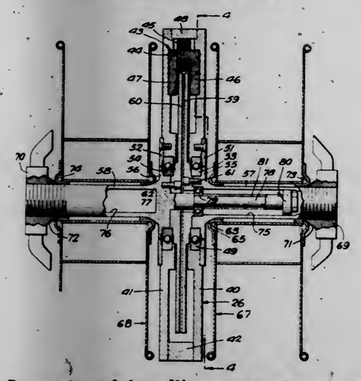
2,364,807
FISH LURE CONTAINER
Lawrence Nelson, Jr., Chicago, Ill., assignor of one-half to S. R. Pietz, Chicago, Ill.
Application October 9, 1943, Serial No. 505,594
11 Claims. (Cl. 43—32)



1. Means for containing fish lures having elongated bodies and hooks pending laterally from

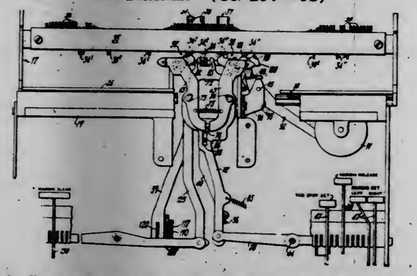
the bodies, said means comprising walls forming a container, a plurality of shelf elements arranged in a common plane in said container to define a body-receiving space on one side of the plane and a hook-receiving space on the other side of the plane, said shelf elements being spaced apart to form hook-receiving slots, and walls both bracing at least some of said shelf elements individually and partitioning said hook-receiving space to prevent entanglement of hooks of adjacent lures.

2,364,808
STRAND HANDLING APPARATUS
Oscar G. Nelson, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application October 19, 1943, Serial No. 506,857
6 Claims. (Cl. 57—60)



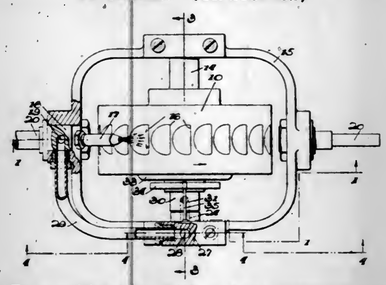
1. In a strand handling apparatus, a pair of supply reels rotatable in opposite directions, means for supporting said supply reels on a common axis, discs attached to the supply reels and positioned between the supply reels, an electromagnet positioned to direct its flux field through the discs adjacent their periphery to retard rotation of the discs, and means for controlling the supply of current to the electromagnet.

2,364,809
TYPEWRITING MACHINE
Meigs W. Newberry, South Windsor, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application December 31, 1942, Serial No. 470,880
18 Claims. (Cl. 197—63)



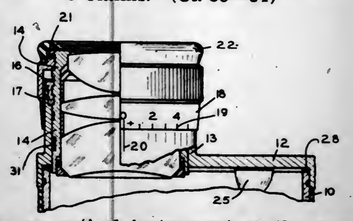
1. In a typewriter having two elements, one a frame and the other a carriage movable on the frame; mechanism providing for selection of carriage locations for effecting certain typewriter functions such as gaging margins, line-end signalling, line locking and tabulating; said mechanism comprising a plurality of members on one of said elements, each adapted for setting to an effective position, to present distinctive groups of set members for individually effecting certain ones of the typewriter functions, the groups being distinguished one from the others by the number of set members in respective groups or by the spacing between the set members of respective groups; and means on the other said element, acting in response to coaction of one member group only, to effect a certain one of the typewriter functions.

2,364,810
SPEED GOVERNING MEANS
Paul A. Noxon, Tenafly, N. J., assignor to Bendix Aviation Corporation, Bendix, N. J., a corporation of Delaware
Application October 29, 1941, Serial No. 417,047
19 Claims. (Cl. 253—52)



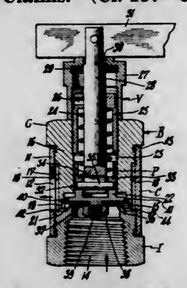
1. In combination with a fluid pressure driven rotor, a nozzle for directing said fluid pressure to spin said rotor, means comprising a by-pass valve communicating with said nozzle for varying the fluid pressure supplied to said nozzle, magnetic field producing means carried by and rotatable with said rotor, and means comprising a resiliently constrained member operatively connected to said valve and inductively associated with and mounted for angular movement by said magnetic field producing means an amount proportional to the speed of said rotor and responding to a predetermined speed of rotation of said rotor for operating said valve.

2,364,811
OPTICAL INSTRUMENT
Willard T. Perkins, Irondequoit, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application April 7, 1943, Serial No. 482,111
9 Claims. (Cl. 88—34)



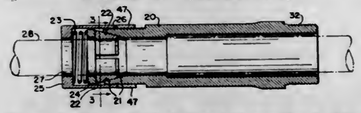
1. In an optical instrument of the type described, a body having an open end; a cap closing the open end of said body; a plurality of coplanar surfaces on the undersurface of said cap; a tubular member formed integral with said cap, the axis of said tubular member being disposed in a predetermined position relative to the plane of said surfaces; a plurality of coplanar surfaces formed on said body and directly engaging the surfaces of said cap, the surfaces of said cap cooperating with the surfaces of said body for positioning the axis of said tubular member in a predetermined position relative to said body; and compressible gasket means positioned between parts of the cap and body so as to form a tight seal therebetween, the gasket means being spaced away from the coacting coplanar surfaces.

2,364,812
POPPET VALVE
Ralph C. Pierson, Indianapolis, Ind., assignor to Union Carbide and Carbon Corporation, a corporation of New York
Application June 14, 1941, Serial No. 398,076
17 Claims. (Cl. 137—53)



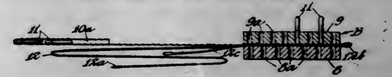
17. In a fluid pressure relief valve having a valve body, a valve chamber having an annular skirt, an annular valve seat, and a valve head comprising a member normally covering said seat but movable away from said seat, the combination comprising a resilient diaphragm; and means securing said diaphragm to said head, said diaphragm comprising an inner annular gasket portion located between said member and said seat, and a free outer portion extending radially from said gasket portion outwardly toward said skirt and terminating in an outer edge adapted to engage and form a substantial fluid-tight seal with said skirt when said head moves a predetermined distance from said seat.

2,364,813
STOCK PUSHER
Ralph E. Pixler, Dayton, Ohio
Application November 20, 1943, Serial No. 511,005
2 Claims. (Cl. 29—62)



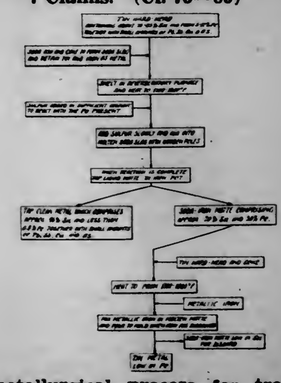
1. In a device of the class described, the combination of a hollow cylindrical member having one end attached to a reciprocatory means and having an outside threaded section on the other end; a tapered internal surface on said member extending inwardly from said other end of said member; a plurality of devices having tapered outer walls to cooperate with said tapered surfaces, to grip and feed raw stock when said means is moved in one direction and to slide over the raw stock when said means is moved in another direction; a pressure collar adjacent the large ends of said devices; resilient means cooperating with said collar; and a retaining member hollowed out to house said collar and resilient means and having internal threads to hold said retaining member on said other end of the cylindrical member to maintain pressure of said collar adjacent said devices and prevent spreading of the tapered end of said cylindrical member when said devices are forced against the tapered surface thereof during feeding movement of the cylindrical member, said retaining member having perforations in the side thereof so that foreign elements which gather in the retaining member during operations of the cylindrical member may be emitted therefrom during such operations.

2,364,814
GAME APPARATUS
Robert K. Plummer and Leon M. Hamlet, Minneapolis, and Taalkeus A. Blank, Rochester, Minn.
Application December 16, 1942, Serial No. 469,186
2 Claims. (Cl. 273—136)



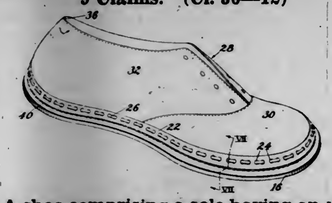
2. Game apparatus comprising a substantially rigid playing board having a series of defined areas for receiving playing pieces, a flexible securing element extending from one edge of said board adapted to surround the leg of a player and a cooperating securing element at the opposite edge of said board adapted to be engaged and secured by said flexible element for securing said board horizontally to the leg of a player.

2,364,815
METHOD OF TREATING TIN HARDHEAD TO RECOVER TIN
Carroll B. Porter, Metuchen, N. J., assignor to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey
Application March 9, 1944, Serial No. 525,626
7 Claims. (Cl. 75—85)



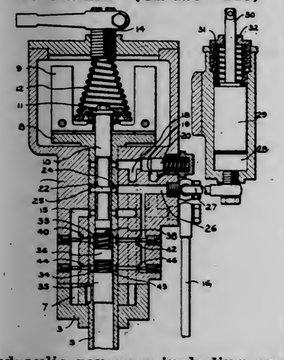
1. A metallurgical process for treating tin hardhead to recover tin metal which comprises intermixing with tin hardhead 5 to 10% of sodium carbonate, 0.5 to 2.5% of coke and 8 to 12% of sulphur to form a smeltable charge, smelting the charge in a reverberatory furnace at smelting temperature whereby to produce a layer of matte in which substantially all iron in the melt will collect leaving a residual tin metal portion which comprises approximately 95% Sn, said tin metal containing less than 0.8% Fe and small amounts of other elements as impurities.

2,364,816
SHOE
Edward Quinn, Saugus, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application November 21, 1942, Serial No. 466,447
9 Claims. (Cl. 36—12)



1. A shoe comprising a sole having an upstanding flange formed integrally therewith and consisting of the upturned flap of a marginal channel extending from the upper face of the sole outwardly toward the sole edge, said flange having a series of perforations extending therealong, an upper having its lower margin lying against the inner side of said flange, said margin having a series of perforations therein registering with the perforations in said flange, a lacing running through the respective registering perforations and securing the upper to the flange, and a line of stitching extending through the margin of said sole outwardly of but closely adjacent to the base of said flange, said stitching reinforcing the integral connection between the flange and the body of the sole.

2,364,817
REGULATING DEVICE
Ferdinando Carlo Reggio, Buffalo, N. Y.
Application January 27, 1941, Serial No. 376,170
19 Claims. (Cl. 123—140)



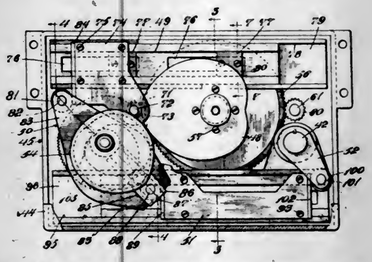
1. A hydraulic governor including pressure-actuated engine control means, an axially slidable pressure regulating valve, a first conduit for establishing a variable-pressure fluid connection between said valve and said engine control means, an engine-driven flyball mechanism and resilient means acting against one another and connected with said valve for shifting the latter in response to speed changes, a first chamber at one end of said valve, the fluid pressure in said chamber exerting on said valve an axial load cooperating with the centrifugal force of said flyball mechanism to balance the load of said resilient means whereby changes of fluid pressure in said chamber cause corresponding changes of said centrifugal force and therefore of the speed necessary for reestablishing the axial equilibrium of said valve, a second chamber separated from said first chamber by means of a floating pressure-actuated resiliently-slidable plunger, a second conduit in which the fluid is maintained at constant pressure, first and second orifices for establishing a fluid flow communication between said second chamber and said first and second conduits respectively, the ratio of said orifices determining the temporary speed fluctuation, and third and fourth orifices connecting said first chamber with said first and second conduits respectively, the total area of said third and fourth orifices determining the duration of said temporary speed fluctuation, and the ratio of said third and fourth orifices determining the permanent speed fluctuation.

16. A regulating device including fluid pressure actuated servomotor means, a valve slidable as one rigid member to control said means, a fluid chamber defined in part by one end of said valve, and means including resiliently loaded movable wall means and fluid flow restricting means connected with said chamber for temporarily varying the pressure in said chamber upon motion of said servomotor means.

2,364,818
DIFLUOROALKANES
Mary W. Renoll, Oakwood, Ohio, assignor to Monsanto Chemical Company, a corporation of Delaware
No Drawing. Application February 23, 1942, Serial No. 432,095
6 Claims. (Cl. 260—653)

1. The process for producing difluoroalkanes comprising mixing a monochloroolefin with anhydrous hydrogen fluoride at a temperature at which there is substantially no reaction, raising the temperature of the mixture to effect a reaction and then cooling the reaction mixture.

2,364,819
BUILDER MECHANISM
Fred M. Roddy, Providence, R. I., assignor to H & B American Machine Company, a corporation of Maine
Application February 13, 1941, Serial No. 378,745
5 Claims. (Cl. 242—43.4)



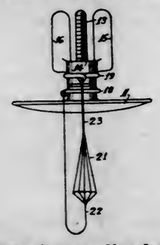
1. Builder mechanism for reciprocating a rail of a spinning or twisting machine having an oscillatable builder lever operatively connected with said rail, means for oscillating said lever comprising a power driven cam, a slide actuated by said cam, a rocker arm actuated at one end by said slide and having an adjustable element at the opposite end thereof, means for adjusting said element relative to the said arm, means for oscillarm, a reciprocable bar actuated by said element, and operative connections between said bar and said builder lever for effecting oscillations of said lever and reciprocations of said rail in accordance with the reciprocations of said bar as determined by the adjustment of said element.

2,364,820
BEER FAUCET
John E. Rosander and Axel Edward Rosander, Minneapolis, Minn.
Application January 9, 1941, Serial No. 373,710
2 Claims. (Cl. 138—41)



1. Flow control means for use with a faucet having a cut-off valve comprising, a conduit adapted for connection with a source of liquid under pressure, a relatviely stationary flow restriction member associated with said conduit, a relatively movable flow restriction member positioned in opposed relation to said relatively stationary restriction member, a guide stem in said conduit and supporting said relatively movable restriction member, said guide stem being of a cross sectional size to materially and fixedly reduce the flow capacity of said conduit at at least one point therein, the flow approach end of said stem having a longitudinal bore therein, a strainer element incorporated in said stem intermediate the ends thereof and in flow communication with the bore in said stem, and said strainer being located on the flow approach side of said restriction members.

2,364,821
PARACHUTE TOY
Alfred L. Ruthven, Binghamton, N. Y., assignor to Louis R. Ruthven, Binghamton, N. Y.
Application January 14, 1942, Serial No. 426,761
12 Claims. (Cl. 46—86)



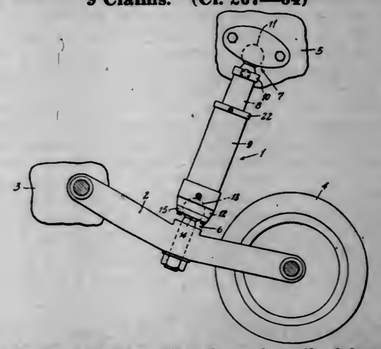
1. In a parachute toy, a disc having a central stem with a screw thread thereon, a socket screwed on said stem having air vanes projecting at right angles to the plane of the disc, a parachute having its crown attached to said socket and its base attached to said disc and arranged so that in flight the parachute remains closed and when the socket is unscrewed by the action of the air on the vanes as it is projected, the parachute is opened to retard the fall of the disc.

2,364,822
PLATING RACK
Max Stefan Schneider, Chicago, Ill.
Application November 6, 1941, Serial No. 417,997
5 Claims. (Cl. 204—297)

1. A knockdown plating rack comprising at least two rod-like sections arranged substantially end to end, a tension element extending between and connecting said sections and having a screw-threaded engagement with at least one of said sections, the adjacent ends of said sections having clamping shoulders adjacent said tension element, and a work supporting element extending laterally from said sections and having an opening through which said tension element passes, a portion of said work supporting element adjacent said tension element being clamped between said shoulders, and said work supporting element being angularly adjustable about the axis of said tension element.

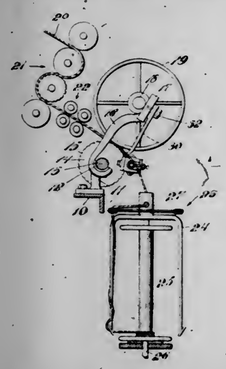


2,364,823
PISTON CONSTRUCTION
Steve Schnell, Kirkwood, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application September 7, 1942, Serial No. 457,615
9 Claims. (Cl. 267—64)



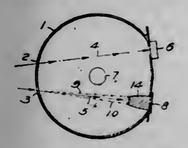
1. In a device of the class described having a cylinder, a piston construction mounted therein forming separated chambers and fluid normally under equal pressures in said chambers, said piston construction comprising a flexible diaphragm extending across the cylinder and having its peripheral portion in pressure contact with the cylinder wall, and rigid means carried by the central portion of the diaphragm and positioned on opposite sides thereof, said rigid means having peripheral portions spaced apart a greater distance than the axial thickness of the peripheral portion of the diaphragm whereby when there are small momentary changes in pressure of the fluid in one of the cylinders limited flexing of the central portion only of the diaphragm will be present and when there are larger changes in pressure the entire diaphragm will be moved as a result of engagement of the peripheral portion of the diaphragm by a peripheral portion of said means.

2,364,824
STOP MOTION FOR TEXTILE APPARATUS
Walter J. Scott, Woonsocket, R. I.
Application November 3, 1943, Serial No. 508,819
5 Claims. (Cl. 57—81)



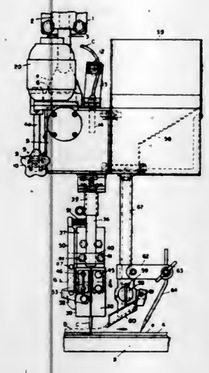
1. In a drawing frame, delivery draft rolls, packaging means for each end of the yarn, means including an electric circuit for stopping the frame upon energizing the circuit, a plurality of circuit controlling devices one positioned to be controlled by the travel of each yarn from its draft rolls to its packaging means, said devices each including a support carrying a plurality of movable arms spaced from each other, one extending on one side of said support in the path of movement of an adjacent yarn end, and another on the opposite side of said support and in the path of an adjacent yarn end, a contact for each of said arms, a means for connecting said contacts and a common means for connecting said arms in said circuit, means for movably mounting each arm to move into engagement with its contact, said devices each being so positioned that the yarn engages said arms and holds the arm spaced from said contact whereby upon breaking the yarn said arm moves to engage said contact and closes said circuit, and independently operable means to block movement of each arm into circuit closing position whereby the frame may operate after one of a plurality of yarns breaks.

2,364,825
SPECTROPHOTOMETER ATTACHMENT FOR REJECTING SPECULAR REFLECTION
William A. Shurcliff, Plainfield, N. J., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application February 13, 1942, Serial No. 430,718
5 Claims. (Cl. 88—14)



1. In a flickering-beam type spectrophotometer, an integrating sphere having at least one opening for the admission of light into the sphere; at least one sample mounting window; a transparent adapter located in said window, said adapter having one face forming a substantially continuous surface with that portion of the external sphere surface surrounding and adjacent to said window, the opposite face of the adapter being shaped to focus the specular component of the total reflected light resulting from incidence of substantially paraxial light thereon on said light-admitting opening and a mounting means adapted to hold a sample in contact with the surface formed by said adapter and sphere surface.

2,364,826
APPARATUS FOR ARC WELDING
Emmett A. Smith, East Cleveland, Ohio, assignor to The Lincoln Electric Company, Cleveland, Ohio, a corporation of Ohio
Application March 16, 1943, Serial No. 479,349
5 Claims. (Cl. 219—8)

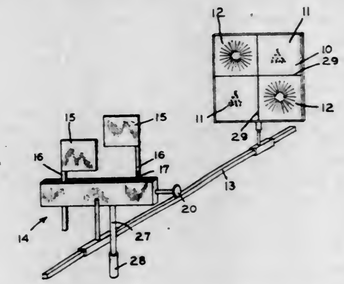


2. In apparatus for metallic arc welding, the combination of a support mounted for traversing movement relatively to the work, an arm on said support adjustable transversely of the direction of such movement, a housing carried by said arm and oscillatorily adjustable about an axis parallel with such direction of movement, manually operable means carried by said housing for thus oscillatorily adjusting the same, and means carried by said housing adapted to feed the weld-rod downwardly therethrough.

5. In apparatus for metallic arc welding, the combination of a housing, opposed weld-rod feed rolls mounted therein, means on said housing for guiding the weld-rod to said rolls, a tube depending from said housing adapted to receive the weld-rod from said feed rolls and guide the same to the work, a flux hopper attached to said housing, a tube extending downwardly from said hopper for discharging flux on the work in advance of the welding operation, and means at the lower end of said tube adapted to regulate the rate of discharge of the flux therefrom, while still permitting free flow of the flux.

2,364,827
EYE-TESTING DEVICE
Joseph W. Smith, Cambridge, Ohio
Application November 4, 1942, Serial No. 464,473
6 Claims. (Cl. 88—20)

1. In a device for testing the eyes of a subject, the combination of a test chart having duplicate sets of test objects in diagonally located relation; a pair of plates; and means for mounting each plate for horizontal and vertical movement relative to said chart for occluding opposite retinal halves of the eyes of the subject whereby the

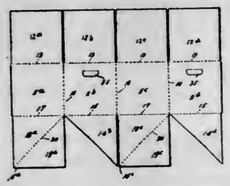


unoccluded opposite retinal halves of the eyes are caused to view opposite halves of said chart.

2,364,828
CLINKERING COAL AND METHOD OF PRODUCING SAME
Edward Swartzman, Ottawa, Ontario, Canada, assignor to His Majesty the King in the right of Canada, as represented by the Minister of Mines and Resources
No Drawing. Application September 10, 1942, Serial No. 457,876. In Canada September 4, 1942
5 Claims. (Cl. 44—1)

1. Method of treating coal having a substantially non-clinkering ash at approximately 2800° F. to render said ash clinkering below said temperature which comprises determining the ratio value of silica plus alumina to iron oxide content of said ash, and intimately mixing with said coal a controlled quantity of an iron oxide containing material to lower said ratio value to at most 6.

2,364,829
BOX
Harold Dencil Tichenor, Terre Haute, Ind., assignor to The Wabash Fibre Box Company, Terre Haute, Ind., a corporation of Indiana
Application October 22, 1942, Serial No. 462,890
4 Claims. (Cl. 229—39)

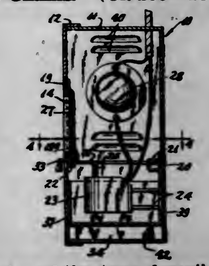


1. In a box, four side walls of foldable sheet material, two opposite ones of said walls being provided respectively at their lower edges with triangular tongues folded into the co-planar relationship and shaped so as substantially to close the lower end of said box except for a narrow slot formed by spaced diagonal edges of said tongues, each of the other two side walls being provided at its lower edge with a flap substantially coextensive in area with the box bottom, each of said flaps being inserted through such slot and folded through 180° along a fold line coinciding with the diagonal edge of one of the tongues to embrace said tongue.

2,364,830
LUBRICATING OIL
Charles C. Towne, Beacon, N. Y., assignor, by mesne assignments, to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application July 17, 1940, Serial No. 345,989
11 Claims. (Cl. 252—48)

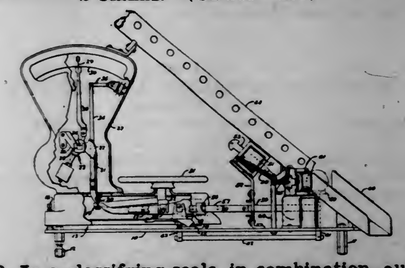
4. A lubricating oil composition comprising a mineral lubricating oil and an oil soluble sulfurized rubber polymer containing combined chlorine.

2,364,831
AIR RAID BLACK-OUT BOX
Eugene Van Damme, Richmond Hill, N. Y., by judicial change of name Eugene Vannee
Application February 11, 1942, Serial No. 430,344
7 Claims. (Cl. 206—168)



1. Any device of the type described, a box having a window opening, a grooved strip mounted along one side of said window opening, a pivotally mounted lever within said box and extended to the other side of said window opening and having a groove opposed to said groove, a switch for controlling an electric circuit and having a plunger resiliently urged outwards and engaging and urging said lever towards said grooved strip, said switch being normally closed when said plunger is depressed and open when said plunger is extended, and a fragile stiff sheet extended across said window and engaging in said grooves for holding said lever and said plunger depressed.

2,364,832
CLASSIFYING SCALE
Mark A. Weckerly, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey
Application September 26, 1941, Serial No. 412,456
2 Claims. (Cl. 209—121)



2. In a classifying scale, in combination, automatic load counterbalancing mechanism, an article receiver operatively connected to said automatic load counterbalancing mechanism, means for adjusting said counterbalancing mechanism to the correct weight of the articles to be sorted, electrically operated means for periodically feed-

ing one of such articles onto the article receiver, contacts for energizing electrical circuits when the sample weight exceeds prescribed limits, electrically operable mechanism actuated only when the weight of the article is within limits for removing the weighed article from the article receiver, similar electrically operable mechanism actuated only when the weight of the article exceeds the limits for removing the article, a timer for controlling the sequence of operations, and electrical means connecting the timer, the weight limit contacts and the selecting and rejecting mechanisms.

2,364,833

N-ALLYLNORMORPHINE AND PROCESSES FOR ITS PRODUCTION

John Weijlard, Westfield, N. J., and Arthur E. Erickson, Brooklyn, N. Y., assignors to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey

No Drawing. Application December 6, 1941, Serial No. 421,962
5 Claims. (Cl. 260—285)

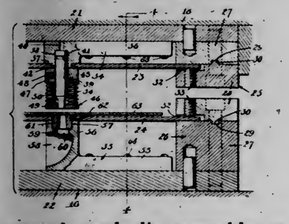
1. A substantially pure substance selected from the group consisting of N-allylnormorphine, a white crystalline solid of formula $C_{19}H_{21}O_3N$, melting at approximately 208–209° C., and salts thereof.

2,364,834

PUNCH AND DIE ASSEMBLY

Lawrence V. Whistler and Sanford A. Whistler, Kenmore, N. Y.

Application December 15, 1943, Serial No. 514,582
25 Claims. (Cl. 164—118)



1. In a punch and die assembly, a pair of mounting plates spaced apart, a punch-holder self-adhering to one of said mounting plates and having a punch, and a die-holder self-adhering to the other of said mounting plates and having a die for co-action with said punch, said punch and die-holders being adjustable on said mounting plate to enable the punch and die of said holders to be axially alined.

2,364,835

MEANS FOR SHEARING AND FORMING KNOCKOUTS

Lawrence V. Whistler and Sanford A. Whistler, Kenmore, N. Y.

Continuation of application Serial No. 479,953, March 20, 1943. This application April 20, 1944, Serial No. 531,952
24 Claims. (Cl. 164—32)



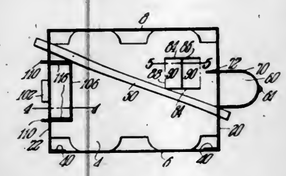
1. Punch and die mechanism for punching knock-outs in sheet metal or other flat stock, comprising spaced-apart foundation surfaces, each of which has a given superficial area, a plurality of punch-holders secured to one of said foundation surfaces, a corresponding number of die-holders secured to the other of said surfaces, a punch member secured to each of said punch-holders, and having a plurality of sections fitting one within another and immovable relatively in the direction of their axes, a die-member secured to each of said die-holders in axial alinement with a punch-member to form a punch and die couple and having a plurality of sections fitting one within another and immovable relatively in the direction of their axes, the operating faces of said punch and die-members having mating annular depressions and elevations adapted to lance stock circularly and having means to form tie-portions at one or more points of the circularly-lanced lines in said stock.

2,364,836

BIRD CAGE

Earl B. Whitehead, Norwich, Conn., assignor to Normain Corporation, Norwich, Conn., a corporation of Delaware

Application October 20, 1943, Serial No. 507,011
5 Claims. (Cl. 119—17)



1. A bird cage construction formed from a sheet of cardboard having panels hinged together to provide front, bottom, rear, upper and end walls certain of which walls are provided with slits receiving parts provided on adjacent walls, certain of said walls provided with spaced openings, certain opposite walls provided with openings for a support, a support in said openings frictionally engaging the same, and separate means connecting each end of the bottom wall to an end wall, the said means at one end of the bottom wall including a member extending from the bottom wall through an opening provided in one end wall and having a tab, and a member having a slot receiving said tab and provided with end portions in slots provided in said one end wall.

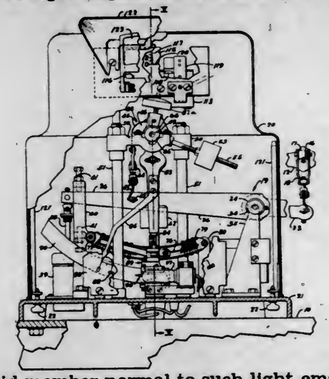
2,364,837

WEIGHING SCALE

Lawrence S. Williams, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey

Application December 4, 1941, Serial No. 421,629
6 Claims. (Cl. 88—24)

1. In a projecting value measuring instrument, a condition responsive element, a transparent indicia-bearing member, means for mounting said member on said element, a projection system comprising a lamp, lenses, mirrors and a screen for receiving images, said member being movable through the light emanating from said lamp whereby an image of the transparent indicia borne by said member corresponding to the magnitude of the condition to which said element is responsive is projected onto said screen, the mounting means for said member including means for deforming said mounting means in two planes at right angles to each other for positioning said member normal to such light emanating from said lamp.

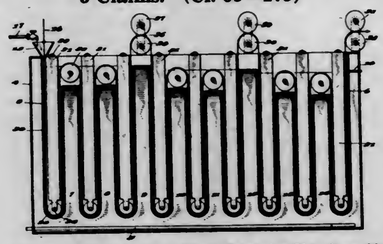


2,364,838

APPARATUS FOR TREATING MATERIAL

Sumner H. Williams, Charlotte, N. C.

Application February 26, 1942, Serial No. 432,499
5 Claims. (Cl. 68—175)



1. In an apparatus for chemically treating a continuous web of fabric a tank, a series of transverse vertical partitions defining wells formed therein, and arranged in groups, an inlet for treating liquid above the first of said wells, an outlet for liquid beyond the last of said wells, the final partition of each group being highest and forming a dam for the liquid, the liquid passing over the dam, a transverse roller mounted above each partition and means for festooning the web in each well and over each roller in succession, said means arranged in said wells so as to leave a narrow restricted area through which the material and liquid must travel.

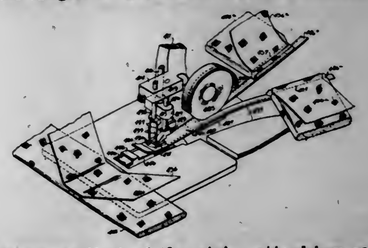
2,364,839

METHOD OF MAKING BANDAGES AND THE LIKE

William D. Young, Greenville, S. C., assignor of ten per cent to Thomas B. Taylor, ten per cent to Maravene S. Taylor, both of Port Washington, N. Y., fifteen per cent to Dorothy R. Young, Greenville, S. C., twenty per cent to Arthur C. Kingston, Belmont, Mass., ten per cent to Betty Jane Young, ten per cent to Jean Ann Young, ten per cent to Nancy Lou Young, all of Greenville, S. C., and one per cent to Eugene Richter, Montclair, N. J.

Application November 30, 1942, Serial No. 467,355
15 Claims. (Cl. 112—2)

1. That method of producing a bandage from a strip of fibrous material, a textile covering and a tie tape, the steps of which comprise forming said strip in a continuous length, providing a tie tape of a substantially greater continuous length than said strip, pleating said tie tape into accordion folds throughout its length until the overall length of the folded tape is substantially the same as that of the strip, attaching said tie tapes at two spaced points to said strip at spaced intervals, and then transversely severing the tie tape and bandage strip between the spaced points at the attaching intervals to thereby subdivide the strip and tape into relatively short units.

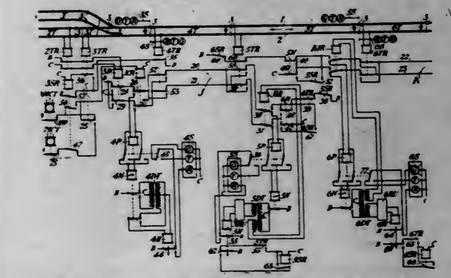


2,364,840

RAILWAY SIGNALING SYSTEM

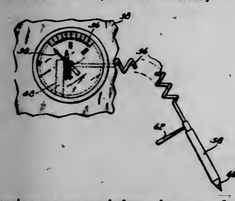
William F. Zane, La Grange, Ill., and George W. Baughman, Swissvale, Pa., assignors to The Union Switch and Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application July 18, 1941, Serial No. 402,906
4 Claims. (Cl. 246—33)



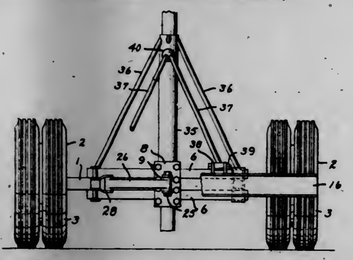
1. In combination, a stretch of railroad track having a pair of track rails over which traffic moves in both directions, the rails of the track stretch being divided by insulated joints into a plurality of track sections including an intermediate section having at one side a first section and at the other side a second section, a first signal governing movement of traffic from the first section into the intermediate section, a second signal governing movement of traffic from the second section into the intermediate section, a line circuit substantially coextensive with and controlled by traffic conditions in said intermediate section, means governed by traffic conditions in said first section for supplying to the line circuit master code energy of a first or second code frequency and of one or the other polarity, means responsive to master code energy of either frequency and either polarity supplied over said line circuit for supplying feed-back energy to said line circuit, means responsive to master code energy of one code frequency only supplied over said line circuit and selectively responsive to the polarity of such energy for controlling said second signal, and means responsive to feed-back energy supplied over said line circuit for controlling said first signal.

2,364,841
THERMOMETER
Samuel G. Eskin, Pittsburgh, Pa., assignor to American Thermometer Company, St. Louis, Mo., a corporation of Delaware
Application April 24, 1942, Serial No. 440,282
1 Claim. (Cl. 73—352)



A thermometer comprising in combination, an indicating instrument including a scale and pointer and an expansible element for operating said pointer, a bulb having a skewer point at one end, a flexible tubing connecting the opposite end of said bulb to said expansible element, a fluid actuating medium in said bulb, and a hollow member secured to said bulb adjacent the junction of said flexible tubing, said hollow member providing an operating handle and a filling opening for said fluid.

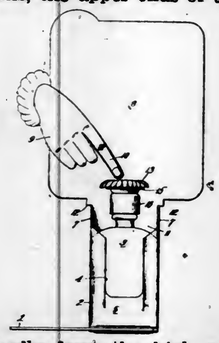
2,364,842
VEHICLE CONSTRUCTION
Julius Z. Feigelson, Beaumont, Tex.
Application October 25, 1941, Serial No. 416,478
6 Claims. (Cl. 280—124)



1. In a vehicle construction, a sill, a guide member attached thereto and extending therefrom, paired converging arms attached to said sill and said guide member, a transverse spring mounted on said sill and presenting an upwardly facing arcuate load supporting surface, a bolster resting upon said surface proximate its ends, a saddle member clamped centrally of said spring, a torque arm pivotally attached to said saddle and bolster to restrain said members from relative lateral movement, and a brace yoke assembly having its spaced ends pivotally attached to the bolster and a universal connection between the opposite end of the yoke member and the guide member.

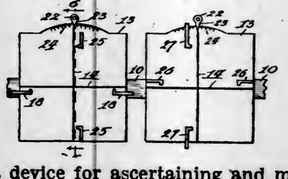
2,364,843
COMBINATION DISPLAY AND LIQUID PERFUME OR DEODORANT INDICATOR
Guy W. Fraser, Topeka, Kans.
Application August 7, 1942, Serial No. 454,050
1 Claim. (Cl. 248—174)

In a device of the character described, a container having a bottom, a back-wall rising from the bottom, a front wall rising from the bottom and spaced from the back wall and of less height than the latter, and provided with an opening; the upper end of the front wall at opposite sides of said opening diverging upwardly to a plane intermediate the upper extremity of the back-wall and the upper end of said opening, and side walls rising from the bottom and uniting the front and back-walls, the upper ends of the side walls



sloping upwardly from the high points of the front wall to the upper end of the back wall; the front wall also having a forwardly-projecting flap at its lower end, and a base of greater area than the bottom of the container and projecting therein between said flap and the container bottom and permanently secured to both.

2,364,844
ANISEIKONIA DETERMINING AND MEASURING DEVICE
Harry L. Fuog, Los Angeles, Calif.
Application September 20, 1943, Serial No. 503,041
8 Claims. (Cl. 88—20)



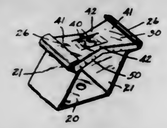
1. In a device for ascertaining and measuring aniseikonia, a pair of charts, each bearing on its face crossed meridians, pointers mounted for movement toward and away from each other adjacent one of said meridians, fixed pointers located adjacent the other meridian with the fixed pointers of each chart occupying positions 90 degrees from the movable pointers of said chart, and 90 degrees from the fixed pointers of the other chart.

2,364,845
PNEUMATIC FLOTATION AND ANTIDRAG SYSTEM
William R. Glen, Vancouver, British Columbia, Canada
Application November 3, 1942, Serial No. 464,413
1 Claim. (Cl. 244—105)



In combination with a hull of a hydroplane having sides and a substantially V-shaped bottom provided with a stepped portion located approximately midship of the hull, rows of air pressure discharging nozzles mounted in and extending through the bottom with one row of nozzles located in the apex of the bottom and the other rows of nozzles located in the sloping portions of the bottom, said rows of nozzles extending from points adjacent the forward end of the hull to points rearwardly of midship of the hull within the stepped portion, each of said nozzles being arranged at an angle to the vertical and inclining rearwardly with respect to the hull, check valves connected to said nozzles, an air pressure pipe located in and arranged horizontally of the hull, means connecting said check valves to said pipe, and an air pressure supply including a manual control connected to said pipe and mounted in the hull.

2,364,846
FASTENING DEVICE
Richard A. Hartman, Cleveland, Ohio, assignor to Tinnerman Products Inc., Cleveland, Ohio, a corporation of Ohio
Application December 22, 1943, Serial No. 515,248
8 Claims. (Cl. 248—49)



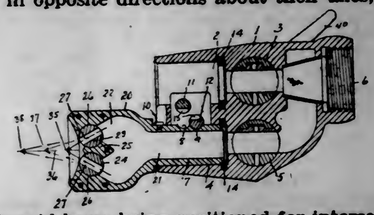
1. A fastener having a body embodying a sheet metal strip having an aperture therein for receiving the shank of a bolt or the like, said body being narrower at the mid-portion than at the end portions thereof, and a supporting clip having a base and a pair of comparatively stiff upstanding arms which engage the ends of the fastener and support it.

2,364,847
RUBBER CEMENT FOR FLOCKED FABRICS
Glen Sefton Hiers, Bala-Cynwyd, Pa., assignor to Collins & Aikman Corporation, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application March 29, 1941, Serial No. 385,859
4 Claims. (Cl. 260—765)

1. A rubber cement including a dispersing medium having dispersed therein approximately 100 parts by weight of a hard abrasive mineral filler as by milling, the particle size of said hard abrasive mineral filler being less than one micron and the filler being any one of the group consisting of calcium carbonate, calcium silicate and hydrated aluminum oxide and about 10 parts by weight of a tough thermoplastic resin-like derivative of rubber comprising the reaction product of crude rubber and a phenol in the presence of an acid catalyst.

2,364,848
FOG NOZZLE
Gordon F. Hurst, San Jose, Calif.
Application January 19, 1944, Serial No. 518,899
7 Claims. (Cl. 299—144)

1. A fog nozzle comprising a hollow body provided with a passageway therein opening outwardly from said body at one end thereof for providing an inlet for water, a pair of rotary members in side by side relation supported in said body for rotation about parallel axes, each of said members being formed with a through bore extending transversely of its axis, one of the ends of each of said bores being in communication with the said passageway, the opposite ends of said bores opening outwardly from said body, means connecting said members for simultaneous rotation in opposite directions about their axes, and



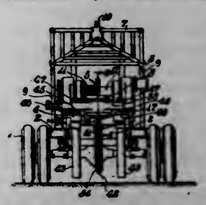
their said bores being positioned for intersection of their axes at points equally spaced from said parallel axes at various distances outwardly from said body upon said rotation of said members.

2,364,849
PROCESS OF MAKING FISHING RODS
Edward D. Ibbotson and Eugene Schmidt, Utica, N. Y., assignors to Horrocks-Ibbotson Co., Utica, N. Y., a corporation of New York
Application July 16, 1943, Serial No. 495,018
5 Claims. (Cl. 144—309)



1. The process of making a built-up fish rod which consists of cutting wood into thin slabs in line with the grain, coating one wide face of these slabs with a resinous material thereby making a hard outside surface and strengthening the fibers of the wood, cutting said slabs lengthwise into smaller strips, each having a part of said hardened outside surface, shaping each smaller strip to be tapered lengthwise while still retaining its hardened outside surface and beveling the other faces of said strip so that the proper number of tapered and beveled strips will fit closely together at radiating joints to form a solid body and finally cementing the beveled surfaces of the adjacent strips of a set thereof together.

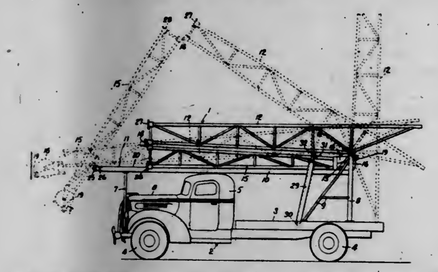
2,364,850
ROTARY DRILLING APPARATUS
Harry C. Johansen, Michigan City, Ind., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application December 1, 1941, Serial No. 421,123
8 Claims. (Cl. 255—22)



1. In a drilling apparatus, a portable base adapted to travel over a ground surface, fluid operated drill feeding mechanism on said base including cooperating relatively reciprocable, relatively upright, feed cylinder and piston elements, means associated with one of said elements for holding the same during normal drilling operations in a relatively upright position on said base

with its lower end near the ground level, means for holding the other of said elements at will in a relatively elevated upright position and against downward movement, and means for supplying fluid to said elements selectively to effect downward movement of said last mentioned element to effect drill feeding when the first mentioned element is held stationary or to effect elevation of said first mentioned element to increase the clearance beneath the same when said second mentioned element is so held stationary.

2,364,851
COLLAPSIBLE SUPPORT
Harry C. Johansen, Michigan City, Ind., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application December 26, 1941, Serial No. 424,473
9 Claims. (Cl. 189—15)

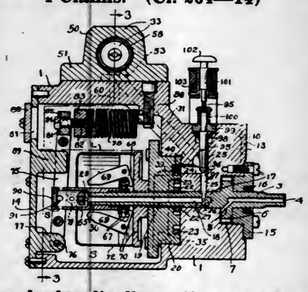


1. An adjustable support comprising a supporting base structure providing a horizontal guideway, foldable, pivotally connected, base and relatively collapsible support sections, said collapsible support section being swingable into folded position with respect to said base section and said base section being disposable in a lowered position with said collapsible support section in folded relation thereto, and said base section being pivotally mounted on said supporting base structure for vertical swinging movement, means for swinging said base section about its pivot relative to said supporting base structure, said collapsible support section engaging and guided by said guideway during swinging of said sections about their respective pivots into and out of folded position, and guiding means on said supporting base structure with which said collapsible support section is engageable as it moves out of engagement with said guideway during swinging of said sections.

2,364,852
PROCESS FOR ISOLATING THE LACTATION-PROMOTING HORMONE
Karl Junkmann, Berlin, and Rudolf Tschesche, Berlin-Wilmersdorf, Germany, assignors to Schering Corporation, Bloomfield, N. J., a corporation of New Jersey
No Drawing. Application March 14, 1941, Serial No. 383,350. In Germany April 10, 1940
3 Claims. (Cl. 167—74)

1. Process for the manufacture of a strongly enriched preparation of the lactation-promoting hormone of the anterior pituitary gland which comprises treating anterior pituitary gland material from which non-lactogenic hormones have been removed, with an aqueous alkaline liquor having a pH of about 9.5–10, the quantity of liquor being about ten times that of the dry gland material by weight, adding about 2.2 kg. of crystalline sodium sulfate for each kilogram of moist gland material, agitating the mixture, separating the extract, and subsequently acidifying the extract to a pH of about 3.9–4.5 to precipitate the lactation-promoting hormone.

2,364,853
GOVERNOR AND POWER TAKE-OFF UNIT
Albert Kalin, Cleveland, Ohio
Application March 2, 1942, Serial No. 433,012
4 Claims. (Cl. 264—14)



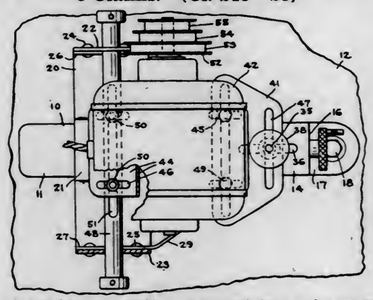
1. In a hydraulically acting speed governor having a casing providing an oil chamber, means establishing a definite oil level in the chamber, a ball head mechanism rotatable on a fixed horizontal axis in a lower part of the chamber, a main governor valve coaxial with the ball head and operated by the ball head mechanism in one direction initiating a governing operation, a coil spring in the casing above the oil level in the chamber for operating the valve in the opposite direction, a lever pivoted to the casing and having portions extending adjacent the axes of the spring and valve respectively and operatively connected to the spring and valve, and means in the casing above said oil level and connected with the spring for adjusting the effective spring strength.

2,364,854
ILLUMINATING FIXTURE
Kaskel P. Kallman, Detroit, Mich., assignor, by mesne assignments, to Technical Service, Incorporated, Detroit, Mich., a corporation of Michigan
Application May 21, 1942, Serial No. 443,933
6 Claims. (Cl. 240—52)



1. In an illuminating fixture, a hollow tubular standard of uniform cross section, an illuminating head having a socket detachably receiving one portion of said standard and a base having a socket detachably receiving another portion of said standard, an illuminating device mounted on said head, an electrical conductor passing through said standard for energizing said illuminating device, detachable connectors interposed in said conductors adjacent said head and base to permit quick and easy removal and assembly of the fixture parts and a supporting stake within said standard projecting through said base adapted to extend into the ground, said stake being adapted to align the tubular standard with the base and prevent separation of said connectors.

2,364,855
MEANS FOR MOUNTING AND SUPPORTING MOTORS
Henry O. Kampstad and Clarence L. Kampstad, Lengby, Minn.
Application December 31, 1941, Serial No. 425,106
5 Claims. (Cl. 248—23)



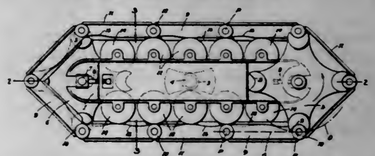
2. A motor mounting comprising a base frame member in the form of an elongated plate said plate being shaped to form a table supported thereby and having a longitudinal slot therein, a motor support having a portion engaging the frame member and another portion adapted to slide along said slot, a motor on said motor support, and means associated with the table for moving the support along the base frame.

2,364,856
REMOTE CONTROL FOR STOP CLOCKS
Eugene J. Lassieur, Flushing, N. Y., assignor to Bulova Watch Company, New York, N. Y., a corporation of New York
Application December 29, 1942, Serial No. 470,478
3 Claims. (Cl. 58—74)



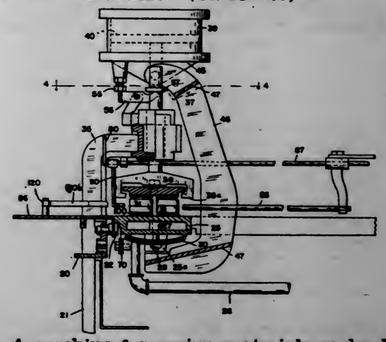
1. In a stop clock having a second hand and a minute hand, mechanism for moving said hands, a master control operating lever for starting, stopping and re-setting said hands, a primary actuating lever, a pivot for said primary lever intermediate the ends thereof, one arm of said primary lever disposed to engage said master lever, a remote control actuating lever engageable with one arm of said primary lever to actuate said master lever and a direct control actuating lever engageable with said primary lever to move said arm away from engagement with said remote control lever to actuate said master lever.

2,364,857
CRAWLER TRACK
James A. Law, Merced, Calif.
Application March 1, 1943, Serial No. 477,517
11 Claims. (Cl. 305—9)



1. An endless track structure including a supporting frame, rotary members turnably mounted on the frame at its ends, an endless track unit extending about and between the members and comprising a plurality of individual links and pivot pins connecting the links at adjacent ends for relative flexing in a vertical plane, the members including elements engaging the links passing about said members adjacent the link pins and moving in circular paths concentric with the axes of rotation of the members, the links being relatively long and each including a longitudinal rail unit projecting radially inward, and means engaging the rails of the links of the lower run of the track to hold the same against upward deflection from a predetermined path; said means and the rails being arranged to cause the link pins to travel along a straight line tangent to the circular paths of the members for the full distance between the points of tangency and supporting a link during a predetermined portion of its upward movement about one of the members after the relatively leading end of such link has been engaged by an element of said one member at the lowest point of its movement along its circular path.

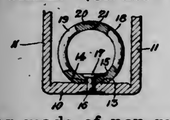
2,364,858
CURING MACHINE
Roger K. Lee, Highland Park, Mich., assignor to Kenlee Corporation, Highland Park, Mich., a corporation of Michigan
Application December 21, 1939, Serial No. 310,412
9 Claims. (Cl. 18—20)



4. A machine for curing materials under heat and pressure comprising a frame, an annular

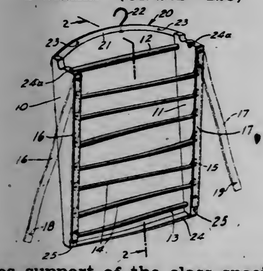
table rotatably mounted upon said frame and provided with a row of clamping devices each including a compression spring acting against the underside of said table, a loading station for the machine including an upward extension of said frame carrying a bearing the axis of which is vertical and in alignment with said row of clamping devices, a slidable shaft in said bearing, said shaft carrying at its upper end a piston and at its lower end means adapted to cooperate with said clamping devices to exert either pressure or a lifting effect thereon and thereby effect the compression of said spring, a working cylinder fitting said piston, and a C-clamp attached to said cylinder and extending to beneath said table the lower arm of said C-clamp being in alignment with said shaft and adapted to contact the underside of said table and absorb reaction forces when said shaft is moved downwardly to exert pressure on said clamping devices.

2,364,859
LOOSE-LEAF BINDER
Leo Lichtenstein, Chicago, Ill.
Application July 1, 1943, Serial No. 493,045
1 Claim. (Cl. 129—1)



A binder ring made of non-metallic, resilient material comprising a circular base portion, a pair of arcuate arms extending upwardly from said base portion and joined at diametrically opposite points to the peripheral edge of said base portion, said arms having their free ends normally in overlapped transversely spaced relation, a socket on the free end of one of said arms, said socket being adapted to receive the end of the other arm when the free ends of the arms are spread apart and urged into alignment laterally so that the inherent resiliency of the arms tends to hold the free ends in tight abutment, and serrations on the bottom face of said base, said base having an axial opening for receiving a rivet therethrough by means of which the binder ring is fastened to a binder in such manner that the serrations will engage in the binder to prevent rotation of the binder ring.

2,364,860
CLOTHES SUPPORT
Burt E. Lloyd, Milford, Pa.
Application October 2, 1942, Serial No. 460,471
1 Claim. (Cl. 211—123)



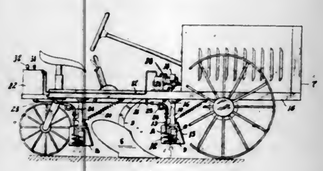
A clothes support of the class specified, comprising upright sides, means rigidly connecting the sides in spaced relation, independently-movable normally-horizontal trousers supports extending between said upright sides, means for supporting said trousers-supports on said sides and preventing longitudinal movement of said trousers supports including for one end of each trousers-support a socket in the corresponding upright side and having a closed outer end, an upper entrance to admit the end of the trousers support and a downwardly and rearwardly inclined portion into which the end of the trousers support drops and means for locking such ends in their sockets comprising a holding member pivoted at its upper end to the upright side, for swinging movement substantially in the plane of the front edge of the side to and from a position over the entrances of said sockets where it acts to hold the rod ends in their sockets.

2,364,861
STRINGED MUSICAL INSTRUMENT
John W. McBride, Burbank, Calif.
Application July 11, 1942, Serial No. 450,515
18 Claims. (Cl. 84—1.15)



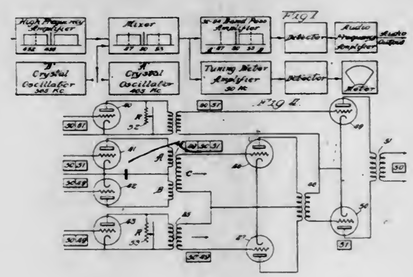
1. In a stringed instrument, a rotatable rod having a plurality of helical-like crests, and a string with which the crests cooperate for simultaneously stopping the string at a plurality of points.

2,364,862
WEED DESTROYING ATTACHMENT FOR PLOWS
Henry James McLary, Orangeville, Ontario, Canada
Application June 23, 1943, Serial No. 491,879
In Canada May 11, 1943
1 Claim. (Cl. 126—271.2)



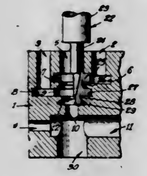
A burner of the class described comprising a wheeled frame, a depending arm pivoted at its upper end to said frame for swinging rearwardly thereof, said arm formed with a part extending forwardly of its pivotal axis for engaging said frame to constitute a stop shoulder for limiting forward swing of the arm, a helical tension spring having one end connected to said arm at a point removed from said pivotal axis and the other end connected to said frame forwardly of said axis so as to yieldably retain said arm in its depending position, a nozzle carried by the lower end of said arm and terminating in a downwardly directed tip, a preheating coil encircling said nozzle and having one end connected thereto and the other end upwardly directed rearwardly of said arm and rigidly attached thereto for connection with a source of fuel supply, and a shield disposed about the nozzle and said coil and rigid with said arm.

2,364,863
HETERODYNE ELIMINATOR
James L. A. McLaughlin, Detroit, Mich.
Application August 14, 1941, Serial No. 406,883
11 Claims. (Cl. 250—20)



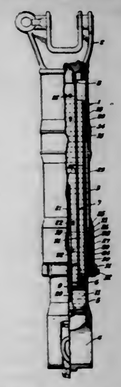
1. Apparatus of the character described, including: means for providing a desired signal having sidebands associated therewith; an intermediate frequency band pass filter circuit adapted to pass one of said sidebands and exclude the other; two oscillators, one having a frequency equal to that of the desired signal plus the intermediate frequency and the other having a frequency equal to that of the desired signal less the intermediate frequency; and means for selectively causing one or the other of said oscillators to heterodyne with the desired signal to select which of said sidebands is to be passed by the filter circuit.

2,364,864
METHOD OF MANUFACTURING VALVE BODIES
Otis C. Martin, Los Angeles, Calif.
Application April 20, 1940, Serial No. 330,752
1 Claim. (Cl. 29—157.1)



The method of manufacturing a valve body having a valve chamber bore therein communicating at spaced points with different ones of a pair of fluid port bores disposed parallel to said valve chamber bore which consists in drilling parallel pilot bores in said body from one face thereof at the desired location of said fluid port bores, inserting in said pilot bores a boring tool having a cutting element thereon and employing said tool to cut enlargements of said pilot bores spaced inwardly different distances therealong, drilling said valve chamber bore in said body from said one face and parallel to said pilot bores, and inserting in said valve chamber bore another boring tool having cutting elements spaced longitudinally of each other and employing said other boring tool to enlarge said valve chamber bore at spaced points sufficiently to intersect the enlargements cut in said pilot bores.

2,364,865
SHOCK ABSORBING STRUT
Harold W. Mattingly, Los Angeles, Calif., assignor to Axelson Manufacturing Co., Los Angeles, Calif., a corporation of California
Application October 7, 1941, Serial No. 413,967
5 Claims. (Cl. 267—64)



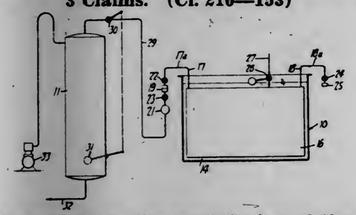
1. In a shock strut, a pair of telescoping cylinders annularly spaced from each other to define a chamber therebetween, a port extending through one of said cylinders and communicating with said chamber, a valve sleeve slidably mounted on said one cylinder for sliding movement between one position free of said port and another position covering said port, a fixed sleeve on said cylinder having one of its edges disposed toward the valve sleeve to comprise an abutment against which said valve sleeve may strike when in its port covering position, and a notch in said edge of said sleeve adapted to expose said port when said fixed sleeve is disposed with said edge in a plane intersecting the effective area of the port whereby said valve sleeve will engage the projecting edge of the fixed sleeve when the port is but partially covered by said valve sleeve to limit the extent of the partial closing off of said port by said valve sleeve.

2,364,866
NIPPLE SHIELD
Maurice J. Meynier, Jr., Houston, Tex.
Application July 2, 1941, Serial No. 400,788
8 Claims. (Cl. 128—150)



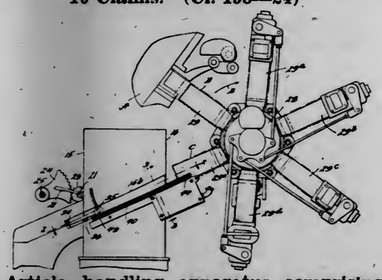
6. A nipple shield having a body, a nipple thereon of a minimum size which simulates the size of the normal teat, and a neck comprising a thickened wall area joining such nipple to the body so as to protect the teat by preventing collapse of the nipple adjacent the end of the teat.

2,364,867
CYANIDATION METHOD AND APPARATUS
Louis D. Mills and Thomas B. Crowe, Palo Alto, and Raymond E. Byler, Stanford University, Calif., assignors to The Merrill Company, San Francisco, Calif., a corporation of California
Application July 30, 1940, Serial No. 348,378
3 Claims. (Cl. 210—153)



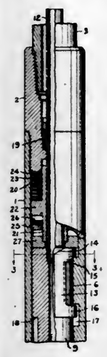
1. A method for the conditioning of the individual filter leaves of a vacuum filter employed for the clarification of cyanide solution, where during a normal filtering period the leaves are connected to a common effluent line to deliver filtrate to an evacuated deaerating receiver, the steps of disconnecting an individual filter leaf from the effluent line and lifting the same from the filter tank, removing accumulated slime from the leaf, introducing the leaf into a separate precoat container in which there is cyanide solution together with a filter aid in suspension, applying suction to both of the two laterally spaced ends of the leaf for a period of time sufficient to cause the filter aid to coat the filter membrane, discontinuing application of suction to one end of the leaf and then transferring the leaf back to the main filter tank while application of suction is continued to the other end of the leaf until the effluent attains proper clarity, and then reestablishing communication between the one end of the leaf and the common effluent line and interrupting application of suction to said other end of the filter leaf.

2,364,868
ARTICLE HANDLING MECHANISM
Charles Z. Monroe, Detroit, Mich., assignor to The American Paper Bottle Company, Toledo, Ohio, a corporation of Ohio
Application December 22, 1941, Serial No. 424,039
10 Claims. (Cl. 198—24)



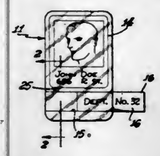
1. Article handling apparatus comprising a conveyor having article transporting members each of which has aligned article receiving and article discharge apertures, an article pusher, an article feeder, and means for actuating said pusher and feeder in synchronism with the movements of the conveyor, whereby the pusher is moved to engage and eject an article from one of said members and the feeder is immediately thereafter caused to place another such article within the said member.

2,364,869
JAR
Fred N. Osmun, Houston, Tex.
Application February 13, 1942, Serial No. 430,747
2 Claims. (Cl. 255—27)



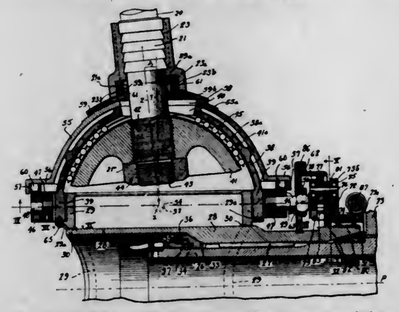
1. A releasable jarring tool comprising a mandrel, a housing around the mandrel, a release member within the housing, ribs on the mandrel and housing, locking lugs on the release member, the ribs and lugs having inclined faces, the mandrel ribs and locking lugs having contacting axial faces, said faces being arranged to allow the ribs to interlock with each other and with the lugs, the inclined faces being effective to cause relative movement of the parts toward released position, when the tool is under tension, and the axial faces simultaneously acting to temporarily resist said relative movement, said axial faces being arranged to finally disengage to unlock the ribs, and a hydraulic timing device for resisting movement of the release member to temporarily resist unlocking of the ribs and lugs.

2,364,870
METHOD OF PRODUCING LAMINATED PLASTIC ARTICLES
Edgar W. Otto, Los Angeles, Calif., assignor to Western Lithograph Company, a corporation of California
Application January 2, 1943, Serial No. 471,092
4 Claims. (Cl. 18—59)



1. In the method of producing a laminated plastic article with a recess or slot therein, the steps of superposing one sheet of plactic on another with a relatively non-plastic member therebetween, said non-plastic member preventing contact of said plastic sheets over a portion of their areas; subjecting the sheets to heat and pressure to unite them about said non-plastic member; cooling said sheets while maintaining them under pressure; subsequently removing said non-plastic member to leave a recess in the article; and subjecting one of said plastic sheets to heat and pressure in the region of said recess to deform the wall of said recess inwardly.

2,364,871
PROPELLER CONSTRUCTION FOR AIRCRAFT OR THE LIKE
Hans Reissner, Chicago, Ill.
Application February 26, 1942, Serial No. 432,376
16 Claims. (Cl. 170—162)



1. A variable pitch propeller comprising a blade mounting structure associated with the root of the propeller blade to secure the blade on the propeller shaft, a blade locating member, a gimbal system composed of a freely swivelling ring and a fixable ring adapted to support the said blade locating member on said mounting structure for rotary movement about the radial axis of the freely swivelling ring and for universal adjustment relative to the propeller shaft, means associated with said gimbal system to position the blade locating member at a predeterminably fixed angle about the tilting axis of the fixable gimbal ring, means to position the blade root at a predeterminable angle relative to the radial axis of the freely swivelling gimbal ring, means affording a free tilting movement of said blade locating member about the tilting axis of the freely swivelling gimbal ring, an elongated aperture in the blade locating member to receive the root of the blade having a longitudinal median intersecting the radial axis of the freely swivelling gimbal ring, and means to releasably secure the blade on the blade root at a predeterminable angle relative to the long median of said elongated aperture.

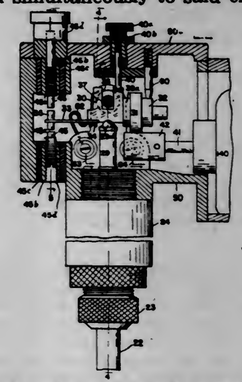
2,364,872
NONMETALLIC CLING EAR ORNAMENT
Cheri Rich, New York, N. Y.
Application January 6, 1943, Serial No. 471,408
4 Claims. (Cl. 63—12)



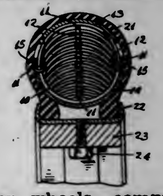
1. A non-metallic ear ornament, comprising an ornament body having a fastening element on its back, and adhesive tape engaging said fastening element and adapted to be adhered upon one's ear, said ornament body being hollow at its back.

2,364,873
CONTROL DEVICE FOR DUPLICATING MACHINES
Oscar E. Rosen, Detroit, Mich.
Application December 14, 1938, Serial No. 245,710
5 Claims. (Cl. 90—13.5)

5. In combination with a cutting machine including tracer controlled means for feeding the cutter and work relatively to and from each other, means for feeding the work and cutter relatively past each other, a clutch for the latter feeding means, and electric control means for said clutch, a tracer unit including means for making and breaking circuits to the first-mentioned feeding means and simultaneously to said clutch control means, said make and break means comprising an oscillatable element in said tracer and carrying a pair of contacts and motor means for oscillating said element.



2,364,874
SPRING TIRE FOR VEHICLES
Max Saldin, Brooklyn, N. Y.
Application August 26, 1943, Serial No. 500,037
3 Claims. (Cl. 152—261)

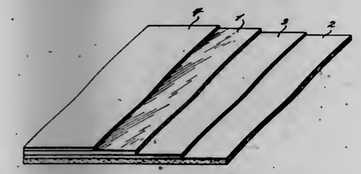


1. A tire for wheels, comprising a closely wound helical spring coiled into annular form, a plurality of rings within said spring and extending around said annular form, wire lacing connecting the turns of said spring and said rings together, a concaved outer strip of stiff flexible material extending around the outer diameter of said spring, a concaved inner strip of stiff flexible material extending around the inner diameter of said spring, wire laces connecting adjacent edges of said concaved strips together, and a flexible casing engaging over said strips, said strips of flexible materials having lugs along their edges through which said wire lacings pass.

2,364,875
PRESSURE SEALING MEMBRANE
Gustave Schieman, Bronx, N. Y., assignor to International Plastic Corporation, Chicago, Ill., a corporation of Illinois
Application December 6, 1941, Serial No. 421,927
4 Claims. (Cl. 117—68.5)

3. A composite pressure-sensitive adhesive sheet structure adapted to be packaged in superimposed layer form, comprising a flexible backing, a coating of normally tacky pressure-sensitive adhesive on one side of said backing and a coating of material repellent to said adhesive on the opposite side of said backing, said adhesive and repellent being of a character to

avoid cementitious union of the repellent and adhesive coatings when said coatings are maintained in direct contact over long periods of time in packaged form and thereby permit the sheets to be readily separated, said repellent comprising organic material having binding and detergent



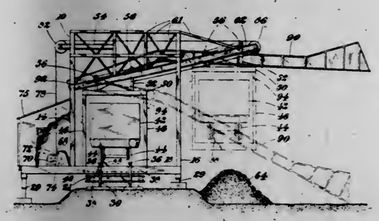
properties, said detergent being a member of a group consisting of soluble soaps, salts of the alkyl sulphonamides of fatty acids, alkali salts of the acid esters of the higher alcohols, dialkyl ester of sulfonated dicarboxylic acid, triethanolamine oleate, which material is incompatible with the ingredients of said adhesive coating.

2,364,876

APPARATUS FOR UNLOADING WHEELED VEHICLES OF THE BOTTOM-DISCHARGE TYPE

Herbert Frederick Henry Shields, London, England

Application June 10, 1943, Serial No. 490,340
In Great Britain April 21, 1942
2 Claims. (Cl. 214—44)



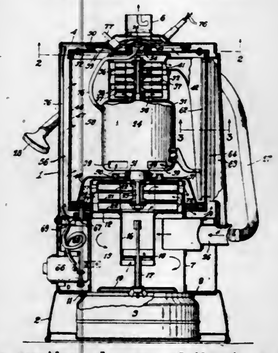
1. Apparatus for unloading wheeled vehicles of the bottom-discharge type, comprising in combination a main frame that is arranged to travel along a ground track, a portable cage situated thereon above the ground track, an upper track that has end portions constituting ramps that slope downwards to rails on the ground track, which upper track has a middle portion carried by the cage for supporting a loaded wheeled vehicle therein, lifting means that is mounted on the main frame and is arranged to lift the cage with the loaded vehicle therein bodily and place it at a situation vertically above a position at the side of the ground track, at which a pile of fragmentary material is to be formed by emptying the loaded vehicle, which lifting means comprises a runway that extends outboard upwards from a situation vertically above the middle portion of the upper track, a pulley on the outer end of the runway, and suspension means for carrying the cage arranged to travel along the runway, and power-driven means that is arranged to operate the lifting means and comprises a winch supported on the main frame, and a rope that passes around said pulley and has one end attached to the winch and its other end operatively connected to the suspension means.

2,364,877

SUCTION CLEANER

Donald G. Smellie, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio

Application November 11, 1943, Serial No. 509,876
5 Claims. (Cl. 183—57)



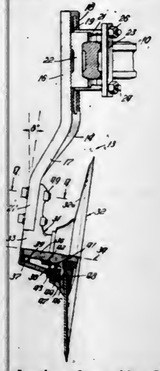
4. In a suction cleaner of the type having an initial dirt separator, suction-creating means to draw air through said initial separator, and a final dirt separator including a rotatable cylindrical filter to receive air from said suction-creating means and to remove therefrom any foreign material therein which has passed through said initial separator; pressure-creating means connected to a source of clean air to increase the pressure thereon, a nozzle connected to said pressure-creating means to direct air under pressure through the wall of said cylindrical filter from the clean side thereof, a second nozzle upon the dirt-collecting side of said filter connected to said initial separator to convey dislodged foreign material thereto, said nozzles being apposed, and means to rotate said cylindrical filter past said nozzles.

2,364,878

PLOWING DEVICE

Otto Storz, Valparaiso, Ind., assignor to McGill Manufacturing Company, Valparaiso, Ind., a corporation of Indiana

Application March 30, 1942, Serial No. 436,777
3 Claims. (Cl. 97—211)



1. In a plowing device for attachment to a plow beam, comprising a dish-shaped colter disc having radiating portions extending straight away from the center of the disc to the cutting edge

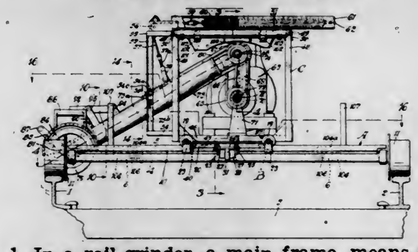
thereof, supporting means for supporting said disc from said beam with the portion of the disc which connects the center of the disc with the lowermost point of said cutting edge being substantially vertical, and means included in said supporting means for adjustably pivoting said disc to change the cutting angle thereof and for maintaining the substantially vertical relationship for said portion of said disc regardless of the cutting angle imparted to said disc, said last-named means including a pair of relatively adjustable members provided with curved portions having mating serrations which extend longitudinally in upright positions and at an angle relative to the vertical to permit adjustment of the cutting angle of said disc without altering the substantially vertical relationship for said portion of said disc.

2,364,879

RAIL GRINDER

Henry H. Talboys and Helmer E. Erickson, Milwaukee, Wis., assignors to Nordberg Manufacturing Co., Milwaukee, Wis., a corporation of Wisconsin

Application January 7, 1942, Serial No. 425,845
28 Claims. (Cl. 51—178)



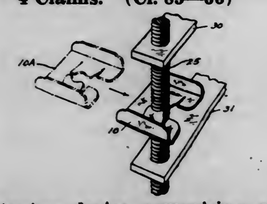
1. In a rail grinder, a main frame, means for movably supporting it on the rails of a track, a sub-frame, means for movably supporting it on the main frame for movement transversely of the track, a turntable on the sub-frame, an arm on said turntable mounted for oscillation in a generally vertical plane, a grinding member on said arm, means for rotating it, and means for supporting the inner end of said arm, including a pivoted link upwardly extending from the turntable, the inner end of the arm being pivoted to the upper end of the link.

2,364,880

FASTENING DEVICE

George A. Tinnerman, Cleveland, Ohio, assignor to Tinnerman Products, Inc., Cleveland, Ohio, a corporation of Ohio

Application December 18, 1943, Serial No. 514,791
4 Claims. (Cl. 85—36)



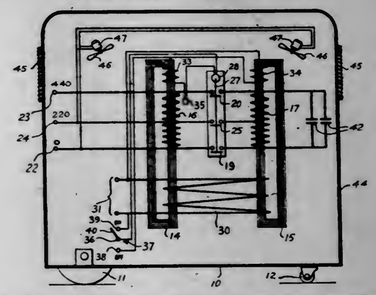
1. A fastening device comprising a strip of sheet metal having an aperture therein and having a pair of tongues deformed therefrom in opposition to each other and having the ends thereof shaped to conform to the helix of a thread on a fastening member that is adapted to extend through said aperture, said tongues and strip having laterally extending openings in alignment with the aperture for enabling the device to be applied to a threaded member by sidewise movement of the device with respect to the member.

2,364,881

WELDING TRANSFORMER

Joseph M. Tyrner, Englewood, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York

Application September 10, 1942, Serial No. 457,897
9 Claims. (Cl. 171—119)



1. An arc welding device including transformer apparatus comprising two primary windings connected in parallel, a switch through which one of the primary windings is connected with the other, a secondary circuit for supplying welding current, and automatic control means responsive to the flow of current in the secondary circuit for operating the switch.

2,364,882

METHOD FOR PURIFYING AQUEOUS ALKALI METAL HYDROXIDES

Gardner W. Vose, Painesville, Ohio, assignor to Diamond Alkali Company, Pittsburgh, Pa., a corporation of Delaware

No Drawing. Application June 4, 1943, Serial No. 489,718
8 Claims. (Cl. 23—184)

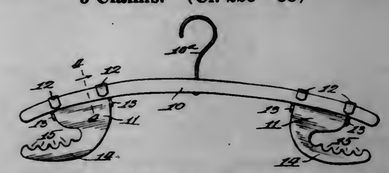
3. The process of purifying aqueous alkali metal hydroxide which comprises the steps of adding to such hydroxide such a quantity of a 1% to 10% nickel salt solution as will contain an amount of the nickel salt equivalent to between .1% and .5% of the hydroxide, stagnating the mixture, and then separating substantially all insolubles from said hydroxide.

2,364,883

GARMENT HANGER

Albert G. Wahl, Los Angeles, Calif.

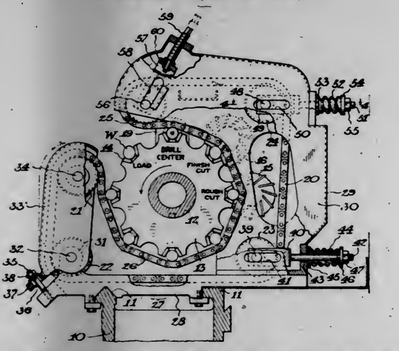
Application February 25, 1944, Serial No. 523,819
5 Claims. (Cl. 223—88)



1. In a garment hanger, a garment suspension member comprising a plate, a pair of hooks projecting laterally from the upper edge of said

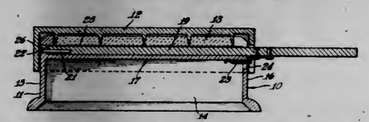
plate, ears projecting laterally from the ends of said plate below said hooks and a finger projecting from the lower portion of said plate outwardly in the same vertical plane therewith.

2,364,884
WORK CLAMPING MEANS FOR MACHINE TOOLS
William H. Weimer, North Prairie, Wis., assignor to Davis & Thompson Company, West Allis, Wis., a corporation of Delaware
Application May 28, 1942, Serial No. 444,871
8 Claims. (Cl. 29—26)



1. In a machine tool, the combination, with a movable work carrier for conveying work pieces to successive tooling positions, of a tensioned band for clamping the work pieces on the carrier, and shiftable means for locally releasing a portion of said tensioned band from clamping condition with respect to a work piece in one of its tooling positions while maintaining the tension of said bank.

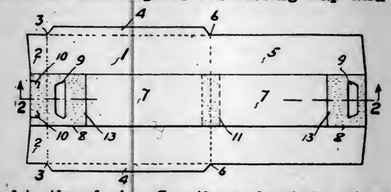
2,364,885
BUTTER CHIP MAKER
Maurice J. Weinberg, New York, N. Y.
Application May 7, 1941, Serial No. 392,373
3 Claims. (Cl. 31—42)



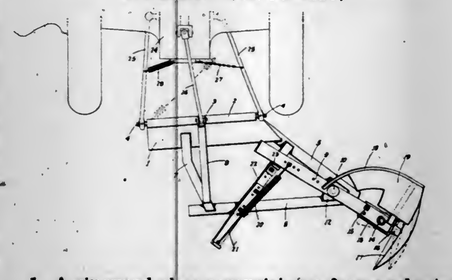
1. A butter chip maker comprising a frame having side and end walls, a head plate recessed below the upper edge of said walls, a strip of paper having an intermediate portion of its marginal edges cut out to expose a portion of the head plate held in appressed relation on said head plate, said strip of paper adapted to be lifted from said head plate for detaching the formed butter chips therefrom, and means removably associated with said frame adapted to engage the surface of said butter for forming an impression thereon.

2,364,886
PAPER BAG
Howard A. Wolf, Philadelphia, Pa., assignor to Louis Wolf, Elias Wolf, Howard A. Wolf, and Walter L. Wolf, copartners doing business as Wolf Brothers, Philadelphia, Pa.
Application June 23, 1942, Serial No. 448,077
2 Claims. (Cl. 229—54)

1. A paper carry bag comprising front and back walls, a closure flap formed by an extension of one of the walls, aligning apertures in the walls adjacent the open end of the bag, and a strip of material of greater strength than that of the material of the bag walls and of greater width than said aligning apertures extending continuously within the bag adjacent the walls thereof and to the free edge of the closing flap and secured to the closing flap throughout its extension with relation thereto and to the walls of the bag respectively in zones adjacent the open end of the bag, the said strip being free of the walls of the bag in its extension to a point adjacent the bottom of the bag and having openings aligning with the openings in the walls of the bag.



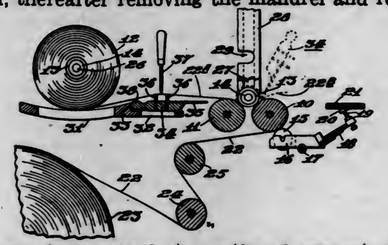
2,364,887
PLOW
Robert J. Wray, Modesto, Calif.
Application May 5, 1943, Serial No. 485,742
9 Claims. (Cl. 97—137)



1. A vineyard plow comprising a frame adapted for movement along the ground in a substantially straight draft line, a plow beam mounted on the frame for swinging movement in a substantially horizontal plane and projecting beyond the rear end and one side thereof, said beam being disposed in rearwardly diverging relation to said draft line, a plow element supported from the beam adjacent its rear end and disposed in forwardly diverging relation to said line, means acting on the beam to resist swinging movement thereof in a direction to shift the rear end thereof transversely and toward the opposite side of the frame and means to alter the normal angle of divergence of the plow beam whereby to alter the angle of the plow element relative to the line of draft.

2,364,888
WEB SLITTING MEANS AND METHOD
John A. Aycock, Rock Hill, S. C., assignor to Rock Hill Printing & Finishing Company, a corporation of Delaware
Application January 23, 1943, Serial No. 473,314
7 Claims. (Cl. 242—56)

1. The method of doffing, intact, a plurality of reels as assembled and grouped on a common winding mandrel and each containing a like length of strip material as cut and wound thereon in a slitting machine, comprising the moving of the mandrel and reels thereon, as a whole, laterally from the place of winding and onto a remote support and at the same time unwinding from the reels like lengths of the strips of material, laying the so unwound strips parallel on an intermediate support during such transfer movement of the mandrel and reels, temporarily holding the strips from both lengthwise and transverse movement on said intermediate support, transversely severing the several strips while so held, thereafter removing the mandrel and reels



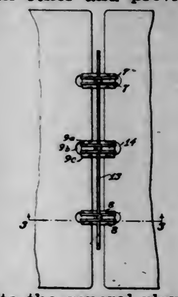
thereon from said first mentioned support, and then lifting and manipulating said intermediate support with the strip portions remaining thereon and utilizing a portion of the support to wrap the carried strip portions about a new mandrel with reel cores sleeved thereon and forcing the still loose strip portions simultaneously into intimate engagement with the winding means so as to start winding of new reels of material.

2,364,889
LUMINOUS DISCHARGE LAMP ESPECIALLY FOR PHOTOGRAPHIC ENLARGERS AND PROJECTORS
Lyman C. Blair, Houston, Tex.
Application December 10, 1940, Serial No. 369,487
2 Claims. (Cl. 176—122)

1. In a gaseous discharge type lamp for providing uniform illumination over a substantial area, a hermetically sealed container having a translucent wall of substantial area; elongated mutually independent and electrically parallel electrode means mounted within the container respectively adjacent opposite ends of said wall; a gaseous discharge medium within said container; and means for supplying current to said electrode means thereby to promote a ribbon-like luminous positive column discharge between said electrode means and generally paralleling said wall and effective to provide uniform illumination through said wall, at least one said electrode means comprising a plurality of serially aligned individual electrode portions.

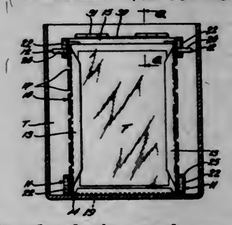
2,364,890
LOOSE-LEAF BINDER
Clyde T. Cadwallader, Kenmore, N. Y., assignor to Dorothy Cadwallader, Kenmore, N. Y.
Application October 14, 1943, Serial No. 506,183
3 Claims. (Cl. 129—24)

2. In a ring binding construction for a pair of covers and a stack of sheets, a plurality of groups of three congrous frame plates, each plate provided with two holes and a slot, the frame plates retained in alignment by an alignment brace provided with spaced notches into which the frame plates are adapted to fit in groups of three at their respective slots, a plurality of pairs of inwardly curved wire loops in detachable engagement with each other and provided with arms



perpendicular to the general planes of the rings formed by the wire loops and on which arms they are journaled in the frame plates through the holes heretofore mentioned so that the center frame plate is positioned between the prongs of a pair of wire loops and the other two frame plates are on either side thereof and in frictional engagement with the adjacent prongs of the pair of wire loops.

2,364,891
FILM RACK
Ellis W. Cooper, Los Angeles, Calif., assignor of one-half to Ellis S. Cooper, Los Angeles, Calif.
Application December 18, 1940, Serial No. 370,586
8 Claims. (Cl. 95—100)

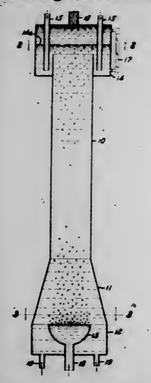


1. A film developing rack comprising a plurality of holders, each holder having means for removably supporting a film, hinge means connecting adjacent edges of the holders to form an articulated assembly capable of extension to bring the holders in line in edge to edge relation and capable of contraction to bring the holders in adjacent side by side relation, and means for preventing upward displacement of the films from the holders when the assembly is in the contracted condition comprising a part projecting from the rear face of each holder to extend over the film receiving portion of an adjacent holder when the holders are in the side by side relation.

2,364,892,
EXTRACTION COLUMN
Joseph C. Elgin, Princeton, N. J., assignor to Research Corporation, New York, N. Y., a corporation of New York
Application April 9, 1942, Serial No. 438,341
6 Claims. (Cl. 23—310)

1. Method of liquid-liquid extraction which comprises establishing a zone of contact between

a vertically-flowing continuous liquid stream and a discontinuous liquid stream counter-current thereto, withdrawing the continuous liquid stream from said zone of contact through a zone of gradually increasing cross-section, and introducing the discontinuous liquid stream into said zone of gradually increasing cross-section at a level where the cross-sectional area left free for the passage of the continuous liquid stream is at least as great as the cross-sectional area of said zone of contact.

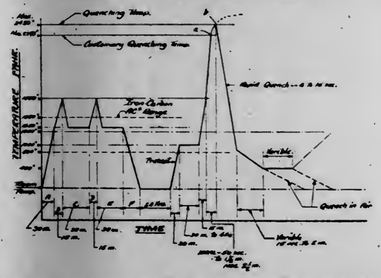


2,364,893

PROCESS FOR HEAT TREATING STEEL

Frederick A. Endress, Detroit, Mich., assignor, by mesne assignments, to Tuff-Hard Corporation, Detroit, Mich., a corporation of Michigan

Application December 18, 1940, Serial No. 370,577
29 Claims. (Cl. 148—21.55)



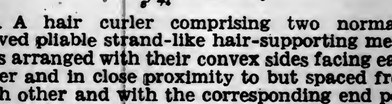
1. A process for heat treating high speed tool steel having a secondary hardness range upon drawing, comprising preheating said steel first to a temperature of at least 1000° Fahr. and less than the temperature of the iron-carbon critical (AC^3) range in a minimum time of about 30 minutes, then soaking the steel substantially at this temperature for a period of time varying from a minimum of about 30 minutes to a maximum of approximately 4 hours, next slowly raising the temperature of the steel through the iron-carbon critical (AC^3) range to a temperature of approximately 1550° in a minimum time of about 15 minutes, then very rapidly raising the temperature of the steel being treated to a quenching temperature of approximately 2150° Fahr. to 2450° Fahr. within preferably a time interval of about 50 seconds to 1½ minutes and not exceeding a maximum of 2½ minutes, rapidly quenching the heated steel to approximately 900° Fahr. within 5 to 15 seconds, then further quenching the steel to a temperature of approximately 400° Fahr. within a time interval varying from 15 seconds to 2 minutes, soaking the steel at this temperature of approximately 400° Fahr. for a time sufficient to permit penetration of heat substantially uniformly throughout the section and prior to further processing of the steel, subjecting the steel to a plurality of timed drawing heats comprising the initial heating of the steel to approximately a temperature of 525° Fahr. in a minimum of about 15 minutes, soaking the steel at this temperature for a period of time varying from about 5 minutes to 30 minutes, quenching the steel to the starting temperature and at least to about 400° Fahr., heating same to a second drawing heat of about 975° Fahr. to 1125° Fahr. in a minimum time of about 45 minutes, soaking the steel at this temperature for about 10 minutes to 2 hours, and air quenching same substantially to room temperature.

2,364,894

LUBRICATING APPARATUS

Edgar L. Finch, Glendale, Calif., assignor to B. F. B. Engineers, Incorporated, a corporation of California

Application June 25, 1943, Serial No. 492,209
3 Claims. (Cl. 184—55)



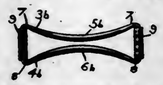
1. A lubricator comprising an elongated, hollow member having a bore therethrough and a lubricant container in said bore and comprising a pair of hollow telescopic members adapted to readily slide one upon the other and adapted to contain a lubricant, said lubricant container being free for movement in said bore, and means adapted to connect the lubricator to an air passageway of a pneumatic tool to be lubricated so that an increase of air pressure in the bore will cause said telescopic members to move together to thereby discharge lubricant between the overlapping ends of the telescopic members.

2,364,895

HAIR CURLER

Max Frankel, Brookline, and Israel Zatsky, Boston, Mass., assignors to Frankel & Smith, Inc., Boston, Mass., a corporation of Massachusetts

Application December 7, 1943, Serial No. 513,216
4 Claims. (Cl. 132—43)



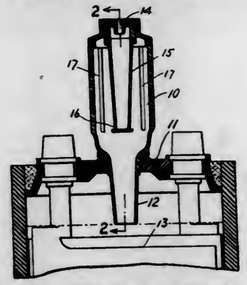
4. A hair curler comprising two normally curved pliable strand-like hair-supporting members arranged with their convex sides facing each other and in close proximity to but spaced from each other and with the corresponding end portions of said members relatively widely separated, a combined spacing and handle member at each end of the curler, said spacing and handle members having openings through which the end portions of the strand-like hair-supporting members are threaded, said spacing and handle members normally maintaining the corresponding ends of the hair-supporting members in their widely separated relation and also providing relatively rigid handle portions by which the curler may be manipulated.

2,364,896

ELECTRIC ACCUMULATOR

Robin Gray, Clifton Junction, near Manchester, England, assignor to The Electric Storage Battery Company, Philadelphia, Pa., a corporation of New Jersey

Application December 2, 1942, Serial No. 467,585
In Great Britain August 11, 1941
6 Claims. (Cl. 136—177)



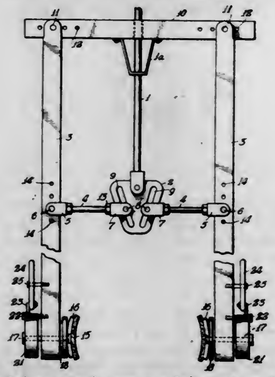
1. Means for preventing escape of electrolyte through the vent aperture of an accumulator cell comprising a chamber wholly external to and above the cover of the cell and having a depending imperforate unrestricted tubular extension projecting through the cover and terminating in the cell above the tops of the plates and substantially below the cover of the cell, and a vent aperture in the top of the external chamber with a depending tube extending downwards from around the vent to a point well down in the chamber but above the upper end of said tubular extension said tube provided at its lower end with a single orifice opening into said chamber, said orifice of restricted area compared to that of the bore of said tube, the space provided for trapped liquid in the chamber between the depending tube and the chamber wall being sufficient to hold all the liquid which can escape from the inverted cell via said tubular extension, after said cell has been filled with liquid to the normal level.

2,364,897

HOIST GRAPPLE

William M. Grigsby, Richmond, Va.

Application July 17, 1944, Serial No. 545,282
8 Claims. (Cl. 294—115)



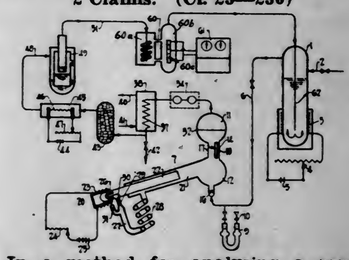
1. A hoist grapple comprising a pair of pivotable jaws, a hoist line, a coupling having a pair of upwardly diverging guides formed thereon suspended from said hoist line, a pair of links pivoted at their outer ends to said jaws and at their inner ends to said guides whereby to pivot said jaws upon vertical movement of said coupling.

2,364,898

ANALYSIS METHOD FOR GEOCHEMICAL EXPLORATION

Gerald L. Hassler, Berkeley, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application September 21, 1940, Serial No. 357,721
2 Claims. (Cl. 23—230)



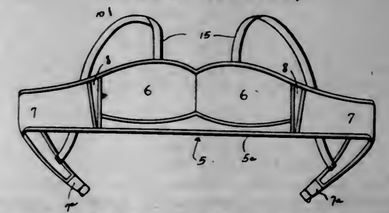
1. In a method for analyzing a sample of formation water for the presence therein of extremely small quantities of hydrocarbons, the steps of confining said sample in a closed reservoir partially filled therewith, continuously withdrawing the gaseous phase from the space above the liquid level in said reservoir, passing said gaseous phase through a closed circulatory system while converting the hydrocarbons in said gaseous phase to carbon dioxide by combustion, removing the carbon dioxide from said gaseous phase by passage through an electrolyte capable of reacting therewith to form a carbonate, and determining the amount of the carbon dioxide reacted with said electrolyte by indicating the change in the specific conductivity of said electrolyte, continuously returning the gaseous phase freed from its hydrocarbon content to said reservoir, passing said gaseous phase through the liquid in said reservoir, whereby further hydrocarbons contained in said liquid are caused to pass to said gaseous phase, and continuing the recirculation of said gaseous phase until a complete conversion of said hydrocarbons to carbonates is effected and indicated by the steady value reached by the conductivity of said electrolyte.

2,364,899

BRASSIÈRE

Mabel H. Hatton, Beverly Hills, Calif.

Application April 17, 1944, Serial No. 531,357
2 Claims. (Cl. 2—42)



1. A brassière having a body adapted to cover the breast portion of the wearer's body and having cup portions for receiving the breasts, said body being of such length that its opposite ends terminate adjacent the armpits of the wearer, and means for retaining said body in said breast

covering position, comprising extension strap means carried by each of the opposite ends of the body and extending diagonally downwardly and crosswise of each other from the respective ends of the body to the rear waist portion of the wearer whereby not to cover or constrict the upper back portion of the wearer, shoulder straps attached at their ends to the body and to the respective extension strap means, and means for anchoring the free ends of the extension straps at the waist of the wearer.

2,364,900

ACETONE RESIN COMPOSITIONS AND PROCESS OF MAKING SAME

Frederick A. Hessel, Upper Montclair, and John B. Rust, Verona, N. J., assignors to Ellis-Foster Company, a corporation of New Jersey

No Drawing. Application January 9, 1941, Serial No. 373,798
7 Claims. (Cl. 260—42)

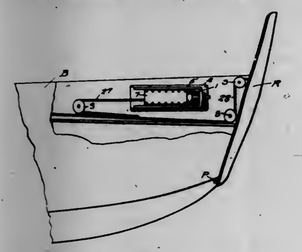
1. A composition comprising a water-soluble formaldehyde-hardenable nitrogenous body selected from the group consisting of melamine and partial condensation products of melamine with formaldehyde and, as a hardener therefor under the influence of heat, a water-soluble acetone resin consisting of the reaction product of 1 mole of acetone with about 6 moles of formaldehyde in the presence of borax as condensing agent, said resin containing the condensing agent.

2,364,901

COUNTERBALANCE

Albertson Hicks, St. Petersburg, Fla., assignor of one-half to John D. Mitchell, Newport, Fla.

Application October 27, 1942, Serial No. 463,528
3 Claims. (Cl. 267—70)



1. Counterbalance for horizontally pivoted members, comprising a base, two multiple sheave pulleys carried by the base, one of said pulleys movable toward and away from the other, spring means forcing said pulleys normally apart, a flexible cord member operatively threaded around the sheaves of said pulleys, and a secondary base member formed with guideways in which the first mentioned base is adapted to slide and means for adjusting the position of said first mentioned base member with respect to said secondary base member.

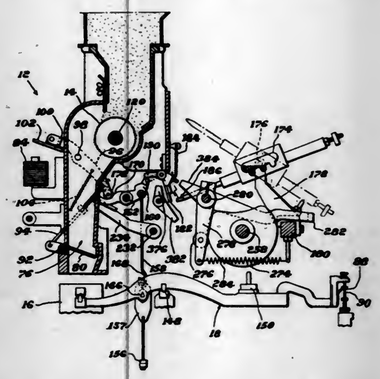
2,364,902

WEIGHING MACHINE

Stanley R. Howard, Milton, Mass., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass., a corporation of Massachusetts

Application July 16, 1940, Serial No. 345,749
18 Claims. (Cl. 249—22)

1. In a weighing machine, in combination, a scale including a scale beam, material feeding means having provision for delivering a bulk stream and a drip stream onto the scale including a pair of independently operated gates, means for counterbalancing the scale beam so that said scale beam will be depressed when a predetermined weight of material has been deposited thereon, control mechanism actuated by one depression of the scale beam to terminate the delivery of the bulk stream and to permit the uninterrupted continuance of delivery of the drip stream, said control mechanism being actuated by a second depression of the scale beam to ter-



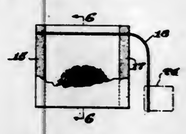
minate said drip stream, and means for increasing the effective counterbalance of the scale beam after the bulk weighing operation, constructed and arranged to cause the scale beam to return to its predepressed position to weigh the drip load, said control mechanism including an individual solenoid for each gate arranged to be independently actuated to close one gate upon the first depression of said scale beam and to close the remaining gate upon the second depression of the scale beam.

2,364,903

BAG FOR INFUSING MATERIAL

Stanley R. Howard, Milton, Mass., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass., a corporation of Massachusetts

Application August 16, 1941, Serial No. 407,164
1 Claim. (Cl. 99—77.1)



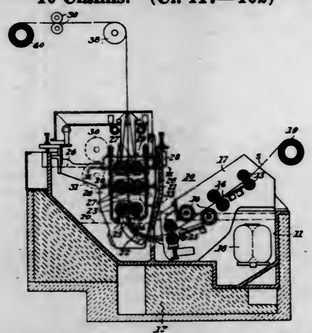
As a new article of manufacture, a bag of thin porous paper adapted to receive an infusing material therewithin, said bag having the side edges thereof secured together, and means providing a seal for the top of said bag including a handle comprising a length of fibrous material coated throughout the length thereof with thermoplastic material, said handle of fibrous material including a portion extending across the mouth of said bag between the top edges thereof with said coating, when the top of said bag is in a sealed condition, serving to bond said top edges to said handle and to bond said edges together at least above said handle.

2,364,904

METHOD FOR TINNING STRIP

John D. Keller, Pittsburgh, Pa., assignor to The Wean Engineering Company, Inc., Warren, Ohio, a corporation of Ohio

Application November 13, 1940, Serial No. 365,495
10 Claims. (Cl. 117—102)



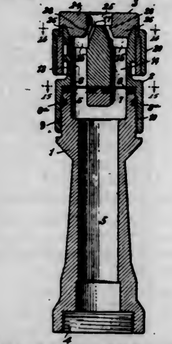
8. In a method of tinning metal strip, the steps including bringing the strip into contact with molten tin, and inducing a flow of an oily liquid along and in contact with the strip in a direction opposite to the direction of strip motion and at a velocity much greater than the velocity of the strip, thereby removing excess tin therefrom, and cooling the liquid to increase its viscosity and thereby enhance the wiping action thereof.

2,364,905

NOZZLE

John O. Lewis, Woodside, Long Island, N. Y., assignor to Delta Nozzle Corp., New York, N. Y., a corporation of New York

Application March 25, 1943, Serial No. 480,427
12 Claims. (Cl. 299—135)



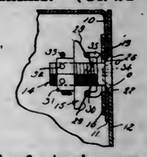
1. A nozzle having a body provided with a passage extending through it, a head rotatively mounted on the body and provided with a plurality of passages normally in axial alignment with the passage in the body, shut-off means interposed between the body and head and rendered effective to shut off communication between the passages in the body and head by rotative movement of the head relatively to the body, the outer portions of the passages in the head being angularly grooved, a top rotatively mounted on the body and having a restricted axial movement thereon, said top having grooved parts fitting in the grooved portions of the head and co-operating therewith in forming angular spray passages for the direction of impinging streams.

2,364,906

RELEASABLE SECURING DEVICE

Allen R. Lumsden, Los Angeles, Calif.

Application March 27, 1942, Serial No. 436,441
15 Claims. (Cl. 24—221)



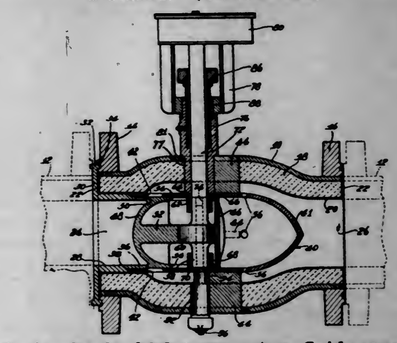
1. A releasable fastening means for securing two members together, one member having an opening, said means comprising a turnable stud on the other member adapted to pass through said opening and two cooperable latch parts, one a resilient unit on the member which has said opening, the other a latch part carried by the stud to project laterally therefrom and to be inserted through the opening with the stud and turnable with the stud, one of said parts being supported for bodily lateral movement relative to said opening so that said parts are related for relative bodily movement in a lateral direction to assure correct latching cooperation of said parts when the latch part is turned into engagement with the resilient unit.

2,364,907

VALVE

John D. Mattimore, Greensburg, Pa., assignor to Walworth Patents Inc., Boston, Mass., a corporation of Massachusetts

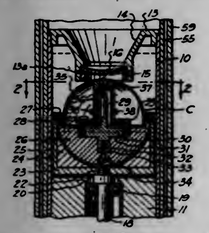
Application August 13, 1942, Serial No. 454,632
2 Claims. (Cl. 251—156)



1. A valve for high temperature fluids comprising a tubular shell having an inlet and an outlet at opposite ends, a lining of insulating material in said shell defining a flow passage extending between said opposite ends, a retaining tube enclosing said lining and secured to said shell, connecting means at the inlet end adapted for connecting said shell to a lined pipe, a tubular valve seat member of heat resisting metal adapted to be secured by said connection in the inlet end and extending along the inner surface of said retaining tube, a hollow guide member of heat resisting metal carried by said valve seat and terminating adjacent said outlet in a streamlined end, said guide having a port adjacent said valve seat and being spaced from said tube for defining an annular flow area in said flow passage beyond said valve seat, a valve member of heat resisting metal reciprocable in said guide and cooperable with said seat, a valve bonnet secured to said shell and projecting through said lining

and tube transversely of said flow passage, and a valve stem carried by said bonnet for reciprocating said valve member into and out of engagement with said seat.

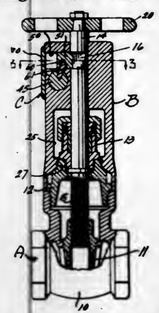
2,364,908
COMPASS UNIT
Leonidas C. Miller, Los Angeles, Calif., assignor, by direct and mesne assignments, of one-half to Eastman Oil Well Survey Company, Dallas, Tex., a corporation of Delaware, and one-half to Eastman Oil Well Survey Corporation, Long Beach, Calif., a corporation of California
Original application July 20, 1939, Serial No. 285,597, now Patent No. 2,317,632, dated April 27, 1943. Divided and this application March 6, 1942, Serial No. 433,545
6 Claims. (Cl. 33—222)



1. The combination with a movable element of a compass unit for controlling the position of said element, said unit including, a housing, a compass member mounted in the housing and responsive to the earth's magnetism, the compass member being substantially semi-spherical in shape with its outer curved surface being of non light-reflecting material, a strip of light reflecting material secured latitudinally to the outer surface of the member and extending from the pivot axis to the edge thereof, said strip being maintained in a predetermined direction by said compass member, a light source above the compass member for directing light rays onto the upper surface thereof, and actuating means connected with the movable element for controlling the movement of the same, said means being responsive to light rays reflected by said strip of reflecting material, whereby the actuating means co-acts with the radially extending strip on the compass member to move and maintain said element in a predetermined position in accordance with the position of the strip on said compass element.

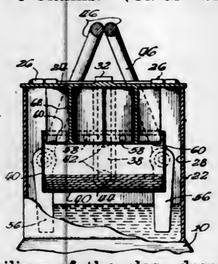
2,364,909
VALVE LOCK
Ray Murphy, Wetumka, Okla.
Application July 10, 1941, Serial No. 401,841
1 Claim. (Cl. 70—179)

As an article of manufacture, a locking hood structure for receiving the valve stems and bonnet structures of valve mechanism comprising an elongated substantially cylindrical-shaped casing structure having an upper portion provided with a small diametered valve stem passageway therethru, lock mechanism carried by said upper portion of the casing including a bolt slidable into valve stem locking relation in the valve stem passageway, said casing below the upper portion thereof wherein the valve stem passageway is provided having an enlarged chamber for receiving the bonnet of a valve mechanism, said chamber at the lower end thereof being provided with an annular flange projecting into the chamber having internal screw threads for attachment to a bonnet structure, said casing below said screw threaded



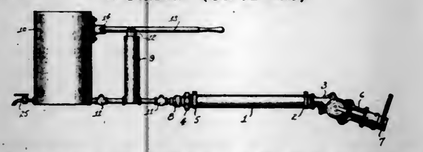
flange providing a thin walled depending skirt defining a chamber which is wider than the aforementioned chamber.

2,364,910
DRESSINGS STERILIZER
George H. Myrick, Rochester, Minn.
Application October 25, 1939, Serial No. 301,110
9 Claims. (Cl. 68—21)



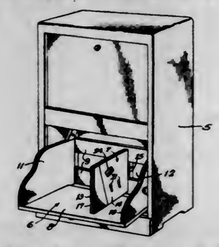
1. A sterilizer of the class described comprising a tank adapted to contain liquids therein, a cover for sand tank, a basket movably supported in said tank for reciprocation vertically therein independently of and relative to the cover, a presser plate positioned below said cover and secured thereto, said plate being of a size to enter said basket, lifting means movably secured to said tank for lifting said basket to squeeze the contents therein against said presser plate when said cover is closed, and manually operable means outside of said tank to actuate said lifting means, said last mentioned means constituting bails for carrying the tank.

2,364,911
REPAIRING RUBBER HOSE
Joseph Albert Osella, Roseville, Calif.
Application September 19, 1942, Serial No. 459,050
1 Claim. (Cl. 91—18)



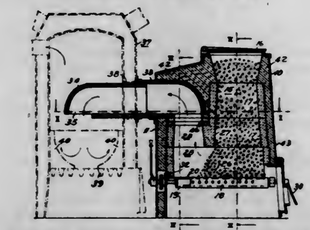
Apparatus for repairing leaks in a railway car hose, said hose having a coupling member secured to one end and a connecting bushing secured to the other end, comprising a plug member separably connected with said coupling member to form a seal therefor, a reservoir for containing sealing fluid, said reservoir having an outlet near its bottom, a pump barrel having an intake connected with said reservoir outlet, said barrel having a discharge fitting separably connected with said bushing, a plunger in said barrel, a lever connected with said plunger for operating the same to force said sealing liquid into the hose under sufficient pressure to fill the leaks therein, and a fulcrum bracket for said lever mounted upon a wall of said reservoir.

2,364,912
FILING CABINET FOLLOWER
John Warren Paxton and George Noble Paxton, Bloomington, and Irving Richard Cornish, Elmhurst, Ill.
Original application April 24, 1943, Serial No. 484,392. Divided and this application January 17, 1944, Serial No. 518,566
3 Claims. (Cl. 129—30)



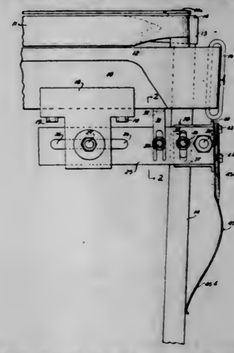
1. In combination with a container for filing cabinets having a wall member formed of a pair of parts spaced to provide a lateral slot throughout the length of said member, a follower comprising a pair of relatively shiftable plates having biasedly-arranged coacting shoulders thereon whereby one of said plates is urged to engage the inner face of said wall member, an extension on the other of said plates received in said slot and engageable with the back face of said wall member, and releasable resilient means shifting said plates for causing said one plate and said extension to grip said wall member for positioning said follower in said container.

2,364,913
SOLID FUEL BURNER
Earl C. Peterson and Lester V. Baumgart, Minneapolis, Minn., assignors to Home Heaters, Inc., Racine, Wis., a corporation of Wisconsin
Application December 6, 1940, Serial No. 368,798
1 Claim. (Cl. 110—23)



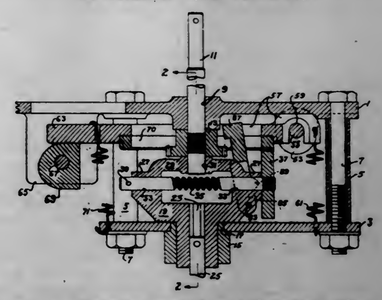
A solid fuel burner comprising a substantially rectangular casing provided with substantially vertical outer walls, a substantially vertical intermediate wall defining a hopper and a primary combustion chamber on one side thereof and a vertically directed secondary combustion chamber on the other side of said intermediate wall, means for conducting air to both said combustion chambers, a horizontally directed conduit communicating with the upper end of said secondary combustion chamber for directing the gases of combustion therefrom, and a plurality of supporting members interposed between the upper end of said secondary combustion chamber and said horizontal conduit, the elevation of said horizontal conduit being determined by the number of said interposed members.

2,364,914
PICKER CHECK FOR LOOMS
Horace M. Phillips, Gastonia, N. C.
Application January 31, 1944, Serial No. 520,451
7 Claims. (Cl. 139—167)



1. A picker stick check for looms comprising a member secured below the lay of the loom and adjustable longitudinally of the lay of the loom and having a right angle member adjustably secured for vertical adjustment on its outer end, a leaf spring member adjustably secured for lateral adjustment on the right angle member and projecting downwardly and having its lower end adapted to be engaged by the picker stick during its outward motion in the shuttle box.

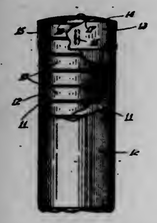
2,364,915
CHANGE-SPEED MECHANISM
Ralph B. Pressler, Fort Wayne, Ind., assignor to S. F. Bowser & Company, Incorporated, Fort Wayne, Ind., a corporation of Indiana
Application January 30, 1943, Serial No. 474,156
10 Claims. (Cl. 74—112)



1. In a change speed mechanism the combination of a driving shaft, a driven shaft, a carrier connected to said driving shaft, a worm mounted on said carrier, a worm wheel mounted

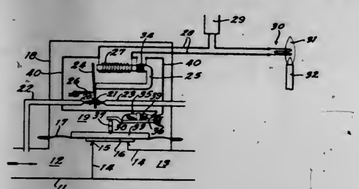
on said carrier and in mesh with said worm, means for connecting said worm wheel to drive said driven shaft, a gear connected to drive said worm, a ring gear adapted to mesh with said worm driving gear, and means mounting said ring gear for adjustment to any one of a plurality of positions, said mounting means being constructed and arranged to interpose a different number of teeth of said ring gear in the path of the worm driving gear for each position of said ring gear.

2,364,916
PACKAGE
Charles H. Rasmussen, Brooklyn, N. Y., assignor to Ferdinand Gutmann & Co., Brooklyn, N. Y., a corporation of New York
Application March 12, 1941, Serial No. 382,925
7 Claims. (Cl. 206—56)



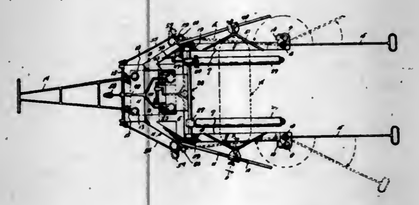
1. A package embodying therein a body formed of a tearable wrapping closely enveloping a stack of tablets or lozenges, and a closure having a skirt of a form to slip over an end of and frictionally engage the exterior of said body, and a top having an opening therethrough permitting the passage of a push rod for ejecting from the closure after its removal from the stack a tablet or lozenge which may be frictionally retained within the skirt of the closure and accidentally removed from the stack with the closure whereby replacement of the closure upon the stack is permitted.

2,364,917
HYSTERESIS COMPENSATOR
William A. Ray, Los Angeles, Calif.
Application December 1, 1941, Serial No. 421,179
7 Claims. (Cl. 121—38)



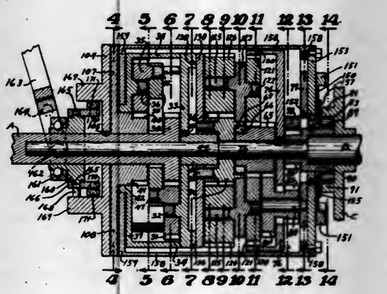
2. In a control system: a motor, and electromagnetic means for controlling the operation of said motor; said electromagnetic means comprising an electromagnet and an armature cooperable therewith, said armature being movable toward said electromagnet when the same is energized to a position wherein the reluctance of the electromagnetic circuit is reduced, means urging the armature away from the electromagnet, and means controlled by the movement of said motor in response to the movement of the armature toward the electromagnet for decreasing the force applied to the armature by the electromagnet.

2,364,918
WHEEL HANDLING APPARATUS
Forney Roberson, Mobile, Ala.
Application January 17, 1944, Serial No. 518,610
3 Claims. (Cl. 214—65.4)



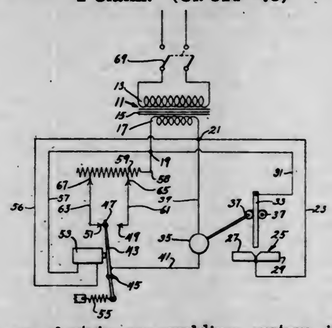
1. In a vehicle wheel handling apparatus of the character described, a horizontal wheeled frame, a vertically adjustable vehicle wheel supporting carriage mounted on the frame, and manually releasable means carried by the frame for engaging the upper portion of the vehicle wheel to sustain it in a vertical position on the carriage, said last named means including horizontal swinging wheel-engaging forks mounted on the frame, and yieldable means acting to normally swing said forks toward each other for engagement with the wheel.

2,364,919
TRANSMISSION MECHANISM
Thomas H. Ryan, San Francisco, Calif.; Margaret I. Ryan executrix of said Thomas H. Ryan, deceased
Application July 20, 1942, Serial No. 451,543
14 Claims. (Cl. 74—260)



1. A mechanism for transmitting power to a load shaft from a motor shaft comprising a torque converter adapted to transmit constant motor torque therethrough from motor to a driven element without increase or decrease of motor speed, or motor torque, and having a driven element, having means to drive said driven element from said motor shaft in a speed ratio infinitely variable from zero to one, and having a torque-speed-responsive control means for said driving means to determine automatically the speed ratio of said driven element to said motor shaft, a manual control means operable upon said automatic control means to enable the operator to obtain any desired speed ratio, and gear means to transmit power from said driven element of said torque converter to said load shaft.

2,364,920
AUTOMATIC ARC STRIKING STARTER CIRCUIT
Kenneth E. Shaffer, Richmond, Calif.
Application February 22, 1943, Serial No. 476,706
1 Claim. (Cl. 314—73)



In an electric arc welding system including terminals leading from a source of electric power the combination comprising a welding circuit, an electrode feed rate control circuit and a starting circuit, said welding circuit comprising a movable electrode connected to one of said power source terminals and a lead to the work to be welded, the voltage potential across said power source terminals being greater when said welding circuit is not completed than when current is passing therethrough, said electrode feed rate control circuit comprising an electric motor connected to said power source terminals through a double throw switch member and adapted to constantly move said movable electrode towards said work when said welding circuit is completed, said starting circuit comprising a resistance, said double throw switch member, a lead from one of said power source terminals to said electric motor, a lead from said electric motor to said double throw switch and a contact lead from said resistance to said double throw switch and forming a parallel circuit through said power source terminals, resistance, double throw switch and electric motor when said double throw switch is in starting position, whereby said electric motor operates at reduced speed when said double throw switch is in starting position, solenoid means adapted to move said double throw switch to starting position when said welding circuit is not completed and maximum voltage potential across said power source terminals exists and means adapted to move said double throw switch against the action of said solenoid means to complete said electrode feed control circuit when said welding circuit is completed and said voltage across said power source terminals is accordingly reduced.

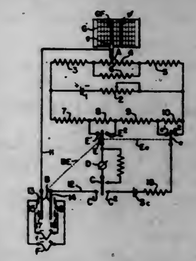
2,364,921
LEADED MOTOR FUELS
Edward C. Shokal, Oakland, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application July 6, 1942, Serial No. 449,964
8 Claims. (Cl. 44—69)

1. A leaded gasoline containing a compound selected from the group of chloro and chloro-bromo alkanes containing 3 halogen atoms per molecule and at least 2 and not more than 5 carbon atoms the amount of the added halide being sufficient to reduce the deposit of lead compounds formed on combustion of the gasoline.

2,364,922
METHOD OF MANUFACTURING CAST IRON
Oliver Smalley, Pittsburgh, Pa., assignor to Meehanite Metal Corporation, Chattanooga, Tenn., a corporation of Tennessee
No Drawing. Application August 11, 1941, Serial No. 406,356
3 Claims. (Cl. 75—130)

1. A method of producing an all-pearlitic cast iron which comprises melting a charge of iron of such total carbon and silicon content that if cast in the absence of tellurium would result in a gray cast iron containing free-ferrite, and adding tellurium and calcium-silicide in quantity sufficient to produce an all-pearlitic structure.

2,364,923
MEASURING APPARATUS
Edgar M. Smith, Trenton, N. J., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application June 12, 1943, Serial No. 490,589
6 Claims. (Cl. 171—95)

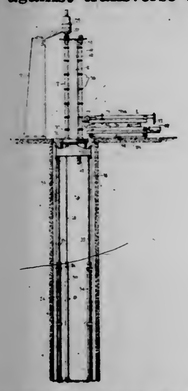


1. A potentiometric measuring circuit for measuring the magnitudes of a plurality of varying voltage sources of approximately the same range of variation comprising an energizing branch including a source of current, a second branch including a slidewire resistance and a third branch including a resistor, each of said second and third branches being connected in parallel with the other and in series with the said energizing branch, a contact adjustable along said slidewire resistance, a current responsive device, and means including a switch for successively connecting said voltage sources one at a time with said device in series therewith between said contact and said third branch at one end or the other of said resistor depending upon the adjustment of said switch.

2,364,924
HEAT-TREATING APPARATUS
Howard E. Somes, Detroit, Mich., assignor to Budd Induction Heating, Inc., Philadelphia, Pa., a corporation of Michigan
Application February 28, 1942, Serial No. 432,739
12 Claims. (Cl. 219—13)

1. In an apparatus for heat treating the internal surfaces of relatively long tubular workpieces and having a heating head of a size less than the internal diameter of the workpiece to be heat treated, means for moving the workpiece longitudinally relative to the heating head with the heating head coaxially therewithin to progressively heat the internal surface thereof, comprising a reciprocable work support, axially spaced and aligned means on said support for securely holding the ends of the workpiece to be heat treated, means on said support intermedi-

ate said aligned means for engaging the workpiece intermediate the ends thereof to restrain the workpiece against transverse deflection and

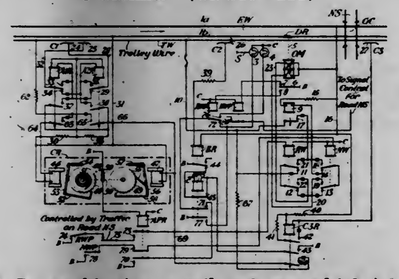


to maintain the same straight, and motor means for reciprocating said support relative to said heating head.

2,364,925
PROCESS FOR PRODUCING PENTAERYTHRITOL
Harold M. Spurlin, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 21, 1942, Serial No. 451,771
17 Claims. (Cl. 260—635)

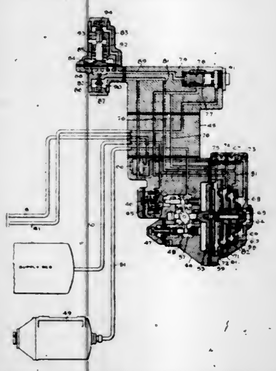
1. In a process of producing pentaerythritol, the step comprising reacting an aqueous solution of acetaldehyde and formaldehyde, containing a neutral salt, at a temperature of from about 20° C. to about 100° C. in the presence of an anion exchange agent which is essentially inactive toward formaldehyde and acetaldehyde, said anion exchange agent being of a strength great enough to give with neutral salt solution a pH of at least 9.5.

2,364,926
RAILWAY TRAFFIC CONTROLLING APPARATUS
Paul P. Stoker, Joliet, Ill., assignor to The Union Switch and Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application September 19, 1942, Serial No. 458,931
3 Claims. (Cl. 246—114)



1. In combinaton, a railroad over which traffic normally moves in a given direction and which uses a trolley wire, a derail located in said railroad, a signal located just to the rear of said derail; a first, a second and a third trolley contactor which are located at a point to the rear of the derail, adjacent said signal and at a point in advance of the derail respectively; a counting relay having a contact member operable in a step-by-step manner away from or toward a normal position according as the relay is energized at a first sense or energized at a second sense, means including said first contactor to energize said relay at said first sense when a car passes that contactor, means controlled by said contact member and by a contact closed under safe traffic conditions to energize said motor means to operate the derail to a non-derailing position when the contact member is stepped away from its normal position, other means governed by said contact member to control said signal to a proceed position when the contact member is stepped away from its normal position, means including said second contactor to remove said contact member from control of said other means and to establish a stop position for said signal when a car passes the second contactor, and means including said third contactor to energize said counting relay in said second sense and to restore the control of said contact member over said other means.

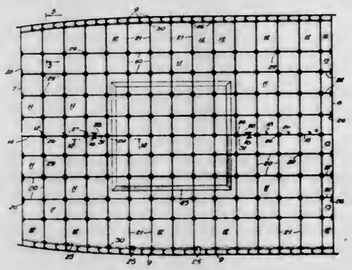
2,364,927
AIR BRAKE
Henry Norton Sudduth, Watertown, N. Y., assignor to The New York Air Brake Company, a corporation of New Jersey
Application July 29, 1943, Serial No. 496,631
6 Claims. (Cl. 303—22)



1. Braking ratio controlling means for interposition between a brake controlling valve device and a brake cylinder controlled thereby, comprising in combination a self-lapping relay having two motor abutments; connections for subjecting both said abutments to a control pressure developed by the brake controlling valve device; a normally open inshot valve adapted to close in response to a moderate pressure developed on its discharge side; and load responsive means effective under no-load conditions to interpose said inshot valve in the connection to one of said abutments.

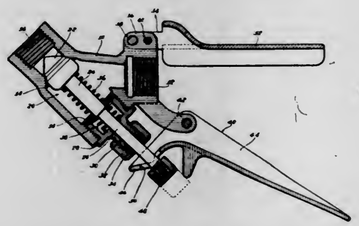
2,364,928
CARGO SHIP CONSTRUCTION
Peter Thompson, New Orleans, La.
Application October 23, 1943, Serial No. 507,377
24 Claims. (Cl. 114—125)

4. In a ship cargo hold, a plurality of vertically disposed swash plates forming separate shallow individual water ballast compartments with the floor of the hold forming the bottoms thereof, said plates being firmly secured together by readily attachable and detachable means and upon detachment being storable in compact groups



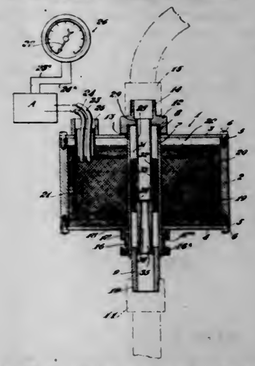
with plates disposed parallel to each other, thereby leaving the bottom of the hold free for paying cargo, said swash plates being of sufficiently small dimensions and low weight as to enable them to be erected and manipulated by the individual crew members of the ship.

2,364,929
VALVE
Arthur J. Trott, Greensburg, Pa., assignor to Walworth Patents Inc., Boston, Mass., a corporation of Massachusetts
Application February 6, 1943, Serial No. 474,927
3 Claims. (Cl. 251—134)



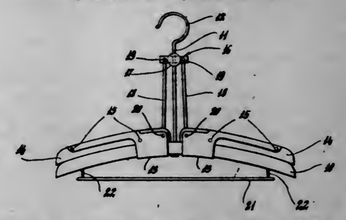
1. A valve comprising a casing having a fluid passageway therethrough, a valve seat in said casing intermediate the ends of said passageway, a hollow projection on said casing offset from said passageway but communicating therewith, a valve member cooperable with said valve seat, a valve stem extending from said valve member through said projection exteriorly of said casing, means for biasing said valve member towards said seat, a valve lever pivotally mounted on said casing on one side of said passageway and engaging said valve stem, said lever being manually operable for overcoming said biasing means and moving said valve member away from said seat, a guard member extending from said casing in the same general direction as said lever but on the opposite side of said passageway, a pivotal mounting for said guard member on the casing for swinging movement thereof to permit unobstructed access to said passageway, and means for securing the guard member rigidly in position for manual engagement coincident to operation of said lever, said securing means being located adjacent said pivotal mounting.

2,364,930
FLOWMETER
Jacob Lee Turner, Norwell, Mass., assignor to Manning, Maxwell & Moore, Incorporated, New York, N. Y., a corporation of New Jersey
Application July 21, 1943, Serial No. 495,596
10 Claims. (Cl. 73—205)



1. A fluid flow meter comprising an inlet fitting, an outlet fitting axially aligned therewith, a fixed tubular guide coaxial with the inlet fitting and arranged to receive the fluid which enters the latter, a sleeve arranged to slide freely on the guide, a nozzle carried by the sleeve and arranged to receive the fluid discharged through the guide, an armature mounted on the sleeve, a tubular core extending from the inlet fitting to the outlet fitting and which houses the sleeve and armature, an electromagnet including a coil which embraces the core, means for amplifying fluctuations in the magnetic flux in the field of the electromagnet, and flow-indicating means responsive to said amplified fluctuations.

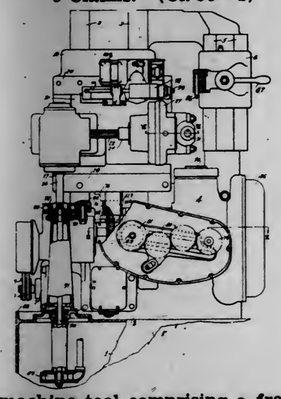
2,364,931
ADJUSTABLE CLOTHES HANGER
Joseph Vondrak, New York, and Edward Weissbard, Brooklyn, N. Y.
Application March 27, 1944, Serial No. 528,188
6 Claims. (Cl. 223—91)



1. In a clothes hanger of the character described, the combination of an elongated member having a means whereby it can be suspended in a substantially horizontal position, a track means mounted on said member, extending normally thereto, an element slidably mounted along the track means, a pair of garment shoulder supporting members slidably mounted along the elongated member, adapted to be positioned respectively therealong as extensions of the respective ends thereof, and a pair of links, each respectively pivotally connected at one of their respective ends to the element slidable along the track and pivotally connected at their other respective ends, one to each of said extension members, whereby upon movement of one extension

member along the elongated member, the other extension member will automatically move in an opposite direction along the elongated member.

2,364,932
MACHINE TOOL
Homer C. Warner and Charles H. Schurr, Cleveland, Ohio, assignors to The Lees-Bradner Company, Cleveland, Ohio, a corporation of Ohio
Original application March 29, 1937, Serial No. 133,554. Divided and this application March 20, 1940, Serial No. 325,028
9 Claims. (Cl. 90—4)

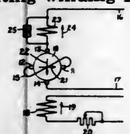


1. A machine tool comprising a frame, guideways thereon, a carriage slidable on said guideways, a spring between the frame and the carriage capable of moving the carriage on the frame, a spindle carried by the frame, a spindle carried by the carriage, gearing between said spindles, a screw controlling the motion of the carriage on the frame, operative connections between said screw and said gearing, guideways on said carriage, a slide movable on said guideways, a stop limiting the motion of said slide, resilient means urging said slide toward said stop, and means for retracting said slide from said stop.

3. In a machine of the class described, comprising a stationary frame, a work spindle and a tool spindle carried thereby, said spindles being relatively movable in two directions, feed means moving said spindles relatively in one direction, an electrical motor for operating said feed means, quick return means moving said spindles relatively in the opposite direction, a second motor for operating said quick return means, means feeding said spindles into depth relative each other and retracting the same relatively, a third electrical motor for operating said last mentioned means, relays controlling the operation of said motors, switches associated with said feed means, said return means and said depth feeding means and arranged to control said relays automatically moving the tool and work relatively through a closed cycle.

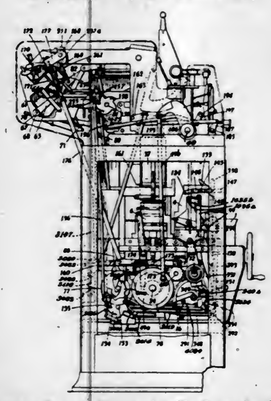
2,364,933
DYNAMOELECTRIC MACHINE
Frank H. Andrix, Niskayuna, N. Y., assignor to General Electric Company, a corporation of New York
Application June 17, 1943, Serial No. 491,121
8 Claims. (Cl. 171—223)

1. A dynamoelectric machine having an armature with a commutator and a winding connected thereto, means including a commutator primary brush set and a commutator secondary brush set for providing a primary circuit and a secondary circuit through said armature winding, a field exciting winding arranged to provide a component of excitation along the secondary commutating axis of said armature, means including a second field exciting winding for opposing arma-



ture reaction due to current in said armature secondary circuit, and means for limiting the current through said second field exciting winding to substantially a predetermined maximum value for limiting the current in said armature secondary circuit to substantially a predetermined maximum value.

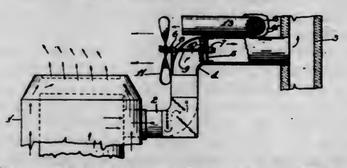
2,364,934
CALCULATING MACHINE
Richard Everest Baldwin, Thornton Heath, England, assignor to Powers Accounting Machines Limited, London, England, a corporation of Great Britain
Application May 3, 1939, Serial No. 271,558
In Great Britain May 9, 1938
4 Claims. (Cl. 235—61.8)



1. A record card controlled calculating machine having mechanism for detecting changes in designation of the cards, comprising in combination a total receiving accumulator, and a plurality of total transmitting accumulators, each having wheels capable of rotation in either direction for receiving additive or subtractive entries, carry mechanism operative for either direction of rotation, and an adjusting device settable to adjust the accumulator for either additive or subtractive rotation of its wheels, means for reading record cards, means operative under the control of said reading means to enter amounts into each of said accumulators, said entering means including a set of actuators to each accumulator, means for restoring said actuators to zero after they have been set, and means for setting the adjusting device for each accumulator in accordance with whether an amount is to be entered additively or subtractively, a type carrier to each actuator, an operative connection between each actuator and its type carrier, means individual to each accumulator for printing the amount

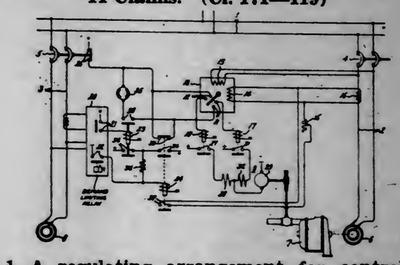
to which its type carriers have been set by the actuators, means operative under the control of the change of designation detecting mechanism, when a change of designation occurs, to cause the machine to perform a number of consecutive total taking operations equal to one more than the number of accumulators, means operative during the first total taking operation to cause the total receiving accumulator to set its actuators and the type carriers connected thereto to the amount of said total, means also operative during the first total taking operation to actuate the printing means of the receiving accumulator to print the amount of said total from the type carriers, means also operative during the first total taking operation to maintain the wheels of the receiving accumulator in engagement with their actuators during restoration of said actuators to zero, whereby the amount of the printed total is returned to the wheels of the receiving accumulator, means operative during the subsequent total taking operations, except the last, to connect the actuators of the total-transmitting accumulators in turn to the actuators of the total-receiving accumulator, means operative during each of said subsequent total taking operations, except the last, to condition the total receiving accumulator to receive an amount from its actuators, means also operative at each of said subsequent total taking operations, except the last, to permit the transmitting accumulator of the connected pair of accumulators to set its actuators in accordance with the total it contains, whereby on the return of said actuators to zero, said total is entered into the receiving accumulator, means, operative during each of said total taking operations in which a transmitting accumulator is thus connected to the receiving accumulator, to actuate the printing means of the transmitting accumulator of the connected pair to print the amount of the transmitted total from the type carriers connected to the actuators of said transmitting accumulator, means effective upon the initiation of a total-taking operation and operative under the control of each one of the transmitting accumulators, when connected to the receiving accumulator, to set the adjusting means of the receiving accumulator to adjust said last mentioned accumulator for rotation of its wheels subtractively when the total in the transmitting accumulator connected thereto is negative, means operative during the last total taking operation of the series to cause the total receiving accumulator to set its actuators in accordance with the amount which it then holds, and means also operative during said last total taking operation to actuate the printing means of the receiving accumulator to print said amount from the type carriers connected to its actuators.

2,364,935
AIR CIRCULATOR
Walter Bandurski, Chicago, Ill.
Application April 25, 1942, Serial No. 440,563
2 Claims. (Cl. 126—110)



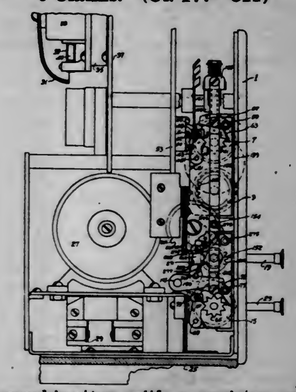
1. The combination with a room heater having an inner heating unit, an outer open-top casing, and a smoke pipe leading to a stack; of a rotary transmission shaft in said smoke pipe extending through one wall thereof, a fan fast upon said shaft within said smoke pipe, and a fan upon said shaft outside said smoke pipe positioned to blow air across the top of the heater.

2,364,936
REGULATING SYSTEM
Herman Bany, Lansdowne, Pa., assignor to General Electric Company, a corporation of New York
Application April 30, 1943, Serial No. 485,175
11 Claims. (Cl. 171—119)



1. A regulating arrangement for controlling the distribution of load between two supply circuits connected to a load circuit comprising regulating means responsive to the output of only one of said load circuits for regulating said output so that it is maintained constant at a predetermined value, and means responsive to a load demand of a predetermined character on the other supply circuit for modifying the operation of said regulating means to effect an increase in the output of said one of said supply circuits above said predetermined value while said load demand exists.

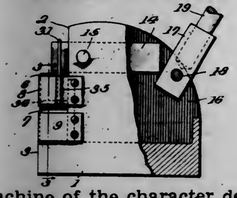
2,364,937
SIGNALING AND INDICATING SYSTEM
Hugo J. Baur and Thomas E. Kulo, Chicago, Ill., assignors, by mesne assignments, to City National Bank and Trust Company of Chicago, Chicago, Ill., as trustee
Application February 17, 1941, Serial No. 379,378
6 Claims. (Cl. 177—311)



1. In combination with a register, visible and audible indicating means, a control device for each indicating means, an operator for said control devices adapted to be actuated by the register, said operator having primary and second-

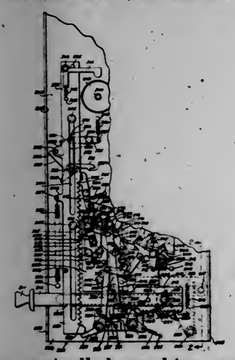
ary positions, said operator being constructed and arranged to actuate both control devices when it occupies its primary position and to actuate only one control device when it occupies its secondary position, a withdrawable abutment for holding said operator in said secondary position and means for withdrawing said abutment to permit the return of said operator to its primary position.

2,364,938
ANGLE SHRINKER
Charles L. Beard, Lancaster, Pa.
Application June 11, 1943, Serial No. 490,470
3 Claims (Cl. 78—61)



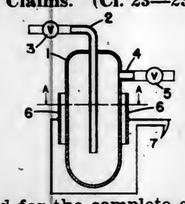
1. A machine of the character described comprising a body member, spaced upper and lower guide members mounted on said body, two pairs of upper and lower jaws embraced by said guide members and adapted to receive therebetween a flat metal work piece, said upper jaws having grooves in opposite sides thereof, each of said upper and lower jaws having an inclined face adapted to slidably engage a correspondingly inclined face formed in the respective guide members whereby downward pressure exerted against the top guide member will force the jaws of a pair toward each other, a bar pivoted to said body with its forward end adjacent said upper guide member, a wire member looped over and depending from the forward end of said bar and having angular extremities seating in said grooves for supporting said upper jaws and said upper guide member for simultaneous movement, means normally engaging the rear end of said bar for elevating the same and causing the front end thereof to be depressed to exert a downward pressure against said top guide member.

2,364,939
FREE SERVICE COIN-CONTROLLED MACHINE
Harry S. Benjamin, Poughkeepsie, N. Y.
Original application December 26, 1940, Serial No. 371,700. Divided and this application July 24, 1942, Serial No. 452,159
20 Claims. (Cl. 194—55)



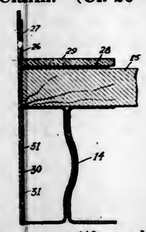
9. A coin-controlled machine, comprising an operating plunger for rendering a service upon the insertion of a coin in the machine, coin holding mechanism associated with the machine, and a step by step mechanism operably connected to the plunger for discharging a coin from said holding mechanism simultaneously with the rendering of said service when the step by step mechanism has advanced a predetermined number of steps and the operating lever is again operated by the insertion of another coin in the machine.

2,364,940
GAS ANALYSIS AND COMBUSTION CHAMBER THEREFOR
Clarence C. Bies, Houston, Tex., assignor to Standard Oil Development Company, a corporation of Delaware
Application June 10, 1941, Serial No. 397,359½
4 Claims. (Cl. 23—232)



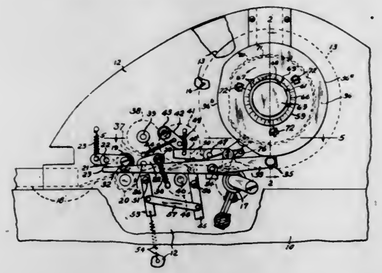
2. A method for the complete combustion of a combustible gas which comprises mixing the gas with an excess of oxygen, confining the mixture in a closed chamber at a subatmospheric pressure at which the mixture will glow under the influence of a high frequency electric current, and subjecting the mixture in said chamber to the action of a short wave radio-frequency current.

2,364,941
SHELTER
John E. Bowen, Grosse Ile, Mich., assignor to National Steel Corporation, a corporation of Delaware
Application May 21, 1943, Serial No. 487,933
1 Claim. (Cl. 20—2)



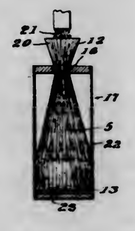
A bulkhead for use with a shelter of the type having a base structure including supporting members and a floor and an arched wall structure including exterior sheathing and a spaced interior wall comprising a door panel adapted to be fastened at the top to the arched wall structure and at the bottom to the base structure, a pair of canvas sections each fastened along one edge to a side of the door panel for the entire length of such sides, each canvas section having a lower edge adapted to be positioned along the bottom of the base structure and a curved edge adapted to be positioned along the exterior sheathing, fastening means adjacent the lower edge on each section for fastening the same to the floor side of the base structure, fastening means adjacent the curved edge on each section for fastening the same to the interior side of the wall structure, and stiffening means between the fastening means and the associated edges to retain the edges in position.

2,364,942
DUPLICATING MACHINE
Charles H. Bradt, Groton, N. Y., assignor to L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y., a corporation of New York
Application March 19, 1942, Serial No. 435,383
4 Claims. (Cl. 101—132.5)



1. A duplicating machine of the class described comprising a rotative master sheet carrying drum, a platen roll coactive with the drum, a pair of copy sheet feed rolls for advancing copy sheets toward the bight of the drum and platen roll, means for supplying ink solvent to one of said rolls, means shiftable to separate said feed rolls, a latch normally coactive with said shiftable means to hold the feed rolls separated, means operable by a copy sheet to release said latch as the leading end of the sheet reaches said pair of rolls, a ratchet rotative with the drum, a pawl on said shiftable means normally retracted from said ratchet and movable by said sheet operable means into contact with said ratchet to actuate the shiftable means to separate the feed rolls as a copy sheet completes its transit between said rolls.

2,364,943
CONTAINER
Francis L. Brandt, Lynn, Mass., assignor to National Fireworks, Inc., a corporation of Massachusetts
Application March 13, 1943, Serial No. 479,015
3 Claims. (Cl. 229—14)



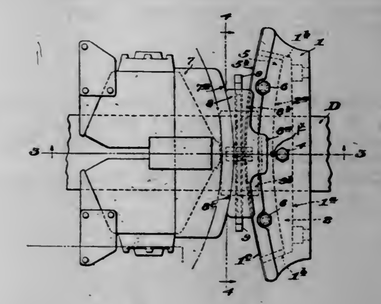
1. A container comprising a hollow case having a plurality of rigid sides and an opening in one of said sides smaller in area than that of said one side, and a liner adapted to be inserted through said opening, said liner being of folded pliable sheet material accordion pleated along full lines extending substantially the full length of the liner in the direction of the insertion and expanded within said case to cover the inner surface thereof, said liner being greater in all cross-sectional dimensions when expanded than the greatest cross-sectional dimension when folded.

2,364,944
MACHINE GUN
Charles S. Brown, Syracuse, N. Y.
Application October 31, 1941, Serial No. 417,372
1 Claim. (Cl. 89—14.1)



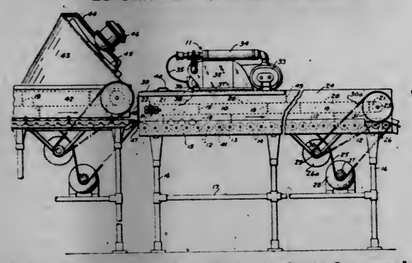
A machine gun including a barrel, a cylindrical shell enclosing the barrel and having air holes therein throughout its length, the shell projecting beyond the muzzle end of the barrel and the projecting portion thereof being formed with internal spiral blades, each being less than one convolution of a spiral, all whereby the force of the exhaust gases ejected from the barrel acts to draw, injector fashion, air through the shell and the spiral blades impart a whirling motion to the injected air and to the gases mixed therewith coming from the interior of the barrel where the projectile leaves the barrel.

2,364,945
BUFFER ASSEMBLY
Donald Dewey Bryant, Huntington, W. Va.
Application March 21, 1944, Serial No. 527,495
17 Claims. (Cl. 213—220)



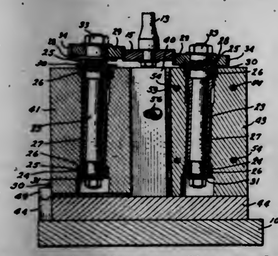
9. In combination with a locomotive and tender connected by a draw-bar; a buffer assembly disposed above the draw-bar and comprising a locomotive buffer casting fixedly mounted on the axis of the locomotive and having a convex arcuate rear face; a tender buffer casting fixedly mounted on the tender opposite to but separated from the locomotive casting and having a convex arcuate front face; one of said castings having a recess in its outer end; a floating casing between said locomotive and tender castings having concave arcuate front and rear faces conforming with the convex faces of the said locomotive and tender castings; guides carried by the draw-bar and adapted to engage the floating casting and shift same laterally therewith when the locomotive and tender are out of alignment; and antifriction means in said recess engaging said floating casting for preventing gaffing and sticking of the floating casting during shifting movements.

2,364,946
PREPARATION OF FRESH FRUIT FOR MARKET
Lloyd W. Burwick, McAllen, Tex., and Charles D. Cothran, Pomona, and Thomas George Cunning, Upland, Calif., assignors to Brogdex Company, Pomona, Calif., a corporation of California
Application October 12, 1943, Serial No. 505,946
15 Claims. (Cl. 99—168)



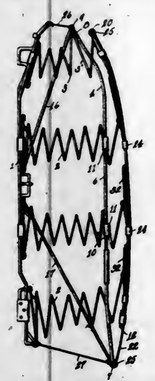
1. In the preparation of fresh fruit for market, the process of providing it with a thin waxy coating to enhance its marketability, which comprises nebulizing liquid molten waxy material into an atmosphere having a temperature sufficiently below the solidifying point thereof to chill and congeal the nebulized material into solid particles and form an aeriform suspension thereof, contacting said aeriform suspension with fresh fruit that has not been previously coated, while ensuring that no uncongealed waxy material shall contact the same, and subjecting said fruit to the action of mechanical rubbing means, at a temperature below said solidifying point, to spread adhering solid waxy material over the fruit in a thin coating.

2,364,947
APPARATUS FOR CROWNING GEAR TEETH
John M. Christman, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application September 12, 1939, Serial No. 294,519
7 Claims. (Cl. 90—1.6)



1. In a machine for simultaneously crowning both ends of the teeth of a gear having similar end pitch circles, spindle means on which a gear to be crowned is fixed, two sets of cutters similar to the gear in form having the faces of their teeth formed with shaving edges and burnishing portions, means for rotatably supporting the sets of cutters in intermeshing relation, one with each end portion only of the gear, and with the axis of the sets of cutters disposed in acute angular relationship with the gear axis, and means operable to swing one of the sets of cutters in a direction to apply radial pressure between both sets of cutters and the gear.

2,364,948
SPRING ASSEMBLY FOR BACK CUSHIONS
William A. Clark, Detroit, Mich., assignor to L. A. Young Spring & Wire Corporation, Detroit, Mich.
Application July 18, 1941, Serial No. 402,909
14 Claims. (Cl. 155—179)

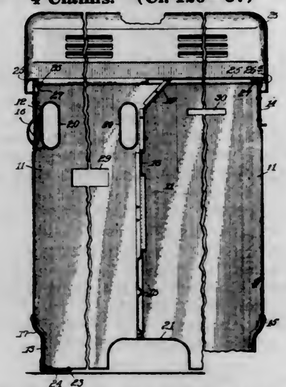


1. A spring assembly for back cushions comprising a base, a plurality of rows of helically coiled body springs of the hour-glass type, the upper row of springs having coils thereof adjacent their top coils elongated to extend upwardly beyond their top coils, a border frame formed of covered resilient wire including an upper member secured to said coil elongations of the upper row of springs, side portions having loop-like inward offsets therein secured to intermediate coils of certain of the end springs of the assembly and a bottom portion substantially spaced from the top coils of the lower row of body springs, there being a supplementary bottom border member secured to the top coils of the lower row of springs and having offsets therein secured to said bottom portion, inclined braces connected at their inner ends to said base and at their outer ends to said upper portion of said border frame, a top border member of resilient covered wire secured to the top coils of the upper row of springs and lying within the plane of said upper portion of said first named border frame, and side members secured to the top coils of the end springs, the ends of said top border member being secured to said side members.

2,364,949
CONVERSION OF HYDROCARBON OILS
Gerald C. Connolly, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application October 31, 1940, Serial No. 363,701
2 Claims. (Cl. 196—52)

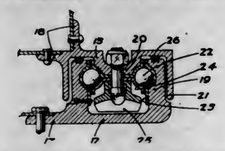
1. A method of cracking hydrocarbon oils which comprises passing the oil in vapor form through a cracking zone containing a catalyst consisting essentially of silica and zirconia prepared by first forming a silica hydrosol, thereafter causing said hydrosol to coagulate into a hydrogel, removing reaction impurities from the hydrogel so formed, impregnating the washed silica hydrogel with a zirconium salt solution to form a dried product containing from 15% to 25% of zirconium oxide, thereafter converting the zirconium salt into the oxide, washing and drying the resulting product to form the catalyst, and maintaining the oil vapors within the cracking zone in contact with said catalyst for a period sufficient to convert a substantial portion thereof into motor fuel constituents.

2,364,950
RANGE FRAME
James M. Cook, La Grange, Ill., assignor to Cribben and Sexton Company, Chicago, Ill., a corporation of Illinois
Application July 19, 1941, Serial No. 403,187
4 Claims. (Cl. 126—37)



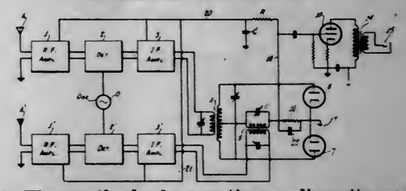
1. A range frame of the character described, comprising front and rear panels, side supports extending between the front and rear panels at the bottom and top, said side supports in the bottom of the panels constituting bottom supports, said bottom supports and said panels being provided with horizontal flanges at the bottom thereof, means providing a heater compartment between said panels, gusset plates at the bottom of said bottom supports and said panels at the corner junctions thereof, means for securing said panels to said bottom supports and also said gusset plates to the flanges of said panels and bottom supports.

2,364,951
GUN TURRET MOUNTING
Alfred Corte, Glendale, Calif., assignor, by mesne assignments, to Lockheed Aircraft Corporation, a corporation of California
Application November 22, 1940, Serial No. 366,659
6 Claims. (Cl. 74—425)



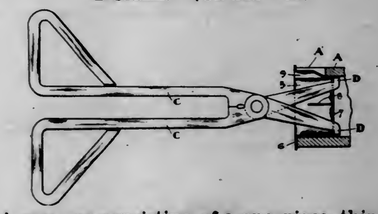
1. A peripheral bearing mounting for traversible and elevatable portions of a gun turret, comprising a relatively stationary outer ring having an inwardly opening channel forming spaced ears, ball bearing races attached to the facing surfaces of said ears, an inner member having flanges enveloping the outer surfaces of said spaced ears and a central tongue, projecting into the space between said ears, two part double ball races attached to said tongue in opposition to the races carried by said ears, series of balls engaged between the first and second named races, said first and second named races conforming to the balls so as to transmit radial and torque loads to balls in all directions, a gear ring also secured to said tongue, and a driving worm carried by said outer ring and projecting through an aperture therein to engage said gear whereby to rotate the inner member relative to the outer ring.

2,364,952
DIVERSITY RECEIVING SYSTEM
Murray G. Crosby, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application March 13, 1942, Serial No. 434,508
17 Claims. (Cl. 250—20)



1. The method of operating a diversity radio receiving system having a pair of antennas feeding energy to a pair of rectifiers which comprises feeding signal energy from one antenna in opposed relation to certain electrodes of said pair of rectifiers, feeding signal energy from the other antenna and of the same frequency as said first signal energy to the same electrodes of said pair of rectifiers in cophasal relation, deriving rectified energy from both of said rectifiers in a common utilization circuit, causing one of said rectifiers to produce the predominantly useful alternating current output when the two carriers received by said antennas are at 180° phase relation, and causing the other of said rectifiers to produce the predominantly useful alternating current output when the two carriers received by said antenna are at zero degrees phase relation.

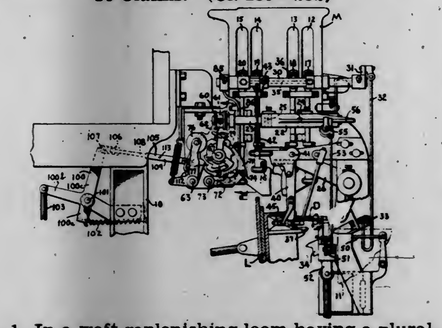
2,364,953
CORE CAP
Stewart N. Daley, Montreal, Quebec, Canada, assignor to Canadian International Paper Company, Montreal, Quebec, Canada
Application August 24, 1942, Serial No. 456,101
In Canada July 23, 1942
1 Claim. (Cl. 242—68)



A core cap consisting of a one-piece, thin metal shell open at both ends to permit a tool to be passed therethrough for the purpose of engaging the tool with the inner end of the cap to withdraw it from an inserted position within a core, said shell being flanged to provide an outwardly directed core-engaging flange at its outer end and an inwardly directed tool-engaging flange at its inner end, the continuity of the inner flange and the body of the shell being interrupted by slots extending inwardly from the inner end of the shell to points terminating short of the outer end,

the flange at the outer end of said shell being adapted to engage the adjacent end of the core and being of such width as to project beyond the outer surface of the core, the tool-engaging flange at the inner end of the shell being a relatively narrow flange of a uniform width considerably less than that of the outer flange.

2,364,954
WEFT REPLENISHING LOOM
Clifford Darwin, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application October 23, 1943, Serial No. 507,394
16 Claims. (Cl. 139—232)



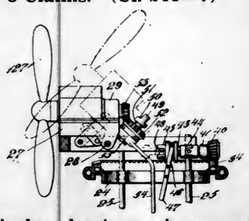
1. In a weft replenishing loom having a plurality of stacks of reserve bobbins and operating with two shuttles one of which is replenished from a group of said stacks and the other of which is replenished from one of said stacks, a selector to register with said stacks one at a time, an actuator for said selector having one position when one of said shuttles is active and having a second position when the other shuttle is active, and positioning mechanism for said selector including a telescopic member operatively connected to the actuator and causing said selector to register with said one stack when the actuator is in said one position, and a stop forming part of said positioning mechanism and having steps, one for each stack in said group, and capable of determining with which stack in the group said selector shall register when the actuator is in said second position and also determining the extent to which the length of said telescopic member shall change from normal length when the actuator moves from said one to said second position.

2,364,955
GOLF BALL
William H. Diddel, Indianapolis, Ind.
Application April 1, 1943, Serial No. 481,385
2 Claims. (Cl. 273—62)



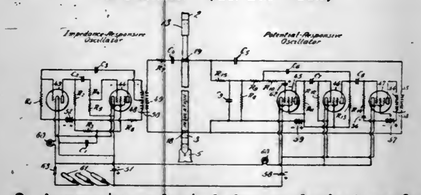
1. A golf ball comprising a spherical body made of a rubber characterized by high mechanical hysteresis loss under impact; and filler material imbedded in the body distributed in regular manner therearound, said filler material being of a frangible nature to break up into a comminuted state upon body impact; said filler material consisting of magnesium oxide.

2,364,956
AIRPLANE
Vincent N. Di Vozzi, Newport, R. I.
Application September 11, 1941, Serial No. 410,418
3 Claims. (Cl. 244—7)



1. In an airplane having main supporting wings rotatable about a vertical axis, a traction propeller for driving said airplane the blades of which normally extend into the path of rotation of said wings, and means for moving said blades out of said path of rotation when said wings are rotated.

2,364,957
ELECTRICAL SURVEYING
Norvel Douglas, New Rochelle, N. Y., assignor to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware
Application August 8, 1939, Serial No. 288,912
9 Claims. (Cl. 175—182)

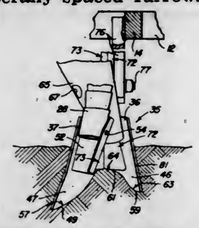


2. Apparatus adapted for geological exploration in bore holes extending from the surface into the earth, including in combination, a drilling tool comprising a drill collar and a drill bit, said collar serving to encase a plurality of oscillators electrically coupled to two terminals, one of said terminals being connected to an exploring electrode insulated from and secured near the end of said tool and the other terminal being connected to the portion of said tool which extends to the surface, means associated with a first one of said oscillators causing the frequency thereof to vary over a first frequency range when said electrode traverses strata having various impedance characteristics, means associated with a second one of said oscillators causing the frequency of said second oscillator to vary over a second frequency range when said electrode traverses strata having various earth-potential characteristics, and means associated with each oscillator preventing oscillating potentials generated by any of said oscillators impressed across said terminals from influencing the frequency of any of said oscillators.

2,364,958
PLANTER
Orville F. Drennan, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application December 23, 1940, Serial No. 371,276
26 Claims. (Cl. 111—80)

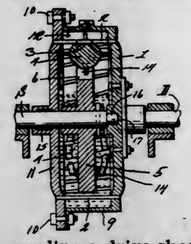
1. In a planter, a combination seed and fertilizer furrow opener, comprising a pair of wings connected together with their rear ends diverging

rearwardly and their lower edges extending generally downwardly and outwardly so as to form a pair of laterally spaced furrows with a ridge



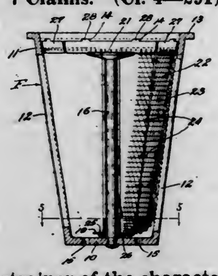
of soil therebetween, and means for depositing seed in one of said furrows and fertilizer in the other.

2,364,959
SHAFT COUPLING
Albert Dunn and Odus C. Eiland, Mount Rainier, Md.
Application September 9, 1942, Serial No. 457,756
4 Claims. (Cl. 192—58)



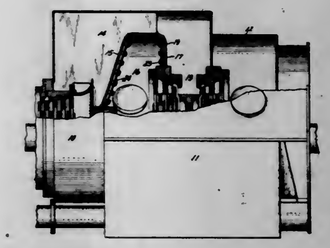
1. Means for coupling a drive shaft and a driven shaft comprising a gear element carried by one of the shafts including an annular series of pins extending lengthwise of the shaft, said annular series of pins being concentric with the shaft, and a series of rotatable members operatively mounted upon the second shaft at points spaced therearound, said rotatable members rotating about axes angular to the axis of the first shaft, said rotatable members having worm grooves in their peripheries in which the pins of the gear element engage, each of said rotatable members being curved from end to end on an arc substantially concentric to the annular series of pins.

2,364,960
SINK STRAINER
Maude Dunn, Birmingham, Ala.
Application March 23, 1944, Serial No. 527,812
7 Claims. (Cl. 4—291)



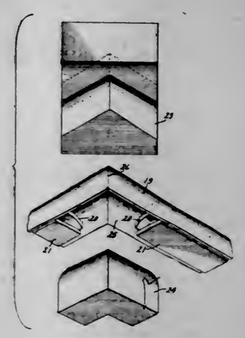
1. A sink strainer of the character stated, comprising a frame having spaced top and bottom members, a mesh bag within the frame and secured at its top to the frame top member, and means for securing the bag in stretched out position in the frame and to the bottom member of the frame.

2,364,961
CONSTRUCTION FOR HEAT-TRANSFER REDUCTION
Clyde Durham, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application May 27, 1941, Serial No. 395,415
5 Claims. (Cl. 154—45)



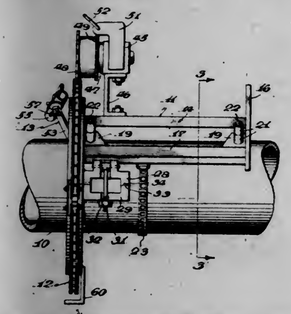
1. The combination of a metallic wall, a sheet of lagging having a plurality of openings, and means for supporting the sheet on and spacing it from the wall, said means comprising a plurality of hollow cylindrical supporting pins, a weld fusing the inside of each pin to the wall, each pin having a shoulder engaging the sheet and the outer end of each pin projecting loosely through an opening and being flared.

2,364,962
METHOD FOR JOINING HOLLOW THERMOPLASTIC ARTICLES
Horace W. Eagles, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application October 27, 1942, Serial No. 463,499
3 Claims. (Cl. 154—42)



1. The method of joining hollow rubber articles comprising the steps of removing portions of each article at the ends to be joined whereby overhanging portions are left at said ends, placing said articles in a mold having matching male and female parts with the overhanging portions to be joined closely adjacent, and vulcanizing the rubber in said overhanging portion to form a joint at said ends.

2,364,963
PIPE BEVELING MACHINE
Bernard V. Elliott, Bartlesville, Okla., assignor to H. C. Price Company, Bartlesville, Okla.
Application April 20, 1943, Serial No. 483,811
3 Claims. (Cl. 308—15)



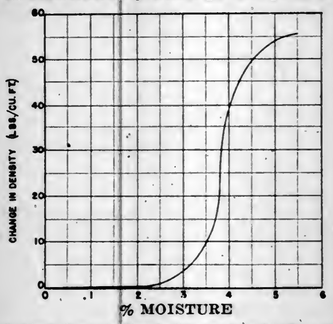
1. In a pipe beveling machine including a two-part ring-like supporting member, rigid bracing members extending laterally from the free ends of said member parts and having interlocking opposed face portions, and detachable securing means carried by said bracing members for clamping said face portions in engagement whereby to rigidly secure said ring parts in alignment.

2,364,964
PROCESS FOR PROTECTING ARTICLES MADE OF LIGHT METALS
Jean Frasch, Clichy, France; vested in the Alien Property Custodian
No Drawing. Application December 14, 1938, Serial No. 245,780. In France December 17, 1937
2 Claims. (Cl. 204—58)

1. A process for protecting an aluminum or an aluminum alloy article against corrosion comprising immersing the article to be protected in a bath consisting of approximately 30 grams of sodium aluminate, 10 grams of sodium silicate and 8 grams of caustic soda per liter of solution having a pH between 8.5 and 12 and then passing between said article serving as an electrode in said bath and another electrode therein an electric current having an initial potential greater than 30 volts.

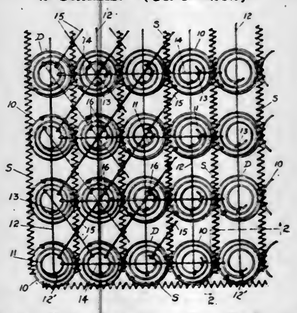
2,364,965
DRY ROSIN SIZE
Edmund A. Georgi, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
Application May 14, 1941, Serial No. 393,485
3 Claims. (Cl. 260—105)

1. The method of preparing a dry resin size which comprises heating a mixture of a resin, said resin being obtained as a by-product in the refining of FF wood rosin to a pale grade of wood rosin and characterized by an acid number from about 100 to about 130, a saponification number from about 140 to about 200, an unsaponifiable content from about 10 to about 20 per cent, a drop melting point from about 85° C. to about 95° C. and a gasoline-insoluble content from about 35 to about 75 per cent, and a substantially chemically equivalent amount of aqueous sodium hydroxide at a temperature between about 375° and about 425° F. and under a pressure between about 125 and about 200 pounds gauge until reaction is substantially complete, discharging the reaction mixture while under said pressure and at said temperature into a zone maintained at substantially atmospheric pressure and



at a relative humidity below about 10 per cent, whereby there is produced a substantially neutral dry resin size having a moisture content below about 3.8 per cent by weight.

2,364,966
SPRING FOR BEDS AND MATTRESSES
Benjamin Gladstone, Lynn, Mass.
Application June 6, 1942, Serial No. 446,092
2 Claims. (Cl. 5—252)

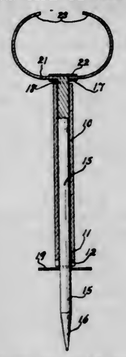


1. In a spring structure for beds and mattresses, individual double cone springs each having the end convolutions larger than the middle ones, means for connecting the large convolutions together in longitudinal rows, means for connecting the smaller convolutions of the springs together in longitudinal rows, means for connecting the smaller convolutions of the springs together in transverse rows, and other means for connecting the smaller convolutions of the springs together in diagonal rows, so that the smaller convolutions act as a unit to take strains which affect any one of them.

2,364,967
YARN WINDING AND HOLDING DEVICE
Jacob Gomberg, Chicago, Ill., assignor to Rose Gomberg, Chicago, Ill.
Application March 7, 1944, Serial No. 525,378
2 Claims. (Cl. 242—136)

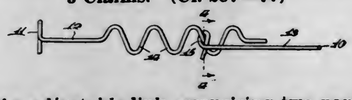
1. A yarn winder and holder of the character disclosed, comprising a resilient clasp for firmly clasping the wrist of the user, a shaft rigidly secured at its lower end to said clasp, a tubular spool sleeve rotatably mounted on said shaft and having at its upper end a notch for the holding therein of an end portion of the yarn to be wound on said sleeve, and a disc frictionally engaging

the upper end portion of said shaft adjacent to the upper notched end of the sleeve to prevent



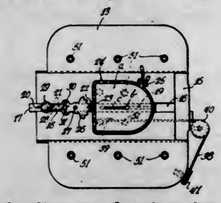
the end of the yarn in said notch from working free from said sleeve.

2,364,968
ADJUSTABLE LINK
Albert J. Gore, Washington, D. C.
Application November 12, 1943, Serial No. 510,083
3 Claims. (Cl. 287—77)



1. An adjustable link comprising two parts one of which includes a series of wave-like bends, and the other having an elongated looped end engaging said bends, which when turned to a position in which when the minor axis of the loop is transverse to the plane of the bends tends to bind thereby to prevent relative movement of the parts in either direction but when the major axis of the loop is in the plane of the bends permits the parts to move freely with respect to each other.

2,364,969
WORK FEED
Benjamin Grob and Theodore Grob, Grafton, Wis.
Original application January 10, 1938, Serial No. 184,164. Divided and this application June 23, 1941, Serial No. 399,282
4 Claims. (Cl. 29—67)



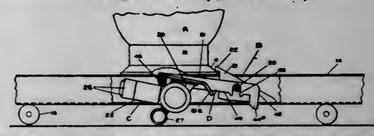
1. A work feeding mechanism for power operated saws and the like, said mechanism comprising a work holder, a carrier guided for rectilinear movement, and an element for applying a feed thrust to the work and moveable with said carrier to feed the work against the saw, said element being rotatable about an axis disposed substantially within the plane of action of said saw and in rolling engagement with said holder to regulate the angular position of said holder and work relative to the saw.

2,364,970
CATALYST PRODUCTION
Marion H. Gwynn, Mountain Lakes, N. J.
No Drawing. Application July 28, 1942, Serial No. 452,635
7 Claims. (Cl. 252—239)

1. The process of producing metal catalysts which comprises reacting a supporting base containing metal of the group consisting of nickel, cobalt, silver, and palladium, with a solution of an acid of phosphorus to form a layer of phosphorus-containing salt of the metal on the base and eliminating the acid radical from the salt to produce a catalytically active layer from said salt layer.

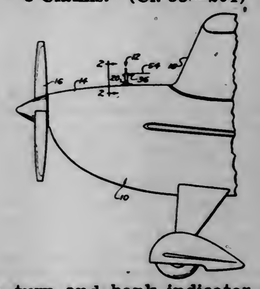
3. The process of reactivating spent catalyst involving a support bearing spent catalytic metal of the group consisting of nickel, cobalt, silver, and palladium, which comprises treating the spent catalyst with a solution of an acid of phosphorus to convert the spent catalytic metal to a phosphorus-containing salt of the metal and decomposing the salt to form oxide of the metal.

2,364,971
CAN TREATING APPARATUS
Emil E. Hageline, Chicago, Ill., assignor to The Lathrop-Paulson Company, Chicago, Ill., a corporation of Illinois
Application January 8, 1941, Serial No. 373,542
14 Claims. (Cl. 141—7)



1. Apparatus for treating cans, comprising conveyor mechanism having reciprocal movement, the movement in one direction being to advance the cans to be treated along a defined path, a pivoted nozzle connected when in projected position with a source of fluid supply, and means carried by said conveyor mechanism for engaging said pivoted nozzle upon movement of said mechanism in said direction, said means being effective upon movement of said mechanism in another direction to turn said nozzle about its pivot into projected position extending into a can which is in treating position on said path.

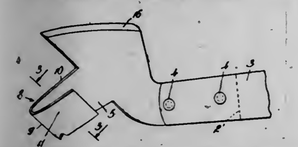
2,364,972
BANK AND TURN INDICATOR
Laurens Hammond, Chicago, Ill.
Application June 20, 1942, Serial No. 447,878
3 Claims. (Cl. 33—204)



1. In a turn and bank indicator for an aircraft, the combination of a forked supporting member adapted to be rigidly secured to an air-

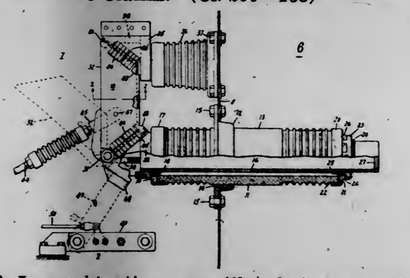
craft in the air stream thereof and wholly externally of the aircraft at a point at which it is visible from the pilot's seat, a gimbal mounted on said member for rotary movement about a normally horizontal axis extending transversely of the aircraft, said gimbal having a thin trailing vane portion normally tending to maintain the gimbal in a generally horizontal plane, and a gyro mounted for rotation in said gimbal, said gyro having surfaces acted upon by the air stream flowing past the aircraft for rotating it at high speed.

2,364,973
TAPPING KNIFE
William O. Hansen, Caracas, Venezuela
Application September 14, 1943, Serial No. 502,288
3 Claims. (Cl. 30—121)



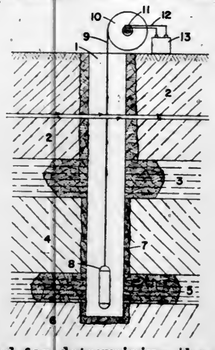
1. In a device of the character described, a blank having an arm extending in one direction, a handle secured thereto, a second arm extending at an angle to the first arm, the second arm being curved upon itself to form a cutting member of substantially U-shaped cross section, one edge of the base of the U forming the cutting edge with the arms of the U diverging slightly from each other from the cutting edge to the opposite edge, and a beak formed on the cutting edge of substantially less width than the width of the base of the U.

2,364,974
SWITCHGEAR
Winton G. Harlow, Upper Darby, Pa., assignor to General Electric Company, a corporation of New York
Application April 5, 1943, Serial No. 481,887
6 Claims. (Cl. 200—168)



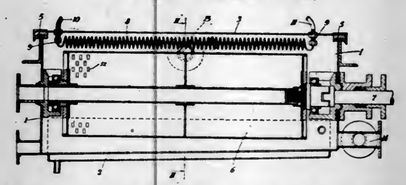
6. In combination, a ventilated stud mounting for establishing an electric current conducting path between two compartments having a common wall comprising a hollow cylindrical insulator extending from one compartment into the other through an opening in said wall and secured thereto to prevent passage of gas from one compartment into the other around the exterior of the insulator, a hollow cylindrical stud having an external diameter materially less than the internal diameter of the insulator, means mounting said stud in said insulator for flow of gas from one compartment and return thereto between the outside of the conductor and the inside of the insulator, means closing the end of the stud in said one compartment to permit flow of gas in the stud only from said other compartment and return thereto, and a disconnecting switch in said other compartment comprising a circuit controlling member pivotally supported on the bushing structure in conductive relation with said stud for movement in a substantially vertical plane, said member being provided with a plurality of lengthwise passages communicating with said other compartment and the opening in said stud when the switch is closed.

2,364,975
DETERMINING PERMEABILITY OF GEOLOGIC STRUCTURES
John J. Heigl and Louis R. Hodell, Tulsa, Okla., assignors to Standard Oil Development Company, a corporation of Delaware
Application December 28, 1939, Serial No. 311,370
6 Claims. (Cl. 250—83.6)



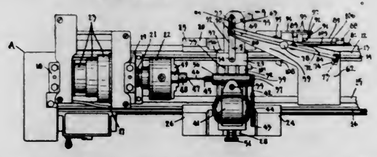
1. A method for determining the permeability of the various strata penetrated by a bore hole comprising the steps of incorporating radioactive material with drilling fluid used in drilling the bore hole and subsequently using an electronic method to determine the concentration of the radio-active material along the bore of the hole.

2,364,976
DEGREASING APPARATUS
Max Heller, London, England
Application December 19, 1941, Serial No. 423,698
In Great Britain January 18, 1941
8 Claims. (Cl. 202—170)



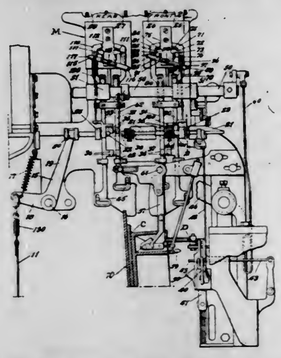
1. In a degreasing apparatus of the kind in which articles to be degreased are subjected to the vapours of a grease-solvent, the combination of an elongated degreasing tank to be permeated by the said vapours, an elongated perforated container for the articles in the degreasing tank, and an elongated condenser disposed in the tank above the container with its axis substantially horizontal and parallel with their long axes, said condenser having means automatically affording without further orientation of the condenser a constantly aligned row of drip points for solvent vapour condensed on its surface.

2,364,977
MACHINE TOOL
William H. Hendel, Minneapolis, Minn.
Application September 25, 1942, Serial No. 459,673
20 Claims. (Cl. 51—35)



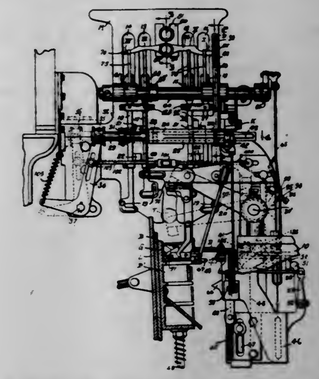
1. In combination, a bed, a carriage, longitudinal guide means for guiding said carriage for longitudinal movement relative to the bed, a work support, a tool support, one of said supports being carried by the carriage and the other of said supports being carried by the bed, transverse guide means for guiding one of said supports for transverse movement relative to the other support, a link, pivot means for pivoting said link at one locality to a part movable with said transversely movable support, pivot means for pivoting said link at another locality, means for restraining transverse movement of said second named pivot means and means operated by the longitudinal movement of the carriage for swinging said link.

2,364,978
BOBBIN SELECTOR MECHANISM FOR WEFT REPLENISHING LOOMS
Victor H. Jennings, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application October 23, 1943, Serial No. 507,410
13 Claims. (Cl. 139—232)



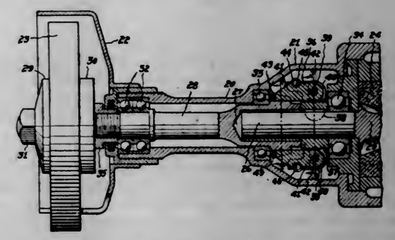
1. In a weft replenishing loom operating with two shuttles which are alternately active and having control mechanism movable to determine which shuttle shall be active, the loom having a pair of stacks of reserve bobbins for each shuttle and a bobbin releaser for each stack, a releaser selector movable to four positions in each of which said selector registers with one of said releasers, two actuators for the selector both under control of said control mechanism and alternately operative to position said selector, depending upon the position of said control mechanism, one actuator acting to move the selector in one direction toward registry with the releasers of one pair of stacks and the other actuator acting to move the selector in the opposite direction toward registry with the releasers of the other pair of stacks, and means cooperating with each actuator when the latter is operative to cause said selector to register first with one releaser and then with the other releaser of the associated pair of stacks.

2,364,979
BOBBIN STACK SELECTOR
Victor H. Jennings and Walter H. Wakefield, Worcester, Mass., assignors to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application January 29, 1944, Serial No. 520,264
19 Claims. (Cl. 139—232)



1. In a weft replenishing mechanism having a plurality of bobbin stacks each provided with a bobbin releaser operated by a selector registerable with the releasers, one at a time, the mechanism having means urging the selector in one direction, a stop which when in one position and when the selector registers with and operates one releaser tends to move to a second position wherein said stop can cooperate with said means to register the selector with a different releaser, said selector when registering with said one releaser preventing movement of said stop to said second position, and means having a movement incident to a replenishing operation of said mechanism moving said selector away from said stop to permit the latter to move to said second position.

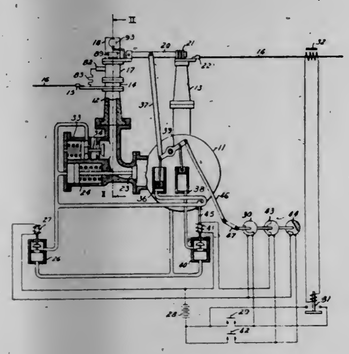
2,364,980
SAFETY DEVICE
Francis A. Jimerson, Athens, Pa., assignor to Ingersoll-Rand Company, New York, N. Y., a corporation of New Jersey
Application September 5, 1942, Serial No. 457,445
3 Claims. (Cl. 192—104)



1. A safety device, comprising rotary driving and driven members, clutch elements carried by

the driving member to interlockingly engage the driven member and being operated by centrifugal force for moving the clutch elements out of engagement with the driven member, pivots in the driving member for the clutch elements, and a common retainer encircling the driving member interlockingly engaging the clutch elements and the driving member for holding all the clutch elements normally in engaging position and yielding to the centrifugal force of the clutch elements at a predetermined rate of speed of the members for permitting the clutch elements to move out of engagement with the driven member.

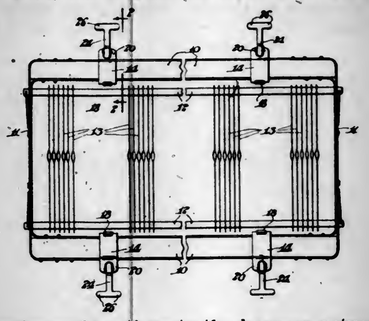
2,364,981
ELECTRIC CIRCUIT BREAKER AND METHOD OF OPERATING THE SAME
Didier Journeaux, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application May 16, 1942, Serial No. 443,259
25 Claims. (Cl. 200—148)



1. An electric circuit breaker comprising cooperating arcing contacts, cooperating main contacts connected in parallel with said arcing contacts, means operable by fluid under pressure acting on one of said arcing contacts for simultaneously actuating said arcing contacts and one of said main contacts to maintain said arcing contacts closed under pressure while opening said main contacts a predetermined extent, and means operable by fluid under pressure for continuing the action of the other one of said arcing contacts and of said one of said main contacts for opening said arcing contacts and for opening said main contacts beyond said predetermined extent.

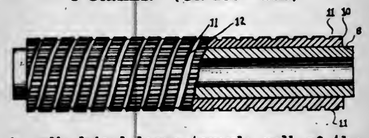
2,364,982
LOOM HARNESS
John Jacob Kaufmann, Elkins Park, Pa., assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application October 30, 1943, Serial No. 508,318
8 Claims. (Cl. 139—92)

1. A loom harness connector comprising a device mounted on the rail of a heddle frame comprising side members engaging the side faces of the heddle frame rail, and a saddle member shaped complemental to and engaging the inner edge surface of the heddle frame rail, said saddle member being in detachable engagement with the inner end portions of the side members, said side members having projecting portions at their outer ends, and means for detachably securing



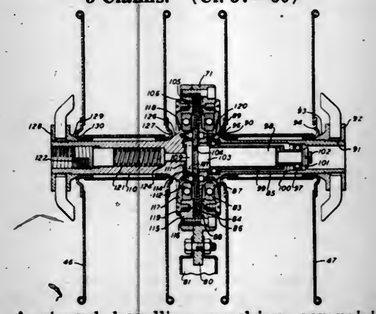
said outer end portions to the harness actuating mechanism.

2,364,983
LOOM TEMPLE ROLL
Alfred Lagasse, Weymouth, Mass.
Application March 6, 1943, Serial No. 478,199
8 Claims. (Cl. 139—296)



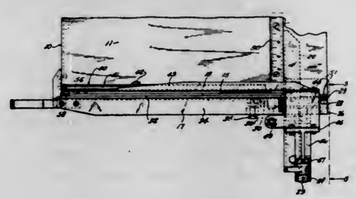
1. A cylindrical loom temple roll of the type described having a helical groove forming a helical thread, said thread being recessed at intervals leaving teeth having surfaces which are part of the cylindrical surface of the temple roll.

2,364,984
STRAND HANDLING MACHINE
Elmer J. Larsen and Oscar G. Nelson, Baltimore, Md., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application July 23, 1942, Serial No. 452,027
5 Claims. (Cl. 57—60)



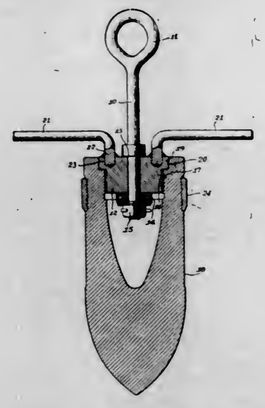
1. A strand handling machine comprising a pair of supply reels for strands, a support therefor, means to advance the strands to withdraw the strands from their reels and thus cause rotation of the reels in opposite directions, braking means interposed between the reels to create equal tensions on the advancing strands, an enclosed cylindrical hollow head mounted for rotation relative to the support, and means in the head to guide the advancing strands and twist them together.

2,364,985
CUTTING MACHINE
Alfred Laukhuff, Milwaukee, Wis.
Application July 16, 1942, Serial No. 451,100
4 Claims. (Cl. 164—45)



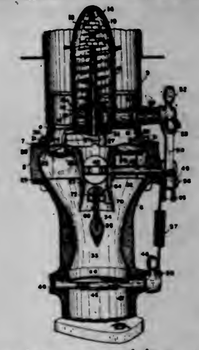
1. A cutting machine comprising a cutting table, a fixed knife secured thereto, a support projecting outwardly from the table adjacent the fixed knife, an outboard bearing carried by said support, a cutter shaft rotatably supported in said outboard bearing, the inner end of the shaft terminating in spaced relation to the fixed knife, and a movable knife mounted on the inner end of the cutter shaft and disposed in cooperative relation to the fixed knife, in combination with a work clamp disposed in parallel relation to said knives and in cooperative relation to the table, and a support for the work clamp carried by the cutter shaft and overhanging the inner end of the fixed knife.

2,364,986
WORK HANDLING APPARATUS
Hugh Law, Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania
Application June 16, 1943, Serial No. 491,017
2 Claims. (Cl. 91—60)



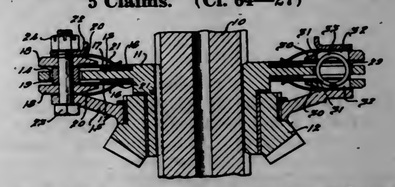
2. Apparatus for supporting open-ended articles during painting thereof comprising a hanger having means at one end for easy attachment to and detachment from a conveyor, an article supporting member rotatably mounted on said hanger, means for securing the open end of an open-ended article to said member so as to close said end against ingress of liquid, and a handle bar extending outwardly from said member for imparting rotation thereto.

2,364,987
ATOMIZER FOR CARBURETORS
Harry F. Lee, Grand Junction, Colo.
Application March 29, 1943, Serial No. 480,946
3 Claims. (Cl. 261—78)
(Granted under the act of March 3, 1883 as amended April 30, 1928; 370 O. G. 757)



2. An atomizer comprising a tube through which gas passes, and an atomizing jet positioned in the tube, said jet comprising a jet-stem provided with a liquid inlet passage communicating near its one end with laterally extending outlet ports, a semispherical shaped cap-piece screw-threaded onto the port end of the jet-stem with its rounded surface positioned toward the incoming stream of gas and provided with a radially grooved seating ring on its other surface, said cap-piece and jet-stem being constructed to form a chamber communicating with the outlet ports and with the grooves in the seating ring, a plate clamped between a shoulder on the jet-stem and the seating ring for receiving liquid from the grooves and distributing it radially outwardly, and a cup having a thin cylindrical wall and forming a resonance chamber secured to the jet-stem with the rim of the cup concentric with the edge of the cap-piece and positioned slightly radially outwardly therefrom, thus forming a narrow gap through which the liquid passes into the gas stream, whereby the gas stream impinging upon the rim is set into a vibrating wave and thereby shatters the liquid into a very fine state of subdivision.

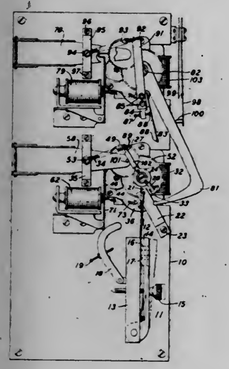
2,364,988
DRIVE MECHANISM
Forest R. McFarland, Huntington Woods, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application November 30, 1942, Serial No. 467,293
5 Claims. (Cl. 64—27)



1. In a drive mechanism, a driving disk having arcuately extending openings therethrough, a driven disk, friction rings adjacent opposite faces of the driving disk, flexible plates outside of the friction rings, clamping rings outside of the plates having relieved inner portions in the faces adjacent the plates into which the plates can be flexed,

spring disks outside of the clamp rings bearing against the plates to engage the friction rings with the driving disk, spacer means between the plates and extending through the openings in the driving disk, a retainer ring outside of one of the spring disks, the other spring disk being adjacent the driven disk, and bolts extending through the spacers, the retainer, the driven disk, the spring disks, the clamp rings and the plates to secure them together.

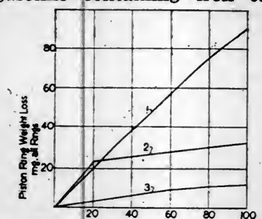
2,364,989
MATERIAL FORMING APPARATUS
Rudolph F. Mallina, Hastings on Hudson, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 26, 1941, Serial No. 420,503
11 Claims. (Cl. 153—15)



1. A straightening machine comprising a support, means on said support for holding a deformed flexible member, an alignment indicator on said support, said member having a free end for alignment with said indicator, a rotatable quantitative lever measuring the amount of deformation in said member, said lever comprising an adjustable contact arm contacting the free end of said member and a second contact arm in continuation of said first-mentioned arm, a rotatable bending lever deforming said member oppositely the amount predetermined by said quantitative lever, said bending lever comprising a crank bending said member and a resilient arm contacting said second contact arm to stop the travel of said crank, and electrical control means automatically operating said levers, whereby upon release of said levers said spring is aligned with said indicator.

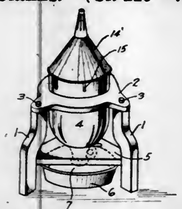
2,364,990.
BREAK-IN FUEL AND METHOD FOR BREAKING IN INTERNAL-COMBUSTION ENGINES
William Morris Malott, Lafayette, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Original application August 3, 1943, Serial No. 497,250. Divided and this application February 2, 1944, Serial No. 521,001
6 Claims. (Cl. 123—1)

1. In a method for breaking in spark-ignition engines, the step comprising operating an engine for a period of at least approximately one hour and not more than approximately twenty hours with a gasoline containing iron carbonyl in



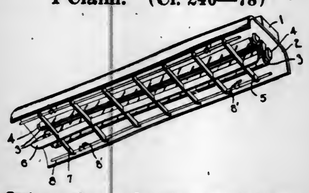
amounts insufficient materially to raise the antidetonation value of said gasoline.

2,364,991
WATERING DEVICE
Nicholas J. Marshall, New Bremen, Ohio
Application August 4, 1942, Serial No. 453,535
7 Claims. (Cl. 119—77)



1. A chicken watering fountain or the like, wherein an inverted small mouth jug is employed as a reservoir, a supporting frame including vertical spaced legs, an annular band connecting the legs of their tops and surrounding the reservoir jug, and a polygonal shelf interconnecting the legs in spaced relation with their lower ends and having therein a centrally disposed key hole slot to receive the neck and conventional ring handle of the jug, the spacing of the legs and proportioning of the polygonal shelf being such as to afford access to segmental portions of a round tray positioned between the legs beneath the shelf and projecting therebeyond at spaced intervals.

2,364,992
LAMP FIXTURE
René G. Maurette, Beverly, Mass., assignor to Sylvania Electric Products Inc., Salem, Mass., a corporation of Massachusetts
Application March 29, 1943, Serial No. 481,040
1 Claim. (Cl. 240—78)



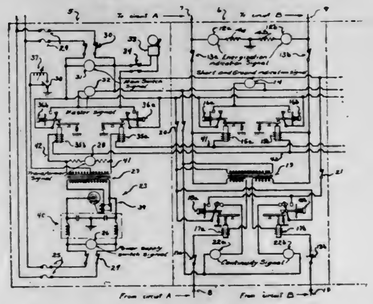
In a fixture for a luminescent lamp, a main body; an elongated channel-like reflector mounted on said body; link units mounted on said reflector, within the channel and spaced from the side edges thereof; and a light baffle louvre hung from said reflector by said link members and positioned across and along the elongated mouth of said channel; said link units each comprising a mounting plate curved to the contour of the reflector channel and having a rolled lower edge

in the form of a loop, and a link wire having a top portion mounted in said loop to form a hinge therewith and continuing from each end of said loop first downwardly, then forwardly, from there straight downward, rearward and up, and terminating in parallelism with said hinge.

2,364,993
PROCESS FOR BLACKENING COPPER OR COPPER ALLOY SURFACES
Walter R. Meyer, Hamden, Conn.
No Drawing. Application December 29, 1942, Serial No. 470,510
3 Claims. (Cl. 148—6)

1. The process of producing a black surface on copper or copper alloy articles which comprises immersing the surface in a hot aqueous solution consisting essentially of an alkali selected from the group consisting of sodium hydroxide and potassium hydroxide and a chlorite selected from the group consisting of sodium chlorite and potassium chlorite.

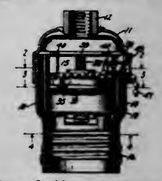
2,364,994
ELECTRIFIED FENCE INSTALLATION
Sidney A. Moore, Milwaukee, Wis., assignor to The Prime Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin
Application August 3, 1942, Serial No. 453,379
8 Claims. (Cl. 177—314)



1. In an electrified fence installation: a bare wire strung as a fence barrier but insulated from ground and constituting part of a closed loop; means for charging the wire with high voltage electricity; a signal for indicating grounding of and/or a break in the loop including the fence wire; a series relay operable to control the signal included in the connection between the charging means and the fence wire for setting the signal in operation in the event of grounding of the fence wire; a second series relay operable to control the signal and connected in series with the loop including the fence wire to render the signal operative in the event of a break in said loop; and current supply means connected in series in said loop for energizing said second series relay as long as the loop is unbroken.

2.364.995
PULL CHAIN SOCKET
Adolf G. Mueller, Fairfield, Conn., assignor to General Electric Company, a corporation of New York
Application February 24, 1943, Serial No. 476,921
5 Claims. (Cl. 200—65)

1. Pull chain socket comprising an insulating base forming a switch chamber with a centrally disposed stud therein and a plurality of circumferentially spaced inclined cam surfaces around the stud, a pair of stationary contacts secured to diametrically opposite cam surfaces, a rotatable switch member on the stud having a pair of diametrically opposite feet for engaging in one position said contacts and in another position a pair of insulating cam surfaces, and means for actuating the rotatable switch member including a snuffing cup rotatably mounted on the stud and having cam surfaces forming a ratchet connection with the rotatable switch member, the cup forming a chamber to enclose the movable contacts to reduce the formation of arcs during operation.

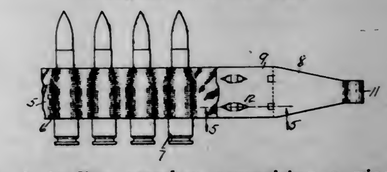


2,364,996
ENCASED RESISTOR UNIT
Clark M. Osterheld, Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill., a corporation of Delaware
Application January 22, 1943, Serial No. 473,169
4 Claims. (Cl. 201—67)



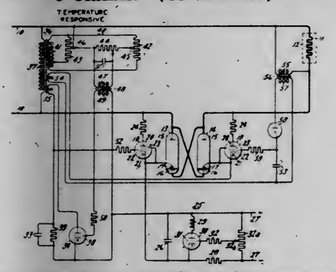
1. An encased electric heating unit comprising an outer tubular casing and a metallic resistor conductor loosely positioned therein, of helical coil shape, the surface of said resistor conductor having thereon an inorganic, integral, heat-conducting, high temperature-resisting and electric-insulating coating and the outer diameter of the helical coil being appreciably less than the inner diameter of the casing.

2,364,997
MACHINE GUN CARTRIDGE BELT
John A. Otterbein, Middletown, Conn.
Application September 14, 1942, Serial No. 458,186
2 Claims. (Cl. 24—143)



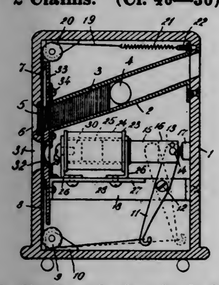
1. A feeding member comprising a piece of material doubled crosswise to form a loop at one end and arms extending from said loop in substantially parallel relation, and a pair of prongs stamped out from openings arranged in line extending lengthwise of the feeding member in one of said arms and through the material of a member to be fed and through openings in the opposite arm, said openings being of the same shape as that of the prongs to receive the latter when positioned in said openings.

2,364,998
ELECTRIC CONTROL CIRCUIT
Harry L. Palmer, Schenectady, and Elbert D. Schneider, Scotia, N. Y., assignors to General Electric Company, a corporation of New York
Application August 13, 1941, Serial No. 406,598
9 Claims. (Cl. 250—27)



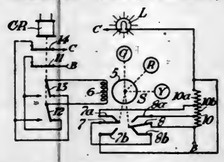
1. In combination, an alternating current supply circuit, a load device having a condition to be controlled, electric translating apparatus interconnecting said circuit and said device including reversely connected electric valve means having a control member, a control circuit for controlling the energization of said control member for maintaining said load device energized for a predetermined number of cycles of said alternating current circuit and deenergized for a predetermined number of cycles of said alternating current circuit for a given value of said condition, and means responsive to variations in said condition for varying in opposite directions the number of cycles that said load circuit is energized and deenergized to maintain a predetermined characteristic of said condition.

2,364,999
DISPLAY DEVICE
Frank Parr and Elmer Parr,
Mountain Lake, Minn.
Application December 27, 1941, Serial No. 424,591
2 Claims. (Cl. 40—36)



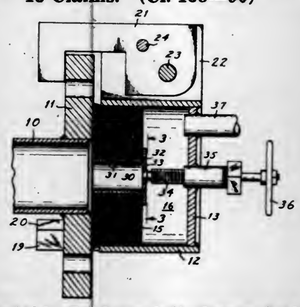
1. A card display device including a casing, having an observation opening in the front member thereof, to display the first of a stack of movable cards therein, an inclined receptacle for the cards, mounted in said casing, and terminating at one end of said opening, a weight in the receptacle effective to advance the cards as a group towards the opening, a slide member, mounted to slide on the surface of the front member, and having an aperture therein, to receive the first card of the stack and holding the same in front of said observation opening, a solenoid device to actuate the slide member, whereby the first card is removed from observation, including a cable secured to the slide member at its lower end and a lever connecting the cable to said solenoid device.

2,365,000
LIGHT SIGNAL
George R. Pflasterer, Greenville, Pa., assignor to The Union Switch and Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application October 28, 1942, Serial No. 463,658
5 Claims. (Cl. 177—327)



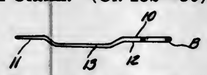
1. In combination with a light signal comprising a plurality of differently colored filters having different coefficients of transmission and light emitting means having a single light source for projecting a beam from said source through one or another of said filters, means for selecting the filter through which said beam is projected, and means governed by said last-mentioned means for varying the intensity of said light emitting means according to the color filter selected whereby to provide beams of different colors each having a substantially uniform intensity.

2,365,001
FLUID CONDUIT CLOSURE
Ralph O. Powers, Portland, Oreg.
Application November 13, 1943, Serial No. 510,244
13 Claims. (Cl. 138—90)



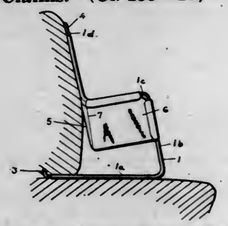
4. A portable fluid conduit closure including a housing defining a piston chamber therein, a piston in said chamber, means on said housing for engaging the conduit exterior and securing said housing to the end of said conduit, a passage through said piston providing communication between the interior of said conduit and the piston chamber on the opposite side of said piston, and means on said housing for urging said piston into initial engagement with the end of said conduit.

2,365,002
PIN FOR SECURING CURLS
William M. Reger, Jr., and Phyllis C. Reger,
Saginaw, Mich.
Application May 3, 1943, Serial No. 485,542
1 Claim. (Cl. 132—50)



A hair pin of the character described comprising, a single, flat body tapered from end to end and of a length sufficient to span a pin curl, a flat head on the pin, an elongated offset section intermediate the length of the pin and adapted to lie beneath the hair within the coiled curl opening, the opposite ends of the pin overlying and pressing against the coiled curl to secure it in coiled position.

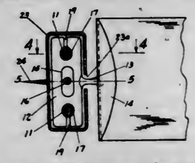
2,365,003
COLLAPSIBLE SEAT
William H. Reinholz, Irondequoit, N. Y.
Application July 1, 1940, Serial No. 343,345
7 Claims. (Cl. 155—11)



1. A seat having a frame comprising two side members each bent to form a base and two uprights with a horizontal member between the uprights, U-shaped means at each end of the side members making telescoping engagement with the ends of the side members and holding them in fixed relation to each other.

7. In a child's seat for disposition on an automobile seat, the combination of: a flat back frame; a seat; legs; and a base projecting substantially to the rear of the plane of said back, said child's seat being formed for insertion of said base between the back and seat sections of said automobile seat, and said base including a cross tie bar at its rear end offset vertically from the general plane of said base for indentingly engaging the upholstery of one of said back and seat sections for preventing forward displacement of the child's chair relative to the automobile seat.

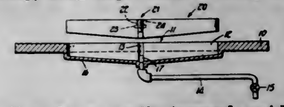
2,365,004
VENETIAN BLIND
Adelbert F. Rice and Albert E. Rice,
Cleveland, Ohio
Application April 10, 1943, Serial No. 482,640
4 Claims. (Cl. 160—177)



3. As a new article of manufacture, a Venetian blind slat, and a tilt member applied to each end of said slat and comprising a body elongated in the direction of the width of the slat, and tilt cords frictionally interengaged with opposite ends of the body of the tilt member to immovably connect therewith, for imparting tilting action to the tilt member.

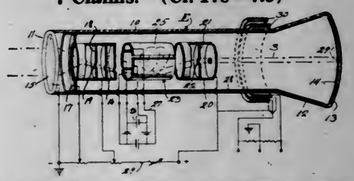
2,365,005
DECORATIVE TABLE TOP
Beatrice W. Rice, New York, N. Y.
Application December 9, 1943, Serial No. 513,543
4 Claims. (Cl. 211—1)

1. In combination, a table top having a central depression following a predetermined ornamental pattern and adapted to contain table decorations, said depression being adapted to contain water, and having a drain opening at the bottom, means for controlling drain flow from said opening, said depression having its bottom



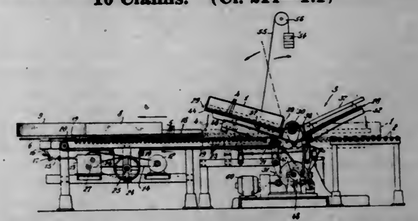
walls slanting downwardly towards said opening, and an insert adapted to be set in said depression to block up at least a portion of said depression, said insert when set in said depression having its upper surface substantially flush with the upper surface of said table top.

2,365,006
CATHODE RAY TUBE AND LIGHT BEAM CONTROL MEANS
Robert Eugene Ricketts, Plainfield, N. J.
Application July 24, 1942, Serial No. 452,221
7 Claims. (Cl. 178—7.5)



1. A cathode ray-tube including a source of primary electrons, a first anode adjacent said source and a second anode, means for generating secondary electron emission comprising a cylindrical unit interposed between the first and second anodes and arranged to have the electron beam from the primary source directed therein to and against the inner wall thereof, said unit consisting of metal having the capacity to emit electrons under electronic bombardment, said cylindrical unit being longitudinally divided to form a number of spaced parallel plates, and means for applying an electrical potential to said plates to set up an electrostatic field therebetween.

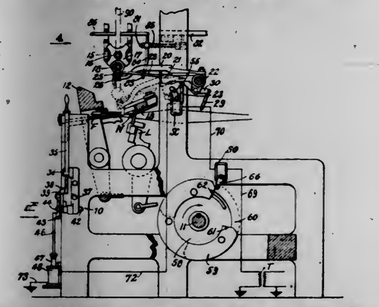
2,365,007
CAN-HANDLING MACHINE
Arthur E. Rideout, Chicago, Ill., Malcolm McFaull, Jackson Heights, N. Y., and Ludwig Wimmer, Middletown, Conn., assignors to Standard-Knapp Corporation, Portland, Conn., a corporation of New York
Application April 27, 1942, Serial No. 440,637
10 Claims. (Cl. 214—1.1)



2. In an apparatus for inverting can trays, a tray-supporting member and a can-receiving member hinged together along adjacent margins in such a way as to permit them to be folded into parallel relation to enclose a loaded tray between them and adapted to be unfolded sub-

stantially into alinement with one another, means for swingably supporting said members, a crank shaft, a pair of cranks fixed to said shaft each operatively connected with one of said members to cause said members to swing simultaneously toward or away from one another on said supporting means, and counterbalancing means operatively connected to one of said members and operating through said crank shaft to counterbalance the other of said members whereby both members are balanced during both their opening and closing movements.

2,365,008
ELECTRIC STOP MOTION FOR AXMINSTER LOOMS
Walter Y. Robb, Whitinsville, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application April 15, 1944, Serial No. 531,233
9 Claims. (Cl. 139—336)



1. In an Axminster loom having a tube frame transfer arm which moves downwardly during a transfer period in the loom cycle, electromagnetic loom stopping mechanism operative when energized to stop the loom, a normally open electric switch, a normally closed electric switch normally opened at a given point in said period by said transfer arm as the latter moves to tuft forming position, means operative subsequent to said point in the transfer period to close said normally open switch, and electric means operative when both of said switches are closed to energize said electromagnetic stopping mechanism.

2,365,009
MOTOR FUELS
Anthony E. Robertson, New York, N. Y., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 19, 1940, Serial No. 370,787
11 Claims. (Cl. 44—53)

1. A motor fuel combining desirable properties of quick-starting and low vapor locking tendency for use in high-compression spark-ignition engines, comprising ½ to about 1 part by volume of 3 to 5 carbon atom hydrocarbons containing no more than two double bonds in the molecule blended with from 6 to 9 parts by volume of 1 to 5 carbon atom alkanols and with sufficient water up to 3 parts by volume to substantially raise the vapor pressure of the hydrocarbon-alkanol mixture to at least 5 lbs./sq. in. (Reid), the combined parts by volume of the alkanols and of the water blended with the hydrocarbons being at least in the ratio of 9 to 1 and less than about 10% of the total fuel volume being hydrocarbons.

2,365,010
DISPLAY SCREEN FOR PICTURES AND THE LIKE
Harry George Rogers, Wellington, New Zealand
Application June 30, 1941, Serial No. 400,527
In New Zealand July 2, 1940
4 Claims. (Cl. 88—28.90)

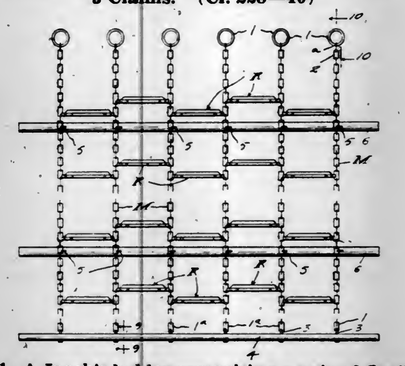


1. An improved display screen comprising, a thickness of transparent material, a background of dark material, and a smooth unbroken coat of translucent material at the front of the transparent material disposed at right angles to a beam of light projected on said screen.

2,365,011
LUBRICANT COMPOSITION
Raphael Rosen, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application September 6, 1941, Serial No. 409,831
2 Claims. (Cl. 252—39)

1. A lubricant comprising a major proportion of a mineral oil base stock and 0.02% to 2.0% of the barium salt of oleyl ester of carbonic acid.

2,365,012
JACOB'S LADDER
Edward J. Schneider, Bellerose, N. Y.
Application April 13, 1943, Serial No. 482,911
3 Claims. (Cl. 228—40)



1. A Jacob's ladder comprising a pair of flexible suspending members and rungs located therebetween, each of said rungs comprising a metallic channel member having side walls provided with inwardly disposed flanges therealong, and a wooden body having grooves extending along its side faces, said body sliding into the channel member with the flanges engaging within the grooves of the body member, end plates, means for securing the end plates and the channel member to each other and to the body member, and means carried by the end plates to engage the flexible members.

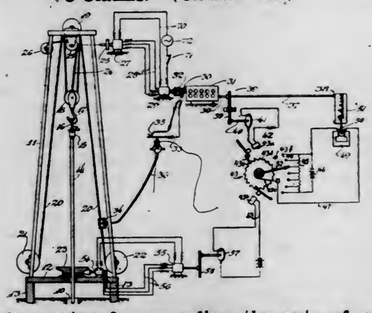
2,365,013
LOOP-FORMING NEEDLE
Francis W. Sharkey and Frederick J. Redcliffe, New York, N. Y.
Application November 5, 1943, Serial No. 509,132
5 Claims. (Cl. 112—80)

1. In a machine for making hooked rugs and similar fabrics, a reciprocated needle and a reciprocated looper, a driven shaft and eccentric connections between said shaft and the needle and looper by means of which said needle and looper are reciprocated with a relative movement to one another, and a lost-motion pin-and-slot



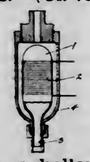
connection between the looper and its reciprocating means by which said looper is caused to pause in its reciprocating movement to retain a formed loop during retracting movement of the needle.

2,365,014
APPARATUS FOR DRILLING RATE LOGGING
Daniel Silverman and Robert W. Stuart, Tulsa, Okla., assignors to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware
Application July 25, 1940, Serial No. 347,569
3 Claims. (Cl. 234—1.5)



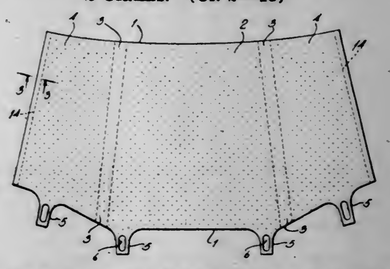
1. Apparatus for recording the rate of penetration of a drill bit through formations penetrated in the course of a rotary drilling operation per unit number of revolutions of said bit, including means for advancing a record strip proportional to the descent of said drill bit, means for producing a series of electric impulses in direct proportion to the number of revolutions of said drill bit, means actuated by descent of said drill bit for producing an electric current varying directly in average amplitude with the descent of said drill bit, means for recording on said strip a quantity varying directly with said current, and means controlled by said impulse producing means for periodically limiting the recorded amplitude on said strip.

2,365,015
FLUID PRESSURE GAUGE
Edward E. Simmons, Jr., Pasadena, Calif.
Original application February 23, 1940, Serial No. 320,327, now Patent No. 2,292,549, dated August 11, 1942. Divided and this application January 7, 1942, Serial No. 425,914
5 Claims. (Cl. 73—88)



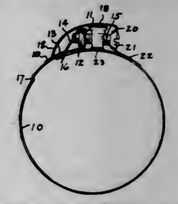
1. In combination, a hollow member adapted to be subjected to fluid pressure, and a continuous solid filament of electrical conducting material whose electrical resistance varies with its strain, said filament being bonded throughout its effective length to said member so as to be directly responsive to strains therein caused by pressure within the member whereby the pressure is measured with minimum inertia effects.

2,365,016
GIRDLE OR THE LIKE
Abraham N. Spanel, New York, N. Y.
Application March 28, 1942, Serial No. 436,553
6 Claims. (Cl. 2—43)



1. In a garment adapted to be so worn as to substantially conform to a portion of the wearer's body, a body portion consisting of pliable and somewhat elastic thermoplastic film material formed with small perforations distributed thereover, and an inner layer of stretchable fabric material extending over the body areas and securely bonded to said film material, the interstices of the fabric areas communicating with said perforations and thus affording ventilation and the fabric covering the inner edges of the perforations, thereby preventing such edges from marring the wearer's skin.

2,365,017
HOSE CLAMP
Verner E. Sprouse, Columbus, Ind.
Application August 20, 1943, Serial No. 499,370
5 Claims. (Cl. 24—19)



4. A hose clamp comprising in combination an encircling strap; an outturned abutment on one end portion of the strap including a screw-threaded part; a housing secured to the other end portion of said strap and covering said abutment; a wall in said housing outturned from said strap and having a hole therethrough; a bolt through said hole screw-threadedly engaging with said abutment screw-threaded part; a shoulder on the bolt revolubly engaging about the margin of said hole; a bearing member carried by said housing to limit the rocking of the housing toward said abutment when said bolt is drawn up in said screw-threaded part; said abutment comprising an end portion of said strap bent outwardly and thence looped around and back down against and secured to said strap; said screw-threaded part consisting of a nut positioned within said loop against said abutment;

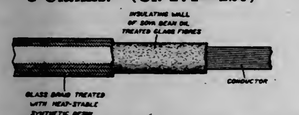
said bearing member consisting of a foot slidingly resting on said strap beyond said abutment.

2,365,018
DRIVING MECHANISM
Frederick O. Stebbins, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application October 1, 1943, Serial No. 504,581
6 Claims. (Cl. 74—315)



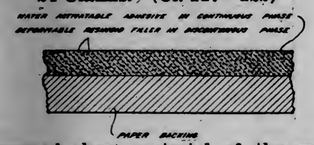
1. A drive mechanism including a differential gearing having a ring gear, a plurality of planet gears rotatably mounted on said ring ring, a driving gear arranged to drive said planet gears through said ring gear, a driven gear arranged to be driven by said planet gears, electro-magnetically controlled brake means mounted on said ring gear for exerting a braking force on all of said planet gears for substantially assuring the drive of all of said driven gears and for substantially releasing said planet gears above a predetermined load on said gears, and means including a current collector carried by said ring gear for supplying electrical energy to said electromagnetically controlled brake means.

2,365,019
INSULATED ELECTRICAL CONDUCTOR
Howard J. Stewart, York, Pa., assignor to General Electric Company, a corporation of New York
Application June 9, 1942, Serial No. 446,325
3 Claims. (Cl. 174—120)



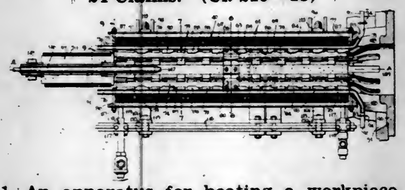
1. An insulated electrical conductor comprising a metallic conductor, an insulating wall of glass fibres surrounding said conductor, said glass fibres being coated and impregnated with a heat-set soya bean oil, a glass braid over said insulation wall and a baked, heat-stable synthetic resin coating and impregnant on said braid.

2,365,020
GUMMED SHEET MATERIAL
Charles W. Stillwell, Framingham, Mass., assignor to Dennison Manufacturing Company, Framingham, Mass., a corporation of Massachusetts
Application January 13, 1943, Serial No. 472,285
24 Claims. (Cl. 117—122)



1. Gummed sheet material of the water-remoistenable type comprising a backing and on one side of the backing an exposed dry coating of water-activatable adhesive in continuous phase and a deformable resinoid filler in discontinuous phase, the ratio of adhesive to filler being approximately two to one.

2,365,021
ELECTRIC FURNACE MACHINE
Harold A. Strickland, Jr., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania
Original application March 21, 1941, Serial No. 384,503. Divided and this application September 18, 1941, Serial No. 411,297
24 Claims. (Cl. 219—13)



1. An apparatus for heating a workpiece by electromagnetic induction comprising an inducing coil, and work supporting means within said coil comprising longitudinal passages for coolant circulation angularly spaced from each other, and projections of high heat resistant material from each such coolant passage, extending inward for cooperation with a workpiece, and longitudinally spaced apart along each coolant passage to reduce the tendency for longitudinal expansion of the heated inner portion of said projections to cause flexure and distortion.

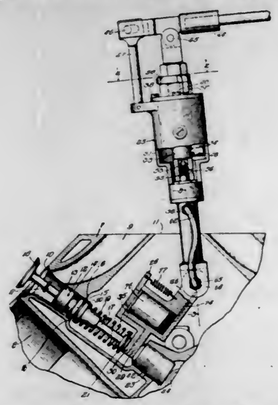
2,365,022
CLEANER FOR SOLDERING IRONS
Antoinette Sturtevant, Forest Park, Ill.
Application October 23, 1943, Serial No. 507,387
2 Claims. (Cl. 15—210)



1. In a device of the character described, soldering iron tip cleaning means comprising, a tubular element having a substantially conical closed end, a cap element secured to the open end of said tubular element provided with a funnel-shaped portion leading to a central opening to receive the tip of said soldering iron, and abrasive means packed within the said tubular means.

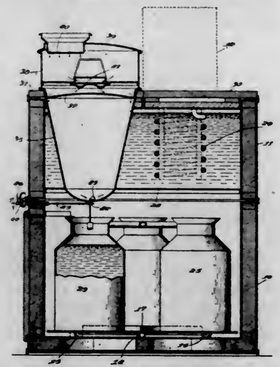
2,365,023
DEVICE FOR DISLODGING VALVE ASSEMBLIES OF INTERNAL-COMBUSTION ENGINES
Asa J. Taylor, Zion, Ill., assignor to T. C. M. Manufacturing Company, a corporation of Illinois
Application June 14, 1943, Serial No. 490,730
3 Claims. (Cl. 29—214)

1. A device for loosening and removing a valve guide of a valve assembly from its position in an internal combustion engine, by pressure applied to the end of the valve stem of said assembly, comprising, pressure applying shoes adapted for insertion in a position between the lower end of the valve stem and a relatively stationary part of the engine, one of said shoes being constructed for engagement with said relatively stationary part and the other thereof having a plate portion for engagement under the end of the valve stem,



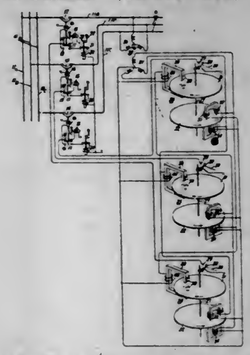
means mounting said shoes for relative straight-line movement for exerting force on the end of the valve stem for forcing the assembly outwardly, and hydraulic means for causing said relative movement.

2,365,024
MILK COOLER
Chester A. Thomas, Crystal Lake, Ill., assignor to Babson Bros. Co., a corporation of Illinois
Application March 31, 1941, Serial No. 386,175
7 Claims. (Cl. 31—4)



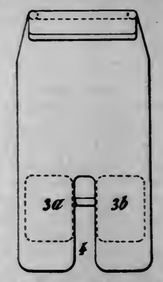
1. A milk cooler of the character described, comprising a unit including: a lower housing portion having its side and bottom walls heat insulated, and adapted to store a plurality of milk containers; an upper portion having its side and top walls heat insulated and its bottom heat conductive, said upper portion constituting a storage tank for a considerable quantity of liquid, the liquid being adapted to keep the lower portion cool by heat transfer through said bottom; means for keeping said liquid cold; and means for delivering fresh milk to one of the containers, said means having a substantial portion thereof disposed in the liquid and effecting a heat exchange between the milk and the liquid to rapidly cool the milk.

2,365,025
PROTECTIVE SYSTEM
Oliver C. Traver, Drexel Hill, Pa., and Andrew J. McConnell, Albany, N. Y., assignors to General Electric Company, a corporation of New York
Application February 11, 1943, Serial No. 475,492
13 Claims. (Cl. 175—294)



1. In a polyphase circuit having a single pole circuit breaker in series with each phase conductor of said circuit, means for effecting the opening of each breaker in response to a ground fault involving only the associated phase conductor comprising an electroresponsive device for each phase conductor of said circuit, each including a movable element, means for energizing each of said electroresponsive devices from said circuit so as to produce a torque on said movable element substantially proportional to the area of the triangle determined by two vectors having a common origin representing two predetermined voltage quantities of said circuit, and an opposing torque substantially proportional to a function of a voltage quantity of said circuit, so that only the circuit breaker associated with the faulted conductor is operated.

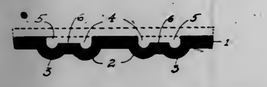
2,365,026
SEAT AND THE LIKE
Ivor Charles Tyler, Hill Farm, Thursley, England, assignor to Harris & Tyler Limited, Watford, Hertfordshire, England, a company of Great Britain
Application February 25, 1943, Serial No. 477,112
In Great Britain March 18, 1941
4 Claims. (Cl. 244—122)



2. A seat comprising a frame having an upper rear portion, a pair of laterally arranged members individually pivoted upon said frame for rocking movement about an axis parallel to the front edge of the seat in response to pressure exerted upon the same by the occupant of the seat, and a flexible seat member suspended be-

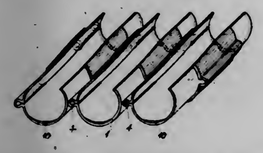
tween the upper rear portion of said frame and said laterally arranged members, the lower front portion of said flexible seat member being longitudinally split to permit individual rocking movements of said pivoted members and the associated portions of the seat member.

2,365,027
FOOTWEAR SOLE
Urban Urbany, San Diego, Calif.
Application December 7, 1943, Serial No. 513,224
4 Claims. (Cl. 36—29)



1. A footwear sole consisting of a flat resilient sole member provided with a substantially semicircular in cross section endless hollow rib centrally on the lower thread side of said sole member integral therewith, another similar rib spaced therefrom and surrounding the first mentioned rib, a base between the hollow portion of said ribs on the upper side of said sole offset downwardly from the main upper surface of said sole.

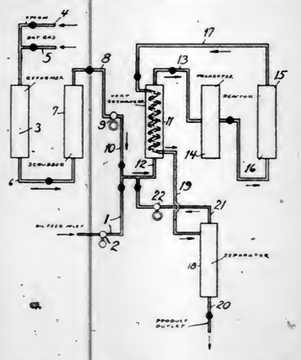
2,365,028
CARTRIDGE BELT
Josef Veselý, Brunn, Czechoslovakia; vested in the Alien Property Custodian
Application November 24, 1937, Serial No. 176,335
In Czechoslovakia November 30, 1936
10 Claims. (Cl. 89—35)



1. A cartridge belt comprising a series of individual members, each member forming a cartridge holding pocket, hinge elements on opposite sides of each member, a reinforcing element connected to each member extending about the wall of said pocket, the hinge elements on one side of said member being integral with the material of the pocket wall and spaced from one another and the hinge elements on the other side of said member being integral with the material of the reinforcing element.

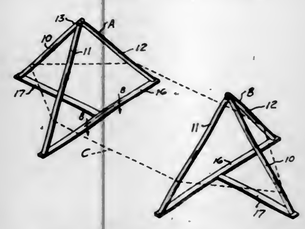
2,365,029
REFINING MINERAL OIL
Alexis Voorhies, Jr., Baton Rouge, La., assignor to Standard Catalytic Company
Application July 12, 1941, Serial No. 402,182
5 Claims. (Cl. 196—53)

1. In a process for the catalytic destructive hydrogenation of hydrocarbon oils in the presence of hydrogen and carbon monoxide at temperatures of about 500 to 800° F. and pressures of about 100 to 3,000 lbs./sq. in., the improvement which comprises contacting the hydrocarbon oil at said temperatures and pressures with a metallic iron group catalyst and supplying approximately 0.3 to 0.5 molecular weights of carbon monoxide per molecular weight of hydrocarbon and an amount of hydrogen about 4 to 5 times as great as the amount of carbon monoxide, whereby the hydrocarbon oil is destructively hydrogenated and carbon monoxide is si-



multaneously converted into hydrocarbons having more than one carbon atom per molecule.

2,365,030
CAMPING DEVICE
Wilbur M. Weisz and Edwin H. Royse, Dallas, Tex.
Application July 23, 1942, Serial No. 451,990
10 Claims. (Cl. 5—112)

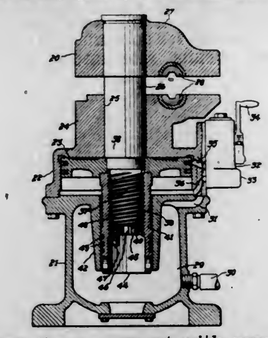


1. A camping device including, a pair of spaced end supports, each support comprising a trio of rods having their upper ends hinged together, whereby said rods may be spread to form a tripod, base members to which the lower ends of said rods are removably fastened, a hammock extending between the tripods and having its ends shaped to fit within the rods forming said tripods, and means for securing the peripheral portions of the hammock to the rods at a point spaced above the lower end of the rods, whereby the hammock is suspended from the end supports.

2,365,031
LOCKING DEVICE
Edward F. Wickens, Phillipsburg, N. J., assignor to Ingersoll-Rand Company, New York, N. Y., a corporation of New Jersey
Application March 25, 1942, Serial No. 436,216
2 Claims. (Cl. 151—30)

1. A locking device, comprising a stem having an externally threaded portion, a hollow body having an internally threaded portion to cooperate with the threads of the stem, a locking plate of the same diameter as the stem threaded into the internally threaded portion against the end surface of the stem, and a screw threaded into the locking plate in abaxial relation therewith to abut the end surface of the stem and exert

a tilting effect upon the locking plate for holding the locking plate, the stem and the body



against rotative movement with respect to each other.

2,365,032
EYE PAD
Hall Weldon Wilkinson, San Jose, Calif.
Application December 22, 1941, Serial No. 423,911
3 Claims. (Cl. 128—163)



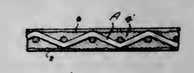
1. An eye pad for positioning in the orbital recession of the eye of a patient, said pad comprising an inner layer of compressible absorbent material and outer layers of permeable sheeted material engaging the respective side surfaces of said inner layer, said pad being shaped to provide a rounded nasal end and a temple end of reduced width to lie between the brow and cheek bones of a patient, and a reinforcing connection between said outer layers at one end only of said pad, said compressible absorbent material constituting the sole means other than said reinforcing connection capable of substantially resisting relative movement between said outer layers.

2,365,033
GRAVEL PACKING OF WELLS
Milton Williams, Houston, Tex., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application May 2, 1942, Serial No. 441,441
8 Claims. (Cl. 166—26)

2. A method of treating a well, comprising the steps of forming a filter pack in the well bore adjacent the producing formation of granular material having slowly soluble silicate surfaces, contacting said particles with water to soften and swell said surfaces, and subsequently replacing said water with a silicate hardening material whereby said pack is consolidated.

8. A method of producing a filter pack, comprising the steps of forming a filter pack of granular particles provided with outside surfaces of a slowly soluble silicate compound, placing said pack in contact with a swelling agent for a sufficient interval of time to allow the formation of films connecting said particles, and subsequently maintaining said pack in contact with a liquid capable of hardening the silicate material for a sufficient interval of time to harden said silicate material.

2,365,034
DISPLAY AND ADVERTISING SIGN
Fred Wirtz, St. Louis, Mo., assignor to Burdick-Baron Company, Dallas, Tex., a corporation of Texas
Original application January 21, 1941, Serial No. 375,189. Divided and this application March 16, 1942, Serial No. 434,907
1 Claim. (Cl. 40—135)



An advertising sign or the like comprising a body-section of open-mesh screen, an opaque base-foundation of initially plastic material incorporated in only a portion of said body-section, the base-foundation completely filling the interstices, and being substantially flush on and with the opposite faces of said selected portion only of the body-section, protective coating layers disposed on, and filling all the irregularities in, each of the oppositely presented surfaces of the base-foundation and forming smooth uniform outer surfaces, and advertising indicia imprinted upon both of said smooth surfaces.

2,365,035
METHOD FOR ACCELERATING THE POLYMERIZATION OF HALOPRENES
Mortimer A. Youker, Gordon Heights, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 26, 1939, Serial No. 252,914
7 Claims. (Cl. 260—92.7)

1. The process which comprises polymerizing, in emulsion, a compound of the general formula

$$CH_2=C-C=CH_2$$
$$\quad\quad X \quad\quad R$$

in which X is halogen and R is a member of the group consisting of hydrogen and hydrocarbon radicals in the presence of an accelerator which is a compound containing the group

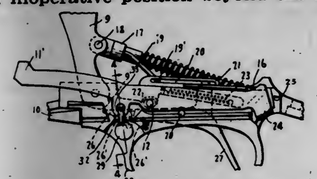
$$Y-C-C-N=C-S-H$$

in which Y is a member of the group consisting of oxygen, sulfur, and selenium, the bonds on the carbon atoms which are shown free in the group being satisfied in the compounds by a member of the group consisting of carbon and hydrogen, said process being further characterized in that the hydrogen ion concentration of the emulsion of the compound of the general formula is on the acid side of pH 7 during the entire period of polymerization.

2,365,036
FIREARM
Charles A. Young, Springfield, Ohio
Application January 26, 1939, Serial No. 252,919
15 Claims. (Cl. 42—20)

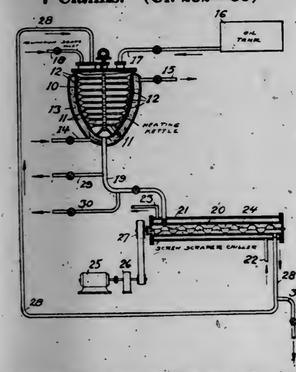
1. In a gun of the character described, an impact member, a trigger-operated sear to hold said member cocked, a lock for said sear, an actuating device, and means operated by a limited rearward movement of said device to operate said lock to release said sear, said sear lock being mounted for alternative movement into operative position, wherein it is capable of further movement into and out of locking relation with the

sear under influence of the actuating device, and into an inoperative position beyond the field of



influence of the actuating device, wherein it is incapable of locking engagement with the sear.

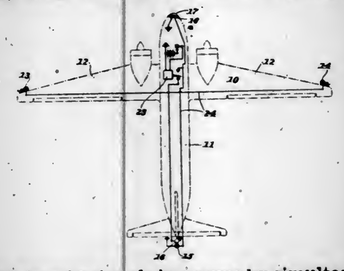
2,365,037
PROCESS FOR PREPARING ALUMINUM SOAP GREASES
John C. Zimmer, Union, and Arnold J. Morway, Clark Township, Union County, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application October 24, 1941, Serial No. 416,314
7 Claims. (Cl. 252—35)



1. A process for preparing an aluminum base lubricating grease for the chassis and other parts of machinery which comprises thoroughly mixing in grease forming proportions in a pressure kettle a viscous hydrocarbon oil, an aluminum soap of a saturated fatty acid containing between about 10 and 20 carbon atoms in the molecule, and a relatively lesser amount of an unsubstituted carboxylic acid compound containing between 10 and 20 carbon atoms in the molecule of the class consisting of unsaturated fatty acids and naphthenic acids and their aluminum derivatives as a crystallization inhibitor compound for said soap in mineral oil, rapidly cooling the heated mixture to a temperature at which the grease changes from a rubbery mass to a gel by passing through heat exchange equipment and allowing the mass to settle.

2,365,038
SIGNAL
Charles Adler, Jr., Baltimore, Md.
Application October 4, 1943, Serial No. 504,931
1 Claim. (Cl. 177—329)

In an aircraft signaling system, fore port and starboard position light signals adjacent the wing tips and giving respectively red and green indications, another fore light signal giving a different color indication, said last fore light signal being positioned substantially centrally with respect to said port and starboard signals and having greater intensity and visibility range than said red and green fore position light signals and projecting light forwardly and to the sides only of the aircraft, and a red and a different color tail light signals, means for continuously flashing said signals, said means alternately operating to



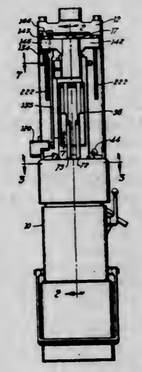
illuminate said signals in groups by simultaneously illuminating at one flashing said fore red and green signals and said different color tail light signal and at an alternate flashing simultaneously illuminating said different colored fore position light signal and said red tail light signal.

2,365,039
METHOD OF TREATING OIL WELLS
Kurt H. Andresen, Bradford, Pa., assignor to Case, Pomeroy & Company, New York, N. Y., a corporation of Delaware
No Drawing. Application September 9, 1941, Serial No. 410,160
3 Claims. (Cl. 166—22)

1. The method of selectively plugging off the flow of fluid through non-productive more permeable porous rigid sand formations exposed to an oil well without plugging less permeable productive strata, comprising the steps of preparing a dilute solution of sodium silicate (2–4% by weight) together with a bicarbonate salt that does not react with the silicic acid radical to form an insoluble salt therewith in sufficient concentration to reduce the pH to the point where the solution will gel in 10–20 hours, flowing said solution into the well under conditions of such slow controlled flow that it selectively enters the pores of the more permeable strata to be plugged to the substantial exclusion of less permeable productive sands, preparing a second solution of the sodium silicate with sufficient amount of said bicarbonate salt to cause the solution to gel in 6–8 hours, and selectively flowing said second solution into the pores of the sand to be plugged, holding said solutions in place in said pores until the gelling action takes place and forms a fluid gel extending a sufficient depth from the well and having a sufficient viscosity so as to form a substantially permanent dam to the flow of fluid therethrough.

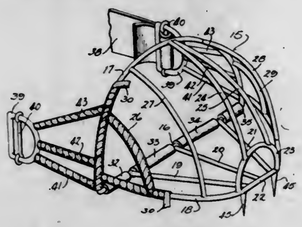
2,365,040
BROACHING MACHINE
William D. Averill and August L. Hamelberg, Cincinnati, Ohio, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio, a corporation of Ohio
Application February 20, 1941, Serial No. 379,862
22 Claims. (Cl. 90—33)

1. In a broaching machine having a first broaching station and a second broaching station, the combination of a ram, means carried by the ram to effect a broaching operation simultaneously on a work piece at each station during advance thereof, a mechanism for automatically removing the broached work piece from the first station after the advance stroke of the ram, and means to return the ram and



cause said mechanism to deliver the broached work piece to the second station for another broaching operation during the next advance stroke of the ram.

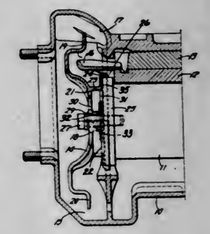
2,365,041
SNOWSHOE HARNESS
Edward J. Balcomb, Stambaugh, Mich.
Application January 13, 1944, Serial No. 518,043
12 Claims. (Cl. 36—4.5)



1. A snowshoe harness comprising a boot receiving cage having a transverse pintle rod positioned to lie beneath the boot and a bearing sleeve mounted on said rod and adapted for connection with the snowshoe.

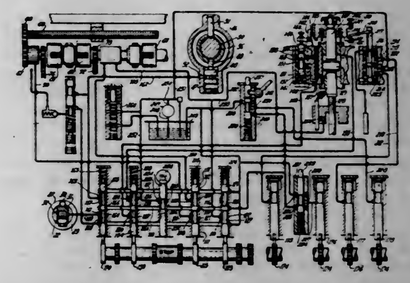
2,365,042
OIL CONVEYING MEMBER FOR JOURNAL BOXES
William Blackmore, Cleveland Heights, Ohio, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio, a corporation of Ohio
Application May 28, 1942, Serial No. 444,841
3 Claims. (Cl. 308—86)

1. In a journal box, a journal extending therein, an oil reservoir, an oil conveying member on the end of said journal adapted to rotate therewith and convey oil from said reservoir to the upper portion of the box, said member having a central portion for mounting said member on the end of said journal, said portion comprising a flange extending into overlapping relation with the end of said journal and spaced therefrom to form a pocket adapted to receive oil from said member, said central portion being formed with hollow bosses, and means received by said bosses for securing said member to said journal and allowing transverse movement between said mem-



ber and said journal, said bosses having openings therein for passing oil from said central portion around said securing means, said oil in said pocket and around said securing means being adapted to cushion said transverse movement of said member.

2,365,043
MILLING MACHINE
Louis H. Blood, Covington, Ky., and Hans Ernst, Cincinnati, Ohio, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio, a corporation of Ohio
Application April 6, 1939, Serial No. 266,332
10 Claims. (Cl. 90—21)

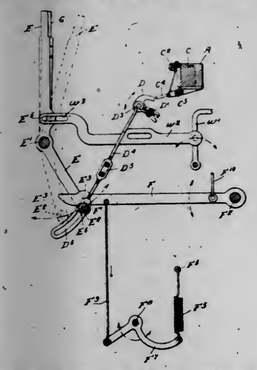


1. In a milling machine having a work table and a spindle carrier, the combination of a mechanical transmission for effecting movement of the table including a plurality of fluid operable clutches for controlling the rate and direction of movement thereof, a plurality of cam operated control valves for controlling said clutches, said cams being operated to control actuation of said clutches in a predetermined cyclic order, and a pilot control circuit for indexing said cams including pilot valves associated with the table and spindle carrier for trip operation thereby.

2,365,044
FILLING STOP MOTION FOR LOOMS
Joseph P. Blouin, Methuen, Mass.
Application April 21, 1944, Serial No. 532,044
3 Claims. (Cl. 139—375)

3. In a loom having a brake handle lever pivoted on the frame and having a depending arm and a filling feeler mechanism including a dagger, the combination of a lever so positioned as to be hit by the dagger when the filling fails, a link pivot-

ally connected at one end to said lever and having a slot in its other end and a stud on the end of



the depending arm of the brake handle lever projecting into said slot and slidable therein.

2,365,045

PREPARATION OF HYDROGENATED GLYCERIDIC OIL

Casimer J. Borkowski, Chicago, and Jacob L. Schille, Berwyn, Ill., assignors, by mesne assignments, to The Best Foods, Inc., New York, N. Y., a corporation of New Jersey

No Drawing. Application May 19, 1941, Serial No. 394,094

6 Claims. (Cl. 260—409)

1. In the preparation of a hydrogenated glyceridic oil, the steps of exposing a vegetable oil to hydrogen at hydrogenation temperatures in the presence of an active nickel catalyst prepared by reducing a compound of nickel to active nickel in a mixture composed principally of a mineral oil vehicle and a smaller proportion of a fatty material, filtering to separate the catalyst from the hydrogenated oil and adding to the oil before said filtering operation a finely divided active carbon having an apparent specific gravity of not more than .30, a pH of 6.6 to 7.4 and less than 40 parts per million of free sulfur.

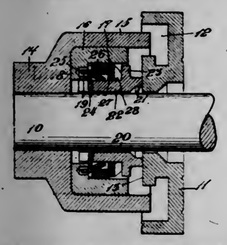
2,365,046

LIQUID SEAL

Frank Bottomley, Barrington, R. I., assignor to Stevenson Engineering Corporation, a corporation of Rhode Island

Application August 21, 1943, Serial No. 499,479

2 Claims. (Cl. 286—7)



1. In combination with a shaft seal having relatively rotating parts with a sealing face fixed on one part and an axially extending cylindrical wall on the other part with an axially movable but relatively non-rotatable sleeve carrying a cooperating sealing face associated therewith and presenting a concentric cylindrical wall spaced from the first said axially extending wall, a packing between said axially extending relatively axially movable walls exposed to the liquid to be sealed and firmly engaging one of said walls and provided with a lip sufficiently flexible to be movable by said liquid into engagement with the other of said walls to provide a seal between them.

2,365,047

PEST CONTROL

Euclid W. Bousquet, Wilmington, and Hubert G. Guy, Newark, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application May 29, 1941, Serial No. 395,735

9 Claims. (Cl. 167—30)

7. An insecticidal composition adapted to inhibit feeding of chewing insects containing as an essential active ingredient a compound selected from the class consisting of phenyl xenyl ether and its halogenated derivatives and a carrier therefor.

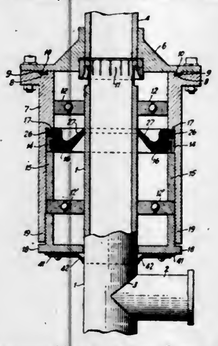
2,365,048

CONNECTING MEANS FOR CONDUCTORS OF COAXIAL ELECTRICAL TRANSMISSION LINES

William A. Bruno, New Hyde Park, N. Y., assignor to the firm Bruno Patents Inc., Long Island City, N. Y.

Application November 14, 1942, Serial No. 465,592

4 Claims. (Cl. 174—21)



3. In a connecting means for a first stationary tubular conductor section of a co-axial, electrical transmission line, and a second tubular conductor section axially aligned with said first section and capable of rotating movement relative to said first section, a stationary tubular casing rotatably housing an end portion of said second conductor section, said tubular casing being in gas-tight connection with a cover housing the joint of said first and second conductor section, and annular resilient sealing means for the coaxial transmission line, said sealing means being housed by said casing, said sealing means consisting of an outer peripheral reinforcing and pressure-transmitting rigid ring of [-shaped cross-section, said ring being connected with a registering outer profile of a resilient sealing element having an annular peripheral portion overlapping at least one end portion of said ring, and having a centrally converging, tapering portion having conical surfaces, bearing against the second conductor section, means for holding an outer peripheral portion of said resilient sealing means in compressed condition in said casing, said sealing means being adapted to form a gas-tight seal for the joint of the first and second conductor section.

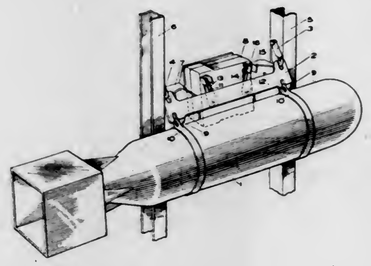
2,365,049

BOMB RELEASE MECHANISM

Werner Buchal and Hermann E. Veit, Parkville, Md., assignors to The Glenn L. Martin Company, Middle River, Md., a corporation of Maryland

Application April 30, 1943, Serial No. 485,125

4 Claims. (Cl. 89—1.5)



3. An actuating lever for the release lever of a bomb shackle comprising a lever member having two projecting flanges positioned on each side of the shackle release lever, one flange being rigidly secured to said lever member to engage and move said release lever, the other flange being hingedly secured to said lever member, a spring biased locking device for maintaining said flange in the projecting position whereby said locking device must be moved to permit hinging of said flange.

2,365,050

SEPARATION OF LIQUIDS OF DIFFERENT BOILING POINTS FROM MIXTURES THEREOF BY FRACTIONAL DISTILLATION

William James Chadder, Guildford, England, assignor to Woodall-Duckham (1920) Limited, Guildford, England, a British company

No Drawing. Application March 24, 1942, Serial No. 436,054. In Great Britain August 6, 1940

4 Claims. (Cl. 202—40)

1. Method for the removal of intermediate fractions in the separation of liquids of different boiling points from mixtures thereof by fractional distillation by a batch process in a batch still having a fractionating column associated with a total condenser and a reflux circuit for returning reflux liquid to the column, comprising the following sequence of steps: stopping completely the withdrawal of product when the temperature of the vapour at the outlet of the column begins to rise above the distillation temperature of the pure product then being distilled; returning all condensate to the column as reflux until a condition of equilibrium is established in the column; interrupting completely the return of reflux to the column and simultaneously removing the intermediate fraction from the column and from the reflux circuit; repeating the last-mentioned two steps in order as often as necessary until the total predetermined amount of intermediate fraction is removed from the system; and re-apportioning the condensate between product and reflux in amounts appropriate to the liquid mixture under treatment and to the apparatus.

2,365,051

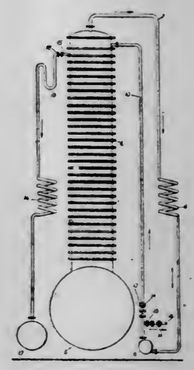
SEPARATION OF LIQUIDS OF DIFFERENT BOILING POINTS FROM MIXTURES THEREOF BY FRACTIONAL DISTILLATION

William James Chadder, Guildford, England, assignor to Woodall-Duckham (1920) Limited, Guildford, England, a British company

Application November 20, 1942, Serial No. 466,350

In Great Britain January 12, 1942

7 Claims. (Cl. 202—40)



1. In the separation of liquids of different boiling points from a mixture thereof by fractional distillation by a batch process in a batch still having a plate-type fractionating column associated with a condenser for the distillate and with a reflux return system, the method of removing the intermediate fraction resulting from the incomplete separation of one component of the mixture from the component of next higher boiling point, which consists in first concentrating the said intermediate fraction on the upper plates of the column by establishing a condition of total reflux in the column until a condition of equilibrium is attained therein and then draining the intermediate fraction rapidly as a side stream from at least one of the upper plates of the column at such a rate as to maintain a condition of zero reflux in the column below the plate from which the side stream is withdrawn during the withdrawal of the side stream while maintaining a condition of total reflux to the top of the column during the withdrawal of the side stream.

2,365,052

WELL TREATING APPARATUS

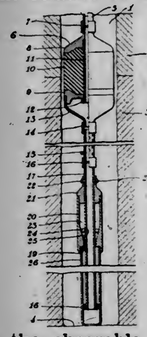
Leonard C. Chamberlain, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

Application February 25, 1942, Serial No. 432,184

3 Claims. (Cl. 166—10)

1. In a longitudinally adjustable anchor device for use in well bores the combination which includes upper and lower rigid tubular members in telescoping engagement, shearable means holding the lower member against telescopic movement relative to the upper member, locking means associated with the telescoping members adapted

to lock the upper tubular member against downward movement relative to the upper tubular



member after the shearable means has been sheared.

2,365,053
PROCESS FOR CHLORINATING MINERAL OIL

Leonard R. Churchill, Bayonne, N. J., John E. Schott, New York, N. Y., and Stanley P. Waugh, Bayonne, N. J., assignors, by mesne assignments, of three-fourths to Tide Water Associated Oil Company, New York, N. Y., a corporation of Delaware

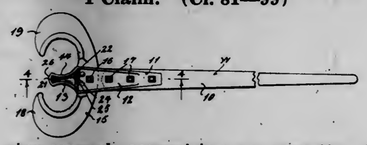
No Drawing. Application January 26, 1933, Serial No. 653,664
1 Claim. (Cl. 260—659)

A process for chlorinating oils to increase their lubricating efficiency which consists in passing chlorine into mineral oil at normal temperature, blowing air through the oil to remove excess chlorine and hydrochloric acid gas formed during the chlorinating treatment and treating the resulting chlorinated oil by heating with an alkali solution for a sufficient period of time to neutralize and stabilize the chlorinated oil.

2,365,054
PIPE WRENCH

Clifford C. Clayton, Milwaukee, Wis.

Application August 19, 1943, Serial No. 499,175
1 Claim. (Cl. 81—99)

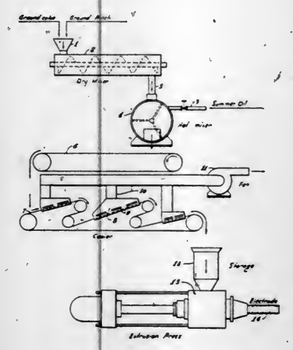


A pipe wrench comprising an operating hand lever, a pair of forwardly extending plates carried by the opposite sides of the hand lever, said plates having its opposite edges provided with arcuate jaw faces, a C shaped head received between said plates, means rockably mounting the head intermediate its ends to said plates, said head including jaws of different sizes disposed on opposite sides of the jaw faces, a rock shaft carried by the extreme forward end of the plates, a leaf spring rigidly secured to the rock shaft, said head having a notch receiving the spring forwardly of the pivot point of said head, a crank for shifting the rock shaft and spring, and means holding the crank in a selected adjusted position against accidental movement, the forward end of said plates between said jaw faces being arcuately curved to guide work into the wrench between the jaws and jaw faces.

2,365,055
PREPARATION OF SHAPED CARBON ARTICLES

Edward R. Cole, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

Application February 3, 1941, Serial No. 377,162
8 Claims. (Cl. 18—54.7)



3. In a process for the preparation of carbon electrodes, the steps which comprise: mixing together calcined petroleum coke and coal-tar pitch at a temperature at which the pitch is freely fluid; cooling the resulting plastic mass to a temperature within its critical adhesion range while preventing the temperature of any portion of the mass from falling appreciably below such range at any time during the cooling and while avoiding subjecting the mass to any substantial shearing force until the said adhesion range is reached; shaping the mass into electrodes by extruding it while still at a temperature within the said adhesion range; and further cooling the extruded electrode to set the pitch binder.

2,365,056
INSECTICIDAL AND FUNGICIDAL MATERIALS

Gerald H. Coleman and Gerald A. Griess, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

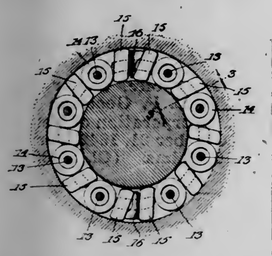
No Drawing. Application October 30, 1943, Serial No. 508,376
11 Claims. (Cl. 167—31)

11. An amine salt having insecticidal and fungicidal properties and characterized by the formula

$$R'C_6H_{10}(\text{cyclic})\text{—}NH_{3-w}[\text{—}(C_nH_{2n}\text{—}O)_m\text{—}R]_w$$
$$\qquad\qquad\qquad

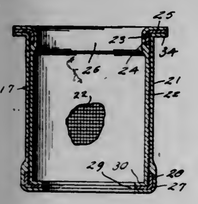
shells are detachable as a unit, said shells forming guards obviating fire hazard from a lighted cigarette inserted in said bit, the outer shell being rotatable relative to the inner shell and said shells being provided with a pair of side openings therein arranged for registration under such rotation of the outer shell to open the holder for the insertion of a match into the inner shell to light a cigarette, said shells being spaced apart to admit air through the perforations thereof into the inner shell when the side openings are in registration or out of registration, whereby the cigarette may be lit within the inner shell and smoked while the side openings are out of registration.

2,365,062
COMBINED ONE-WAY CLUTCH AND BEARING
Adiel Y. Dodge, Rockford, Ill.
Application April 8, 1942, Serial No. 438,081
6 Claims. (Cl. 192—45.1)



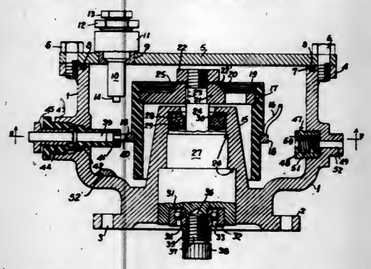
1. A combined one-way clutch and bearing comprising inner and outer races providing spaced coaxial cylindrical surfaces, annular cage members spaced axially of the races, cage bars rigidly connected at their opposite ends to the cage members and forming therewith a rigid cage assembly, tubular bearing elements loosely surrounding the bars and lying between the cylindrical surfaces of the races, and tiltable grippers lying between the cylindrical surfaces of the races alternating with the bearing elements to connect the races in one direction of rotation.

2,365,063
BELLOWS FOR VALVE STRUCTURES
George T. Downey, Corry, Pa., assignor to Aero Supply Mfg. Co. Inc., Corry, Pa.
Application February 19, 1943, Serial No. 476,445
7 Claims. (Cl. 137—156.5)



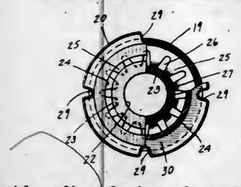
1. A bellows for a valve structure comprising a non-metallic flexible tubular body, rigid flange members embedded in said body at the ends of the latter, and a flexible metallic fabric embedded in said body between said flange members.

2,365,064
SWITCH
Erwin E. Dreese, Sidley O. Evans, and Wells L. Davis, Columbus, Ohio, assignors to The Ohio State University Research Foundation, Columbus, Ohio, a corporation of Ohio
Application June 8, 1942, Serial No. 446,264
12 Claims. (Cl. 200—24)



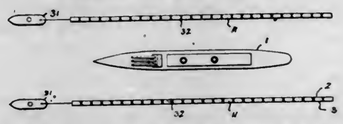
1. A distributor for combustion engines comprising a hermetically sealed metal casing formed of a cup-shaped element, a closure plate for covering the open end of said element, a journal formed at the closed end of said element and comprising a reentrant portion, a shaft extending through said journal and being hermetically sealed with respect to said casing, a rotary member within said casing and carried by said shaft, a rotary electrode mounted on said rotary member, a plurality of stationary electrodes secured to said casing and adapted to be presented to said rotary electrode when said shaft is rotated, means for supplying current at high potential to said rotary electrode, and a fluid of predetermined dielectric strength contained within said casing and surrounding said electrodes.

2,365,065
FLUID SEALING DEVICE
Titus E. Frankenfield, Indianapolis, Ind., assignor to Schwitzer-Cummins Company, Indianapolis, Ind., a corporation
Application November 23, 1942, Serial No. 466,627
6 Claims. (Cl. 286—11)



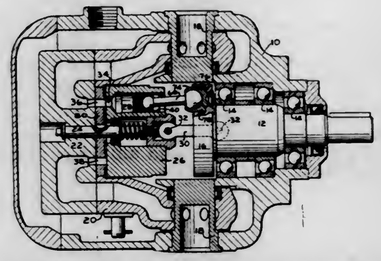
1. A fluid sealing device adapted to effect a seal between two relative rotative elements including a shaft, said device comprising a disk-like flexible sealing member adapted to embrace said shaft for sealing and gripping engagement therewith, a corresponding disk-like spring embraced within said member formed to exert an inwardly and radially directed wedging action thereupon to supplement said sealing and gripping engagement when under tension, a rigid sealing disk adapted to effect sealing engagement with the other of said elements during relative rotation therebetween, and a confining ring having interlocking engagement with said disk and confining the outer peripheral portion of said member to resist outward expansion and to direct its expanding force inwardly into sealing and gripping engagement with said shaft when said device is axially compressed.

2,365,066
GUARD FOR SHIPS AND THE LIKE
Grady C. Fuller, Houston, Tex.
Application January 16, 1942, Serial No. 426,971
4 Claims. (Cl. 114—240)



1. A guard for water craft comprising a pair of aprons spaced apart and adapted to be submerged, one of said aprons forming an open work carrier, explosive charges on said carrier, the other apron being positioned to intercept a torpedo moving through the carrier, a buoy for supporting the guard in the water, a source of electrical supply, firing means for the charges, electrical conductors connecting said source with said firing means and including an electric switch arranged to be closed upon movement of the intercepting apron by the torpedo.

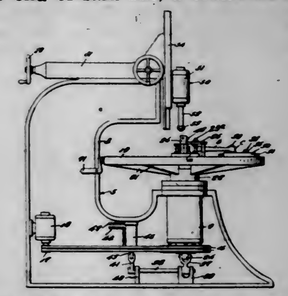
2,365,067
POWER TRANSMISSION
John Gauld, Detroit, Mich., assignor to Vickers Incorporated, Detroit, Mich., a corporation of Michigan
Application July 22, 1940, Serial No. 346,749
3 Claims. (Cl. 74—579)



1. A piston and connecting rod assembly for hydraulic pumps and motors comprising a piston skirt having an inwardly projecting flange adjacent the head end thereof, a one-piece ball socket within the skirt and deformed to engage both sides of said flange, a one-piece, ball-ended connecting rod mounted in the socket, a second one-piece ball socket on the opposite end of the connecting rod, and means on said second socket deformable to embrace a similar inwardly projecting flange on a piston driving member.

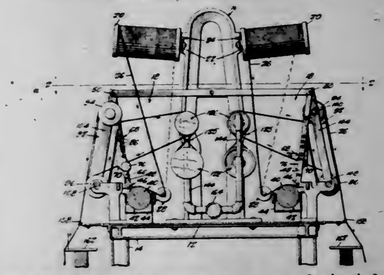
2,365,068
CONNECTING ROD REGRINDING MACHINE
Sidney A. Gerbig, Faribault, Minn.
Application February 7, 1942, Serial No. 429,943
1 Claim. (Cl. 29—26)

A machine of the character described comprising a rotary work supporting table, a boring bar endwise movable upwardly through the table into work supported thereon and retractable out of the work, a grinding unit mounted above the table and constructed and arranged to be lowered into work supported by the table when the boring bar is retracted, a hollow spindle for the table, drive means for the spindle, said boring bar being operative through the spindle, and means to move said bar endwise comprising a rock shaft, a yoke on one end of said shaft operatively connected to the lower end of said bar, a crank on the other



end of said shaft, and pneumatic means for operating said crank.

2,365,069
CORD STRETCH ELIMINATOR
Oscar D. Grimes, Sr., Athens, Ga.
Application May 13, 1943, Serial No. 486,896
4 Claims. (Cl. 28—59.5)

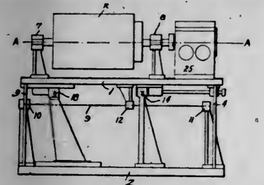


1. A machine for reducing cord stretch within predetermined limits comprising a rotative cord wetter, means for tensioning the cord in advance of said wetter, a stretcher for the wet cord, tensioning means for the wet cord interposed between the stretcher and the wetter, said stretcher comprising two grooved rollers of tapered contour and arranged for rotation about parallel axes, said cord being wound about the two rollers progressively from their smaller ends to their larger ends, said cord being frictionally engaged by the walls of said grooves to eliminate slippage of the cord relatively to the rollers, steam heated rotary drums for drying the stretched cord, said drums having grooves for the reception of the cord and said cord being cross wound on the two drums and having its convolutions separated one from the other by the grooves in the drums, and means for removing condensate from the drums.

2,365,070
BALANCING MACHINE
James John Guest, Bromley Common, England
Application December 16, 1943, Serial No. 514,553
In Great Britain September 25, 1942
2 Claims. (Cl. 73—66)

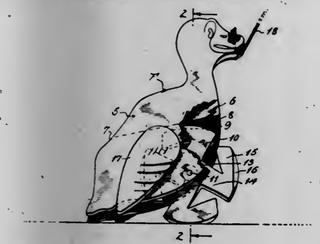
1. A machine for testing the balance of rotors and the like comprising a frame adapted to support the rotor to be tested with its axis disposed parallel to the plane of the frame, a stationary base, stiffly flexible supports extending from the base for supporting the frame for substantially planar movement parallel to the base, a plurality of taut flexible members extending a spaced dis-

tance from and substantially parallel to the plane of the frame, one of said flexible members disposed longitudinally and another of said flexible members disposed transversely of the frame, means for securing the ends of the flexible mem-



bers to the base, and means for connecting the frame to either of the flexible members at an intermediate point thereof to restrain planar movement of the frame in a direction parallel to the flexible member to which it is connected.

2,365,071
WADDLING DUCK
Daniel E. Gumb, Milwaukee, Wis.
Application April 6, 1944, Serial No. 529,732
4 Claims. (Cl. 46—105)



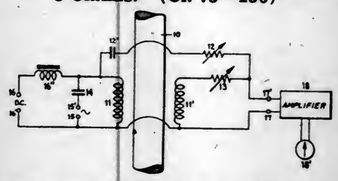
1. A figure toy, comprising a body shaped to simulate a desired figure, a supporting wheel rotatably carried by said body and extending below the lower face of the figure for engaging the ground, said wheel including a hub and outwardly extending leg portions having ground engaging feet, alternating feet being beveled in opposite directions so that upon the drawing of the figure over the ground the body will be tilted sideways in opposite directions.

2,365,072
SAND TIMING INSTRUMENT
Frederick H. Hagner, San Antonio, Tex.
Application October 20, 1941, Serial No. 415,812
8 Claims. (Cl. 161—1)



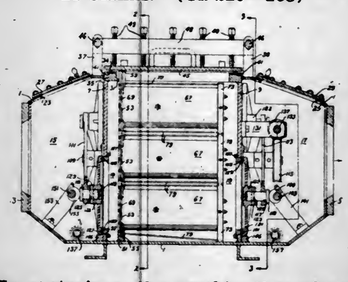
1. A timing instrument of the class described comprising a casing having a primary compartment and an auxiliary compartment, a granular material in said primary compartment adapted to flow into said auxiliary compartment, a weight slidably mounted in the primary compartment, a valve for controlling the passing of the granular material from one compartment to the other, the granular material when in the primary compartment being adapted to support the weight in an inoperative position, an actuating member slidably mounted within the casing and having means engageable by the weight, a latch for holding the actuating member in an inoperative position, and said weight constituting means for automatically releasing said latch when a predetermined amount of granular material has fallen from the primary compartment into the auxiliary compartment.

2,365,073
MEANS FOR INDICATING HORSEPOWER AND HORSEPOWER FACTORS
Norman L. Haight, Glen Ridge, N. J., assignor of one-half to H. D. Mallison, Philadelphia, Pa.
Application March 6, 1942, Serial No. 433,636
3 Claims. (Cl. 73—136)



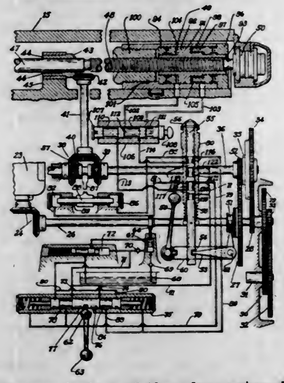
1. A device for indicating the horsepower transmitted by a shaft connected to a power producing means, comprising means for energizing the shaft with flux, means responsive to variations in said flux, a linear amplifier responsive to both amplitude and frequency for amplifying the responses of said responsive means, and means for indicating the output of said amplifier to give a direct reading of horsepower.

2,365,074
STRAINER
Frank B. Harvuot, Fort Wayne, Ind., assignor to S. F. Bowser & Company, Incorporated, Fort Wayne, Ind., a corporation of Indiana
Application December 31, 1941, Serial No. 425,171
14 Claims. (Cl. 210—168)



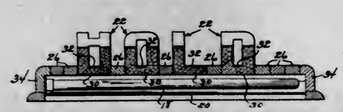
1. In a strainer, the combination of a casing having means forming two strainer compartments, strainer means comprising header plates and a strainer supported on each plate, each compartment having an inlet and an outlet, a cover for each compartment, channels mounted on the bottom and sides of said compartments to receive certain of said screen header plates, said plates in each compartment being disposed in vertical edgewise, abutting relation with each other, sealing means mounted on said cover adapted to engage the upper header plate, said header plates being disposed transversely across said compartments to form two chambers in each and preventing passage of any substantial amount of liquid from one chamber to the other except through the screens.

2,365,075
MILLING MACHINE
Fred A. Hassman, Cincinnati, Ohio, assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio, a corporation of Ohio
Application September 8, 1941, Serial No. 410,013
8 Claims. (Cl. 90—22)



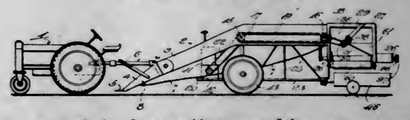
1. In a transmission of the character described, the combination with a mechanical feed rapid traverse drive including a rotatable final element and a member operatively associated therewith for relative translation upon rotation of the parts, of an anti-backlash mechanism including a cylinder having a piston intermediately movable therein and connected with one of said final drive transmission elements for effecting opposite relative directional urges of the parts dependent on the direction of actuation of the piston, a source of hydraulic pressure medium, conduits intervening said source and the piston and including valve members for determining directional urge of the hydraulic medium as respects the piston, a feed-rapid traverse selector, a valve means in the hydraulic conduit system coupled with the selector for actuation thereby, said valve means having portions for effecting corresponding hydraulic connections at opposite sides of the backlash eliminating piston when the selector is in rapid traverse position whereby to nullify the end thrust effect of the piston during rapid traverse operation.

2,365,076
ILLUMINATED SIGN
Thomas W. Haywood, Jr., Warrenton, N. C.
Application November 17, 1942, Serial No. 465,901
2 Claims. (Cl. 40—130)



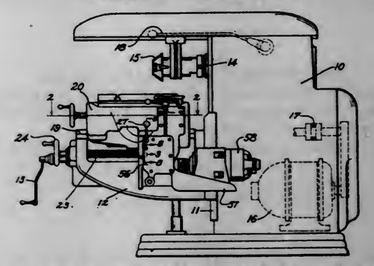
1. In an illuminated sign, an elongated rectangular base frame having upstanding front and rear walls, a longitudinally extending flange projecting inwardly from the top of each of said walls, the inner edges of each flange having a longitudinally extending groove, a plurality of display elements supported in upstanding relation on the base, each of said elements having tongues protruding from opposed sides thereof adjacent the bottom face slidably engaging said grooves, and a plurality of flat spacing elements disposed between the bottom parts of the display elements, said spacing elements having tongues projecting from opposed edges thereof and slidably engaging the grooves.

2,365,077
POTATO HARVESTING MACHINE
Ralph S. Hertzler, Elverson, and Omar K. Umble, Atglen, Pa.
Application October 28, 1943, Serial No. 507,978
6 Claims. (Cl. 130—30)



In a potato harvesting machine, a conveyor for elevating potato vines bearing potatoes thereon from the harvesting area, a set of yieldable rolls mounted below the upper end of said conveyor for gripping the potato vines and stripping the potatoes therefrom as the potato vines are advanced over the top of said conveyor, a conveyor disposed beneath said set of rolls for receiving the potatoes stripped from the vines, means for driving said set of rolls, means for advancing said last mentioned conveyor for effecting delivery of potatoes, and means for selectively adjusting the spacial relation of said set of rolls with respect to the upper end of said first mentioned conveyor.

2,365,078
ROTARY TABLE ATTACHMENT FOR MILLING MACHINES
Walter Hoier, Cincinnati, Ohio, assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio, a corporation of Ohio
Application May 27, 1942, Serial No. 444,694
3 Claims. (Cl. 90—20)



1. A rotary table attachment for a knee and column type milling machine comprising a base member having bottom, top and sides, guideways formed on the bottom of said member complementary to guideways of a knee upon which the attachment is to be mounted, a circular rotary table, means in the top of said member for supporting and journaling said table, a gear box formed integral with one of the sides of said member, a bracket projecting from said gear box and forming a shelf, a drive motor mounted on said shelf, transmission means mounted in said

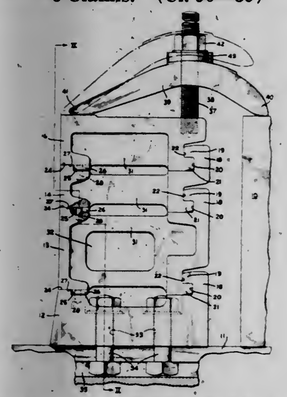
gear box including an output shaft, and means for driving the same from said motor at fast and slow rates, means on the top of said member including a reverser operatively connected to said output shaft for driving said table and controls for said transmission mounted on the base member including a rate selector operable at will and a control for said reverser whereby said attachment constitutes a self-contained operative unit for application to a milling machine.

2,365,079

WORK-HOLDING APPARATUS

John J. Huber, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application August 31, 1943, Serial No. 500,635
6 Claims. (Cl. 90—59)



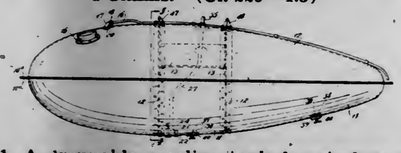
1. A work-holding device comprising a plurality of blocks adapted to be positioned one upon another in column formation, means carried by the blocks adjacent their front edges for interlocking them against relative vertical movement, and means carried by the top block for securing a strap-type clamp in work-holding position with its forward end bearing on the work to be held and its rearward end bearing on the column of blocks at the rearward end thereof.

2,365,080

DROPPABLE GASOLINE TANK

Marion W. Humphreys, Euclid, Ohio, assignor to The Ohio Rubber Company, Willoughby, Ohio, a corporation of Ohio

Application August 2, 1943, Serial No. 497,027
4 Claims. (Cl. 229—4.5)



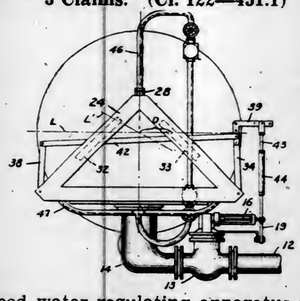
1. A droppable gasoline tank for airplane use comprising a horizontally elongated body formed from upper and lower halves or portions produced from fiber in sheet form, the upper half having one or more hangers extending upwardly therefrom, and a baffle extending transversely of the tank and secured to the lower half and to each hanger in clamping engagement with the upper half.

2,365,081

FEED WATER REGULATING APPARATUS FOR BOILERS

William L. Hunter, Erie, Pa., assignor to Northern Equipment Company, Erie, Pa., a corporation of Pennsylvania

Application April 14, 1942, Serial No. 438,960
3 Claims. (Cl. 122—451.1)



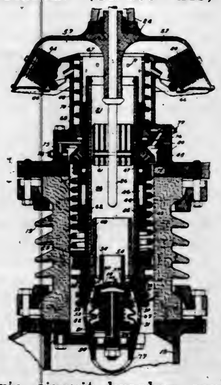
1. Feed water regulating apparatus for boilers comprising a boiler drum, a generally V shaped thermostatic tube having its apex fixed to the drum head substantially at the vertical center line thereof and its arms inclined at substantially equal angles to said center line, the arms being substantially equal length and the arm ends remote from the tube apex being freely movable under thermal change, the tube being connected to the steam space and water space of the boiler at the apex and arm ends whereby the arms will expand and contract in accordance with the relative amount of steam and water therein, the tube apex connection forming a fixed common communicating means for both arms with the boiler a feed water valve, means for actuating the valve, and link means connecting each of said arm ends with the actuating means whereby the valve will be actuated in correspondence with the composite movement of both arm ends under thermal change.

2,365,082

ELECTRIC CIRCUIT BREAKER

Gustav E. Jansson, North Quincy, Mass., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware

Application May 16, 1942, Serial No. 443,255
9 Claims. (Cl. 200—148)



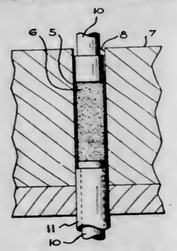
1. An electric circuit breaker comprising an arcing chamber having an outlet, a pair of cooperating arcing contacts arranged to divide said chamber into an inlet portion and an outlet portion, means for opening said contacts, means for introducing arc extinguishing fluid under pressure into said inlet portion to produce a blast of fluid between said contacts and through said chamber, valve means for controlling said outlet, and pressure responsive means distinct from said contact opening means and so arranged as to be subjected to the pressure within said inlet portion simultaneously with said contact opening means for causing operation of said valve means.

2,365,083

GOLD-FILLED WIRE

Tracy C. Jarrett, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts

Application February 8, 1941, Serial No. 378,111
4 Claims. (Cl. 29—182)



1. As an article of manufacture a member having an outer shell of gold in solid state and of controlled shape and thickness of material and an inner core of metallic particles of a relatively inexpensive base metal alloy selected from a group of metals consisting of nickel, copper, cobalt, and beryllium-copper with at least a portion of said particles having a lower melting point than the solid precious metal, said particles of base metal being in compressed and sintered relation with each other and in sintered relation with the inner surface of the precious metal shell.

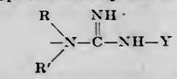
2,365,084

BENEFICIATION OF ACIDIC MINERALS

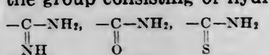
David W. Jayne, Jr., Old Greenwich, Harold M. Day, Cos Cob, and Elmer W. Gieseke, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application March 31, 1942, Serial No. 437,037
8 Claims. (Cl. 209—166)

1. In the froth flotation process of separating acidic silicious gangue from non-metallic ore values, the step which comprises subjecting the ore to froth flotation in the presence of an effective amount of a product of the group consisting of those represented by the following formula:



in which R is an alkyl radical containing from 8 to 20 carbon atoms, R' is a member of the group consisting of hydrogen and an alkyl radical containing from 8 to 20 carbon atoms and Y is a member of the group consisting of hydrogen and



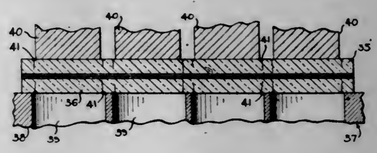
radicals, and salts of such compounds to effect a substantially complete separation of the ore values from the acidic silicious gangue thereby producing a tailing high in phosphate and relatively low in gangue.

2,365,085

PROCESS OF BREAKING LAMINATED ARTICLES

William J. Joyce, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts

Application May 10, 1941, Serial No. 392,927
2 Claims. (Cl. 49—77)



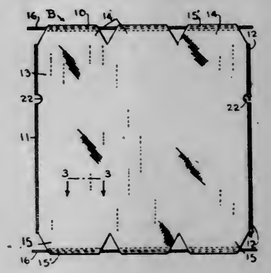
1. A method of simultaneously making a plurality of articles of laminated plate stock having an intermediate layer of bonding material between the lamina components of the laminated plate stock comprising the step of cutting the surfaces of the laminated plate stock into a multiplicity of individually scored outlines, a further step of subjecting the individually scored outlines to the action of a cooling medium to lower the temperature of the intermediate layer, and a still further step of simultaneously pressing the individually scored articles out of said plate stock while said plate stock is held in a substantially fixed position.

2,365,086

THERMAL INSULATING JACKET

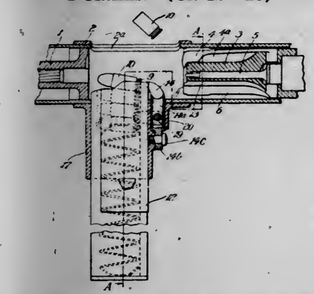
Joseph T. Kamowski, Nanticoke, Pa.

Application September 21, 1943, Serial No. 503,273
2 Claims. (Cl. 154—44)



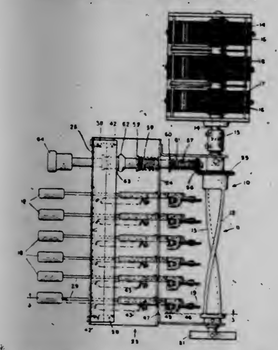
1. In a heat-insulating jacket for a hot water storage tank having a conduit extending from an end thereof, a side wall portion having end flaps, with heat insulating material over the inner face of said side wall portion, said flaps being free of said heat-insulating material, an end wall portion, comprising two sections extending about that part of said conduit nearest said tank and also extending to the inner face of said side wall portion, said end wall portion being provided with heat insulating material, said flaps extending over a portion of the outer face of said end wall portion toward said conduit, and means for drawing said flaps together and maintaining them taut over said part, said means encircling said conduit, and comprising a drawstring extending through the free ends of said flaps.

2,365,087
FIREARM
George Herbert Lanchester, London, England, assignor to Anthony Edgar Somers, London, England
Application August 14, 1942, Serial No. 454,839
In Great Britain April 24, 1941
4 Claims. (Cl. 42—18)



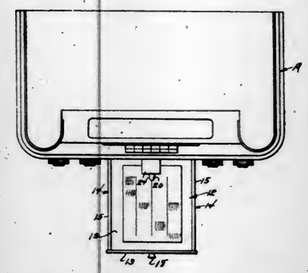
1. In an automatic fire arm having a support, a barrel mounted therein, a socket mounted on said support, a magazine removably mounted in said socket, a reciprocatory bolt for introducing cartridges from the magazine into the barrel, and an extractor carried by the bolt for removing cartridge shells from the barrel, a shell ejector mounted in said socket, and a latch engageable with the magazine to lock it in said socket and having a release pin which extends through the ejector and is operative as a dowel to secure the ejector in said socket.

2,365,088
STATION SELECTOR
Guy M. Lane and Henry W. Mackey, Detroit, Mich., assignors to The Crosley Corporation, Cincinnati, Ohio, a corporation of Ohio
Application November 29, 1937, Serial No. 177,163
12 Claims. (Cl. 74—10)



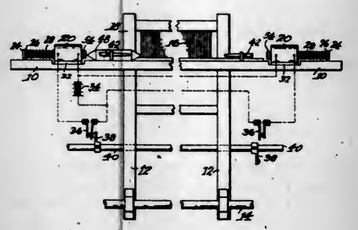
1. In a station selector for radio receiving apparatus, the combination with a variable condenser having a rotor shaft, of a positionable member coupled to the rotor shaft and having a cam surface extending in the direction of the axis thereof, a plurality of control members supported for movement independently of each other toward the positionable member, a cam member carried by the end of each control member adjacent the positionable member and each of said cam members having a cam surface engageable with the cam surface on the positionable member upon selectively moving the control members toward the positionable member to rotate the latter and rotor shaft throughout different predetermined degrees of angular travel, means for yieldably resisting movement of the control members toward the positionable member, and latch means for maintaining the cam of each control in engagement with the cam surface on the positionable member against the action of the yieldable means and releasable upon movement of any one of the other control members in a direction toward the positionable member.

2,365,089
DEVICE TO HOLD RADIO PROGRAMS
Roy Le Bourgeois, New Orleans, La.
Application October 21, 1943, Serial No. 507,199
2 Claims. (Cl. 240—4)



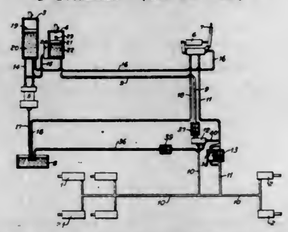
1. An illuminated program drawer for radio cabinets, comprising a drawer body having suspension flanges for slidable reception in ways in the base of the radio cabinet, a source of illumination for the drawer having a lever switch attached to the radio cabinet adjacent the rear end of the drawer in its closed position, a spring plate switch actuating arm carried by the drawer and normally held out of the path of the lever by the ways, and releasing from the ways when the drawer is closed to open the switch, and close the switch when the drawer is opened.

2,365,090
SHUTTLE DRIVE
Samuel Levine, Worcester, Mass.
Application January 14, 1942, Serial No. 426,701
5 Claims. (Cl. 139—134)



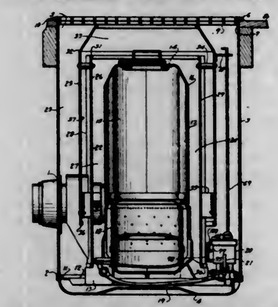
1. In a loom, the combination of a lay and a shuttle adapted to be driven thereon; with a solenoid for driving said shuttle, a core in said solenoid, a striking head on said core, a relatively large diameter undercut counterbore in said head, a relatively small tapering recess at the bottom of said counterbore, and a rubber plug located in and conforming to said counterbore and recess.

2,365,091
HYDRAULIC CONTROL SYSTEM
René Lucien Levy, Paris, France, assignor to Societe d'Inventions Aeronautiques et Mecaniques S. I. A. M., Fribourg, Switzerland
Application November 28, 1941, Serial No. 420,875
In France September 20, 1940
5 Claims. (Cl. 60—51)



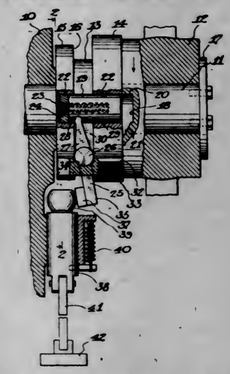
1. A hydraulic control system, particularly for vehicle brakes or other applications, comprising: a work circuit, a low pressure hydropneumatic accumulator, a first pipe of comparatively large cross-section connecting said accumulator to said work circuit, a tank, a relay interposed in said pipe, a movable member arranged in said relay and the movement of which has the effect of disconnecting the work circuit from the tank and connecting the low pressure accumulator with the work circuit and conversely, a hydropneumatic high pressure accumulator, a second pipe of comparatively small cross-section connecting the high pressure accumulator and the work circuit, a calibrated valve interposed in the second pipe and opening only when in the latter the pressure on the accumulator side of the valve attains a predetermined value, a third pipe connecting said relay and the second pipe, on the accumulator side of the calibrated valve, and permitting the pressure reigning in the second pipe to act upon the movable member of the relay, a distributor in said second pipe capable of connecting the calibrated valve alternately with the high pressure accumulator or with the tank, and a check-valve mounted on the first pipe, between the relay and the low pressure accumulator.

2,365,092
SAFETY FUEL CUTOFF FOR HEATING APPLIANCES
Russell Martin, Wichita, Kans., assignor to The Coleman Lamp and Stove Company, Wichita, Kans., a corporation of Kansas
Application September 2, 1941, Serial No. 409,224
4 Claims. (Cl. 126—116)



1. In a floor furnace, an open top outer casing having side walls and a bottom, a grill covering said open top of the outer casing, an open top inner casing having walls spaced inwardly of corresponding walls of the outer casing for forming downdraft and primary updraft passages in communication with each other near the bottom of the casing whereby cool air to be heated moves downwardly through the downdraft passage and upwardly through the primary updraft passage, a heater unit in the primary updraft passage for heating the air in the primary updraft passage, means for supplying fuel to the heater unit, adjustable means in said fuel supply means for limiting flow of fuel to the heater unit, means cooperating with at least one of said walls of the inner casing for forming a substantially vertical secondary updraft passage in communication at its upper end with the upper portion of the primary updraft passage and at its lower end with the downdraft and primary updraft passages whereby relatively cool air from the downdraft passage moves upwardly through the secondary passage and hot air is adapted to move from the primary updraft passage downwardly through the secondary updraft passage when discharge of heated air is blocked from the updraft passage through the grill, a thermostat element adjacent to the lower end of the secondary updraft passage substantially where said secondary updraft passage communicates with the downdraft passage for contact with the cool air when the cool air moves upwardly through the secondary passage and in contact with the hot air when hot air moves downwardly through the secondary updraft passage, and an operating connection between the thermostat element and said adjustable means to cause actuation of said adjustable means for limiting flow of fuel when the thermostat element is subjected to flow of heated air moving downwardly through the secondary passage.

2,365,093
CLUTCH
George J. Meyer, Milwaukee, Wis.
Application December 11, 1942, Serial No. 468,663
6 Claims. (Cl. 192—25)



1. In a clutch, the combination of a rotatable driven shaft having a collar portion with pin-guiding holes extending parallel to the shaft axis and arranged at diametrically opposite sides of said axis and at equal distances from said axis, a driving member rotatably mounted on said shaft and having pin-engaging abutments, clutch pins slidable in said holes and engageable with said abutments for transmitting driving torque to said shaft, each pin having a lateral notch, compressed coiled springs extending axially of said respective pins for moving said pins in clutching direction,

a shift lever pivotally carried by and rotatable with said shaft and having its pivotal axis extending transversely of the shaft axis and parallel to the plane of the axes of the pins, said lever having a pair of arms at opposite sides of said shaft engageable in the notches of the pins for moving said clutch pins out of clutching position and having another arm projecting outwardly from said shaft, and a shiftably mounted trip engageable by said last-named lever arm during the rotational travel of said lever for moving said lever to clutch-disengaging position and releasable from said lever arm to permit movement of the clutch pins to clutching position.

2,365,094

PROCESS FOR THE CONVERSION OF CARBON MONOXIDE WITH HYDROGEN INTO HYDROCARBONS

Wilhelm Michael and Adam Buettner, Ludwigshafen-on-the-Rhine, Germany; vested in the Alien Property Custodian

No Drawing. Application August 9, 1940, Serial No. 351,958. In Germany December 22, 1938
7 Claims. (Cl. 260—449.6)

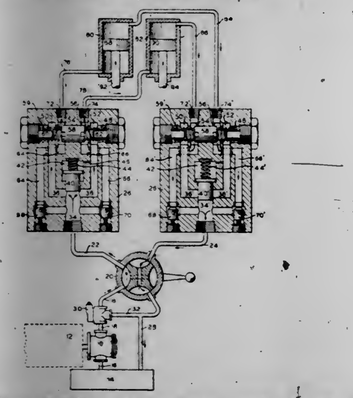
1. A process for the conversion of carbon monoxide with hydrogen into hydrocarbons containing more than one carbon atom in the molecule which comprises operating in the presence of a catalyst prepared by treating compact iron bodies with an oxidising gas at such a high temperature and for such a long time that the iron becomes practically completely oxidised, but without melting of the iron or of the iron oxide formed, and subsequently reducing the iron oxide formed to metal by treatment with a reducing gas, said treatments with oxidising and reducing gases being carried out without substantially changing the original shape of the compact iron bodies.

2,365,095

POWER TRANSMISSION

Raymond S. Miller and Howard C. Zintz, Detroit, Mich., assignors to Vickers Incorporated, Detroit, Mich., a corporation of Michigan

Application August 19, 1941, Serial No. 407,442
2 Claims. (Cl. 137—166)



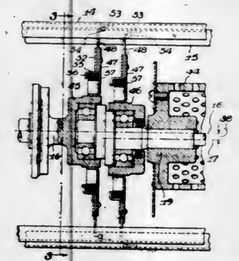
1. A flow-dividing valve for proportioning the flow rate between a pair of conduits connecting two variable load motors in a parallel circuit with a source of pressure fluid, said valve comprising a common inlet connection having a single spring-loaded resistance valve therein provided with a pair of concurrently controlled outlet orifices, branch conduits extending from the resistance valve, and a pressure equalizing valve controlling the flow through said branch conduits and responsive to a rise in pressure in either conduit for increasingly restricting the other branch conduit and vice versa to maintain equal pressures in said branches.

2,365,096

RAYON SPINNING AND DRYING CAGE

Arthur F. F. Mothwurf, Philadelphia, Pa., assignor, by mesne assignments, to Industrial Rayon Corporation, a corporation of Delaware

Application July 11, 1940, Serial No. 344,947
6 Claims. (Cl. 18—8)



1. A thread storage drum comprising at least two interleaved cages having longitudinal substantially rigid bars, each of said cages being mounted on a pair of spaced supporting means, the arrangement of said cages and their mounting on the supporting means being such as to advance thread in a spiral path thereover, one of said pair of spaced supporting means including resilient means for supporting the bars of one of said cages, and guiding means for positively confining such resiliently supported bars to radial movement with respect to said supporting means.

2,365,097

METHOD OF PREPARING PAPER COATING COMPOSITIONS AND THE LIKE

Harold R. Murdock, Asheville, N. C., assignor to The Champion Paper and Fibre Company, Hamilton, Ohio, a corporation of Ohio

No Drawing. Application August 13, 1941, Serial No. 406,731
7 Claims. (Cl. 106—214)

1. In a process of preparing paper coating compositions comprising an aqueous suspension of mineral pigment and an adhesive derived from rice, the steps which include subjecting dehulled broken rice resulting from the production of polished rice and containing a high percentage of weed seeds to a mechanical disintegrating action in the presence of water until the rice particles are reduced to the state of a powder without the dark fibrous parts of the weed seeds being substantially disintegrated, and separating said dark fibrous parts of the weed seeds from the powdered rice.

2,365,098

CARDBOARD NOVELTY

Eoina Nudelman, Chicago, Ill., assignor to Martin King, Chicago, Ill.

Application February 12, 1944, Serial No. 522,123
4 Claims. (Cl. 46—157)

1. A joint comprising a stationary member and a pendant movable member, said stationary member having a slit dividing same into upper and lower portions, said movable member comprising a head having a substantially radial slit, said



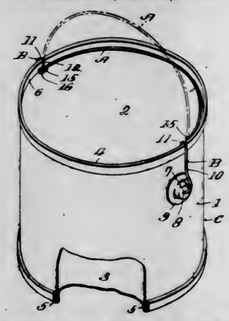
head passing through the slit in the stationary member with said radial slit receiving the lower portion of said stationary member.

2,365,099

PORTABLE CONTAINER

Frank J. O'Brien, Pelham, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York

Application August 13, 1942, Serial No. 454,695
5 Claims. (Cl. 220—92)



1. The combination with a container having a side wall, and a top wall secured thereto; of a bail type carrying means comprising two horizontally apertured ears secured to said container side wall at opposite sides of the container and spaced below the top of the container; two bail anchors connected respectively to said ears, each of said anchors comprising a hook having its free end portion extending inwardly toward said side wall into the aperture in the associated ear and being detachable from said ear by movement of said hook outwardly from said side wall, a portion extending vertically from said hook alongside and in yieldable clamping relation to said side wall, a portion extending inwardly over and in yieldable clamping relation to the top of said side wall, and a portion extending from said last named portion and being disposed over and in yieldable clamping relation to the container top wall, and a bail hinged at its opposite ends to the portions of said anchors which are disposed over the container top wall.

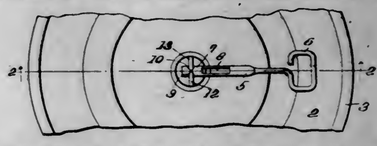
2,365,100

KEY OPENING CONTAINER

Frank J. O'Brien, Pelham, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York

Application December 16, 1942, Serial No. 469,242
1 Claim. (Cl. 220—52)

A key opening container including a body portion having score lines forming a tearing strip, a closure end secured to the container body and a key for removing the tearing strip, said key having a straight shank, a handle at one end of said shank, said shank adjacent the other end thereof being flat and having a slot adapted to engage the tearing strip and cut away portions disposed between the slot and the end of the key opposite the handle and at opposite sides of the shank, said cut away portions forming a relatively narrow neck in the shank, said container end having raised portions formed therein which are shaped and spaced so as to engage within the cut away



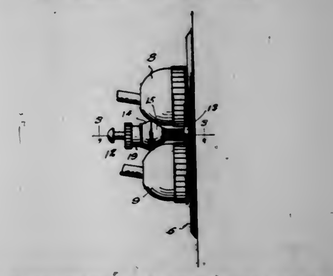
portions forming the neck of the key which key is pressed flat against the end, said raised portions being bent into engagement with the outer face of the neck for forming a holding means firmly clamping the key to the container, and said neck portion being dimensioned so that when the handle end of the key is lifted the shank will be ruptured at said neck and the key released from the container end.

2,365,101

ATTACHMENT PLUG-RETAINING DEVICE

Richard S. O'Brien, New York, N. Y.

Application November 17, 1943, Serial No. 510,681
3 Claims. (Cl. 173—330)



3. An attachment plug-retaining device of the character described comprising an elongated screw adapted to replace the securing screw of the face plate for an outlet receptacle, a stop member for the screw mounted on the stem of the latter near but removed from its inner end, an inwardly tapering body slidable on the stem of said screw outwardly of said stop member for movement longitudinally of said screw, a spring interposed between said body and said stop member and normally yieldingly urging the body outwardly, and a nut engageable with the threaded stem of said screw and arranged to force the body inwardly against the action of said spring and to a position for engagement with an attachment plug engaged in an outlet of an outlet receptacle.

2,365,102

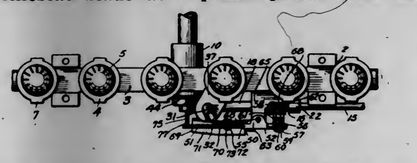
PILOT FOR GAS BURNERS

Ambrose D. Olds, Wichita, Kans., assignor to The Coleman Lamp and Stove Company, Wichita, Kans., a corporation of Kansas

Application May 5, 1941, Serial No. 391,977
4 Claims. (Cl. 158—117.1)

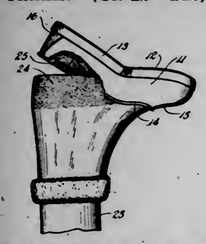
1. In combination with a main burner for fluid fuels, a self-seating valve for shutting off flow of fuel to the main burner, a stem for unseating the valve, a pilot burner for lighting the main

burner, a bimetal thermostat blade having one end registering with the stem of said valve, means for supporting the other end of the thermostat blade in fixed position relatively to the valve, and a shield on a side of the thermostat blade facing the pilot burner and having one end fixed to the thermostat blade at a point spaced from the



means supporting the thermostat blade for providing a point of heat conduction between the shield and thermostat blade, said shield being spaced from the thermostat blade to limit transmission of conducted heat from the pilot flame to the thermostat blade to said point of heat conduction.

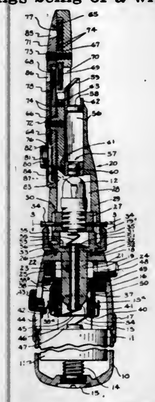
2,365,103
METHOD OF MAKING BOOTS AND SIMILAR ARTICLES OF FOOTWEAR
Frederick F. Olson, Sudbury, Mass., assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application September 22, 1942, Serial No. 459,230
5 Claims. (Cl. 12—142)



1. A method of making a boot or other article of footwear which comprises forming from material subject to injury by hot-vulcanization temperatures a sock-like lining substantially encompassing the foot including the sole thereof, separately forming a shell comprising unvulcanized but vulcanizable rubber and including a sole and one or more elements constituting an upper extending well up on the foot, hot-vulcanizing the rubber shell as a unit while it is still separate from the sock-like lining, thereafter inserting the foot of the lining within the shell as a sock in a shoe, and adhering the lining and the shell together in both the sole region and the upper region.

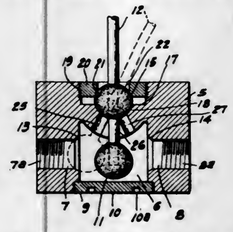
2,365,104
DIAGNOSTIC INSTRUMENT
William F. Peck, Snyder, and Albin A. Gradisar, Buffalo, N. Y., assignors to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application April 10, 1942, Serial No. 438,444
3 Claims. (Cl. 240—2.18)

1. In a device of the character described a member having a light passageway therein, said member having a shouldered portion in said passageway, attachment means adjacent the end having the shouldered portion therein and diametrically opposed openings communicating with the passageway adjacent said shouldered portion, a second member with an end surface and connection means carried by said second member for engagement with the attachment means on said first member having the light passageway therein and a lamp socket having opposed end surfaces in substantially parallel relation with each other, having side bearing surface contact with the shouldered portion and end surface of said second member and substantially diametrically opposed arms carried by said lamp socket and extending outwardly of the diametrically opposed openings with said openings being of a width greater than



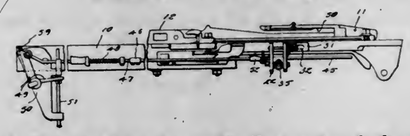
the width of the arms to permit the arms to be manipulated to impart a rotary movement of said lamp socket and said socket being of a diameter less than the diameter of the adjacent portion of the passageway whereby the said socket may be simultaneously adjusted in a sidewise direction relative to the longitudinal axis of the passageway with the connection means functioning cooperatively with the attachment means to clamp the socket between said end surface of the second member and said shouldered portion for securing said socket in adjusted position.

2,365,105
LIQUID CONTROL VALVE
Landis H. Perry, Glendale, Calif.
Application November 15, 1943, Serial No. 510,339
16 Claims. (Cl. 251—13)



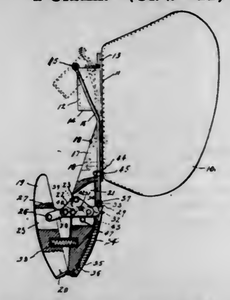
1. A valve body or casing having a bearing recess in one of its side portions and a valve chamber spaced away from said recess, there being a generally arcuate passage leading from said recess to said chamber, a ball member having a bearing in said recess, a globular valve within said valve chamber, and an operating rod extending through said bearing ball and projecting from each side thereof, one end portion of said rod extending through said arcuate passage and having said globular valve fixed to it, there being a liquid flow passage communicating with each of opposite sides or ends of said valve chamber and provided at its juncture with said chamber with a valve seat for said globular valve, there being a groove extending across one side of each end portion of said arcuate passage into which said rod is laterally shiftable at the limit of its swing in order to seat said rod in an adjusted position wherein it maintains said globular valve truly seated upon the valve seat at that side or end of the casing.

2,365,106
LOOM STOP MOTION ATTACHMENT
Samuel T. Pugh, Radford, Va.
Application May 24, 1943, Serial No. 488,243
6 Claims. (Cl. 139—290)



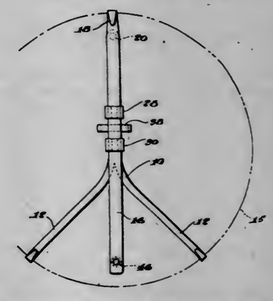
6. The combination with the center fork stop mechanism of a loom, a lay operated bobbin transfer structure and a thread cutter and gripper, of means correlated with the center fork stop mechanism, said transfer structure and said thread cutter and gripper for rendering said stop mechanism effective to stop the loom upon failure of said thread cutter and gripper to hold the thread during the transfer cycle.

2,365,107
PROTECTIVE SHIELD FOR WELDERS
Joseph F. Rakos, Cleveland, Ohio, assignor of one-half to John W. Nelson, Cleveland, Ohio
Application March 17, 1944, Serial No. 526,944
1 Claim. (Cl. 2—11)



A device of the class described, comprising, in combination, a protective shield, a foundation frame connected to the aforesaid shield, a window having a welding glass removably mounted therein hinged at its top to the foundation frame and snugly fitting over it, fixed laterally projecting pins at the top edge of the window, a removably mounted handle on the protective shield having a through slot therein, a grip portion having a slot therein hingedly connected to the handle, a bell crank lever comprising two symmetrically formed spaced plates, a spacer between the plates, a fixed shaft in the bell crank, a pivotally mounted finger in the bell crank lever having a notch adjacent one end adapted to engage the fixed shaft, the end of the finger remote from the notch being curved, a spring mounted in the bell crank and duly functioning to maintain the finger in neutral position and to return the finger to initial position after actuation, the bell crank being pivotally mounted in the slot in the handle, a link member pivoted at one end to the bell crank, its other end being pivotally mounted in the slot in the grip portion, a bifurcated window lifting member positioned externally of the protective shield and having its upper ends pivotally mounted on the laterally projecting pins at the top edge of the window, and having a transverse integral portion adapted to engage the spring controlled finger pivotally mounted in the bell crank, a helical spring mounted in the handle having its lower end connected thereto and its upper end connected to the transverse portion of the window lifting member, a helical spring interposed between the handle on the shield and the grip portion, a stop shaft in the handle to limit the movement of the bell crank in one direction, and a guide member connected to the handle having laterally disposed eyes adapted to guide the movement of the window lifting member on being actuated.

2,365,108
PLATE HANGER
Charles Richards, Quincy, Mass.
Application December 24, 1942, Serial No. 470,010
11 Claims. (Cl. 248—30)

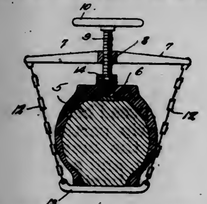


1. A plate hanger for attachment to a plate for wall decoration and display comprising a main supporting member of relatively thin flexible material having provision at its upper end for attachment to the wall and provided at its lower end with forwardly extended, diverging hook portions for engagement with the lower rim portion of the plate, an elongated supporting member having a forwardly extended hook portion at its upper end for engagement with the upper rim portion of the plate, encircling means for retaining the members in assembled relation and to permit longitudinal adjustment of said elongated member, one of said members having a raised portion on one face thereof for cooperation with said encircling means arranged to flex said members to effect frictional locking of the parts in their adjusted position.

2,365,109
TIRE-VULCANIZING CLAMP
Ambrose Ridd, Louisville, Ky.
Application June 1, 1943, Serial No. 489,280
5 Claims. (Cl. 18—18)

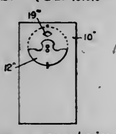
2. A tire casing clamp, comprising a solid core adapted to be fitted within a tire in contact with the inner surface of the tire, a flattened portion formed on the surface of the core and defining a compartment with the casing in which the core is positioned, for the reception of a pad, a hub formed with a threaded opening, arms radiating from the hub, the ends of certain of the arms extending beyond the sides of the tire casing with which the clamp is used, a threaded shank operat-

ing through the threaded opening of the hub of the arms and adapted to exert a pressure on the core, a head swiveled on one end of the threaded shank and adapted to contact with the tire casing under treatment, certain others of said arms being disposed substantially inter-



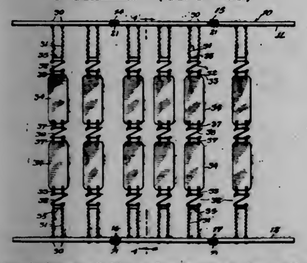
mediate the side edges of said casing under treatment, and having means for directing pressure against the said core, a cross-bar adapted to be fitted under the core, and chains connecting the ends of the cross-bar to the ends of the arms extending beyond the sides of the casing, holding said arms to the casing.

2,365,110
DISPENSING CAP OR CLOSURE FOR CONTAINERS
Eugene A. Rogers, Riverdale, Md.
Application April 12, 1940. Serial No. 329,365
2 Claims. (Cl. 222—548)



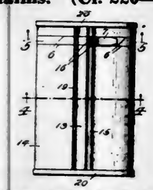
1. A dispenser for a container having a wall formed with a pair of dispensing openings, a flat rotatable closure member disposed in sealing relation against the inner side of said wall and formed with a pouring opening and a concentrated group of shaker openings or perforations, said pouring opening and group of shaker openings being adapted to register respectively with the dispensing openings, an operating member in the form of a segmental dial rotatably mounted on the outer side of said wall and secured to said closure member for rotation therewith, the dial being clear of the openings in the closure member and when in closed position overlying and protecting said dispensing openings.

2,365,111
PATIENT AND BEDDING REMOVER
Robert M. Russell, Woodhaven, N. Y.
Application August 21, 1942, Serial No. 455,599
3 Claims. (Cl. 5—89)



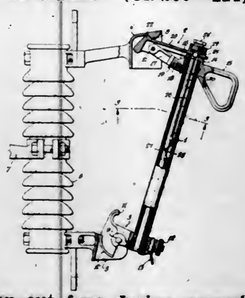
2. A stretcher of the character described comprising rigid longitudinal bearers arranged in spaced relation, and non-rigid transverse bearers arranged between and connected with said longitudinal bearers, each of said transverse bearers comprising plates, spring members adjacent the ends of the plates, linkage connecting the spring members with the plates and additional linkage connecting certain of the spring members with the longitudinal bearers.

2,365,112
RIP STRIP CONTAINER
Herbert Schrader and Bruce B. Gordon, Wheeling, W. Va., assignors to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application March 17, 1943, Serial No. 479,502
3 Claims. (Cl. 220—54)



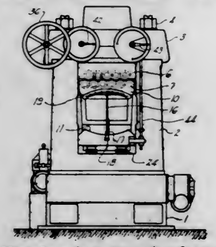
1. In a container, a body having a side seam formed at least in part of interlocked hooks and score lines extending about the body thereof at the position of said interlocked hooks and defining a rip strip, and a winding key receiving tongue extending from the defined rip strip and folded upon itself in and extending freely from the side seam, said tongue being extended from the outermost one of the interlocking hooks and defined in part by slits traversing said outermost hook to and terminating at the juncture thereof with the body so as to leave the infolded part of the tongue free to be pulled out of the seam upon winding of the tongue upon a key while maintaining an unbroken exterior along said side seam.

2,365,113
FUSE DEVICE
William O. Schultz, South Milwaukee, Wis., assignor to Line Material Company, South Milwaukee, Wis., a corporation of Delaware
Application October 10, 1941, Serial No. 414,444
23 Claims. (Cl. 200—114)



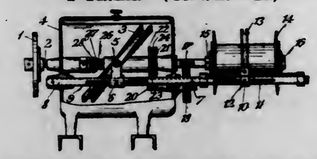
1. A drop-out fuse device comprising a support, a rigid upper terminal and a lower terminal, an expulsion fuse tube open at both ends and movably supported from said support and biased towards motion away from one of said terminals, a fuse link within said fuse tube normally electrically connecting said terminals, and a combined fuse link extracting and latching member biased towards fuse link extracting and unlatching motion and towards engagement with said upper stationary terminal and normally restrained by said fuse link and normally holding said fuse tube against drop-out motion, said combined fuse link extracting and latching member extending directly over at least a part of the open end of said fuse tube, whereby upon rupture of said fuse link gas pressure will assist in the fuse link extracting and unlatching motion of said combined fuse link extracting and latching member.

2,365,114
SHEET ROLLER LEVELER
William D. Shields, Edgeworth, Pa., assignor to Edward W. Voss, Dormont, Pa.
Application May 29, 1943, Serial No. 489,084
8 Claims. (Cl. 153—54)



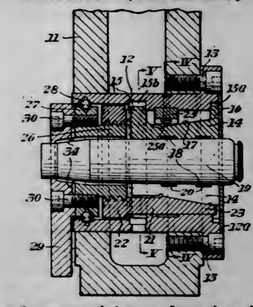
1. In a roller leveler, a set of upper and a set of lower leveling rolls, each consisting of a plurality of rolls of substantial length, the upper and lower rolls being mounted in staggered relation and the lower rolls being mounted to be tiltable on a cradle support; back-up rolls for said leveling rolls mounted on supports movable independently of said leveling roll supports and laterally adjusting means mounted in contact with the movable roll supports of the upper leveling rolls to adjust the back-up rolls to produce the desired roll bend in the leveling rolls.

2,365,115
WINDING MACHINE
Walter Siegenthaler, Erlenbach, Switzerland, assignor to Maschinenfabrik Schärer, Erlenbach, Zurich, Switzerland
Application December 1, 1942, Serial No. 467,495
In Switzerland December 1, 1941
1 Claim. (Cl. 242—43)



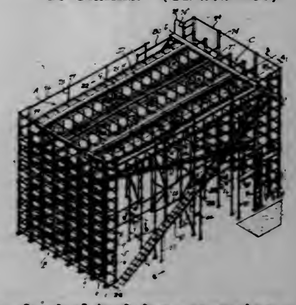
In a winding machine, a gear box having walls constituting a mounting frame, a spindle rotatably mounted in the walls of said box and extending beyond said box at both ends, frictional drive means on one end of said spindle, spool mounting means on the other end of said spindle, a traversing disc, means mounting said disc on said spindle within said box, said disc being rotatable and axially slidable relative to said spindle, a reciprocable thread guide bar mounted in the walls of said box and extending adjacent the winding spool and operable by the traversing disc, a toothed auxiliary wheel located laterally of the spindle, means for driving said auxiliary wheel from said spindle, a pair of toothed wheels, and means rotatably mounting said wheels on said spindle to mesh with said auxiliary wheel, said gears having different numbers of teeth from each other, one of said gears being fixedly connected with the traversing disc so as to drive said disc, said gears having adjacent engaging cam surfaces whereby in operation the relative turning movement of the gears moves the traversing disc axially under the influence of the cam surfaces to alter the movement of the thread guide.

2,365,116
CHUCK FOR MACHINE TOOLS
Theodore H. Sloan, Pittsburgh, Pa., assignor to G. M. S. Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application June 10, 1943, Serial No. 490,294
7 Claims. (Cl. 279—57)



1. A chuck comprising a housing having a cylindrical bore, a plurality of collet segments disposed in said bore having outwardly extending lugs cooperating with the housing to prevent movement of the segments longitudinally thereof, the outer surfaces of said segments being frustoconical in shape, and a collet sleeve having a nut co-axial therewith at one end, a frusto-conical interior surface embracing said segments and a cylindrical outer surface slidable in said bore, a screw extending into said nut, and a thrust bearing carried by said housing, said screw being rotatable on said bearing.

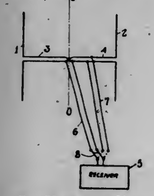
2,365,117
PHYSICAL EXERCISING OR TRAINING APPARATUS
George T. Stafford, Urbana, Ill., and Frank Albach, St. Louis, Mo., assignors, by mesne assignments, to Potomac Engineering Corporation, Chicago, Ill., a corporation of Delaware
Application January 10, 1942. Serial No. 426,290
10 Claims. (Cl. 272—60)



1. In physical training apparatus, a structural member comprising a pair of sections each made up of companion channels, means for securing the channels of each section together with their

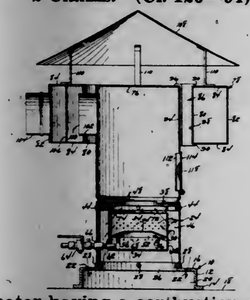
flanges in edgewise abutting relation, some of said channels having notches in the end margins of their respective webs, and a splice-member comprising a bar embraced by the end notches of said channels and end members of I-section disposed within and fixed to the channels of said sections for securing the sections together in end-to-end relation.

2,365,118
ELECTRICAL APPARATUS
Frederick Richmond Wentworth Strafford, London, England, assignor to A. C. Cossor Limited, London, England, a British company
Application August 25, 1942, Serial No. 456,013
In Great Britain September 13, 1941
12 Claims. (Cl. 250—11)



1. A direction finding radio receiving system comprising a pair of half wave dipoles spaced half a wavelength apart, a pair of feeders having their input ends connected one to each dipole and their output ends connected to each other, a second pair of feeders, one having its input end connected to the junction of said first pair of feeders and the other having its input end connected to a tapping on one of said first pair of feeders, a radio receiver, and switching means to connect said receiver alternatively to the output end of either of said second pair of feeders.

2,365,119
TOBACCO CURER
John A. Tharrington, Rocky Mount, N. C.
Application May 4, 1942, Serial No. 441,687
2 Claims. (Cl. 126—94)



1. A heater having a combustion chamber and a rectangular cross-section outlet conduit encircling and spaced from the chamber and having communication with the latter, a plurality of supports each comprising an elongated body disposed vertically against the side wall of the chamber, a right angular flange at the upper end of the body disposed to rest on the top of the chamber to support the body thereon, a flange extending lengthwise of the body and projecting outwardly therefrom, and projections on the last named flange extending transversely from its outer edge for engaging the conduit to support the same on the chamber.

2,365,120
ELECTRIC SWITCH
Thomas W. Thirlwell, Akron, Ohio
Application January 4, 1943, Serial No. 471,261
1 Claim. (Cl. 200—153)



In a switch, an insulated body having a recess therein, a lever pivoted in said recess for turning to on and off positions, said lever having a recess in one side face thereof shaped to provide a camming surface inclined axially of the lever and in a direction concentric with the pivot, a fixed contact mounted on the body and spaced laterally of the recessed face of the lever, a resilient contact arm having one end fixed to the body and extending transversely of the lever, said arm being bent longitudinally to offset its other end transversely with relation to its fixed end so that said other end of the arm is biased into the recess of the lever when the latter is in off position, and a contact carried by said other end of the arm movable into engagement with the fixed contact by engagement of the arm with the camming surface of the lever when the latter is turned to on position.

2,365,121
REFINING OF PHENOLIC RESINS Zn-$NaHSO_4$ MIXTURE
William N. Traylor, Hattiesburg, Miss., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 18, 1941, Serial No. 389,173
15 Claims. (Cl. 260—19)

1. A process for refining a soluble-fusible phenol-aldehyde resin which comprises treating said soluble-fusible phenol-aldehyde resin dissolved in a suitable solvent with nascent hydrogen formed by the reaction of an acidic reactant containing ionizable hydrogen and a metal above hydrogen in the electromotive series in contact with said soluble-fusible phenol-aldehyde resin, and in the presence of at least a small amount of water.

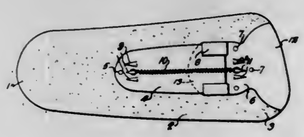
2,365,122
REFINING OF MODIFIED ALKYD RESINS
William N. Traylor, Hattiesburg, Miss., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 18, 1941, Serial No. 389,175
14 Claims. (Cl. 260—22)

1. A process for refining a modified alkyd resin which comprises treating said modified alkyd resin dissolved in a suitable solvent with nascent hydrogen formed by the reaction of an acidic reactant containing ionizable hydrogen with a metal above hydrogen in the electromotive series in contact with said modified alkyd resin, and in the presence of at least a small amount of water.

2,365,123
REFINING OF COUMARONE-INDENE RESINS
William N. Traylor, Hattiesburg, Miss., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 18, 1941, Serial No. 389,176
12 Claims. (Cl. 260—81)

1. A process for refining a coumarone-indene resin which comprises treating said coumarone-indene resin with a metal above hydrogen in the electromotive series and an acid salt of a polybasic inorganic acid selected from the group consisting of sulfuric acid and phosphoric acid in the presence of at least a small amount of water.

2,365,124
ARCH SUPPORT
Aron Uger, Hamilton, Ontario, Canada
Application November 27, 1943, Serial No. 512,030
2 Claims. (Cl. 36—71)

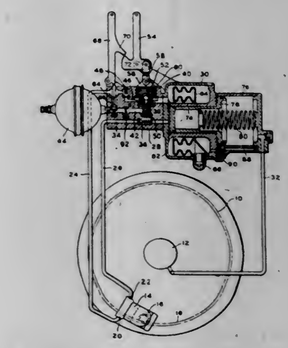


1. An arch support of the character described comprising a leather-like flexible arched member adapted to rest upon the insole of a shoe, an arched flexible metallic plate positioned underneath the arched portion of said member and secured at its rear end to the member, a second metallic plate secured to the bottom face of the leather-like member and extending rearwardly from the front edge of the leather-like member and slidably resting upon the insole of the shoe and against the lower face of which the forward end of the flexible metallic plate slidably rests, lips formed on the sides of the second metallic plate intermediately of its length and turned over to engage the bottom of the forward end of the flexible metallic plate to retain the plates in sliding engagement with one another, and a spiral spring secured at one end to the rear end of the flexible metallic plate and at its front end to the front plate and tending to draw the rear end of the flexible metallic plate towards the front plate to resiliently retain the flexible metallic plate in its arched form.

2,365,125
NICKEL CATALYST
Hans W. Vahlteich, Edgewater, and Ralph H. Neal, Jersey City, N. J., assignors, by mesne assignments, to The Best Foods, Inc., New York, N. Y., a corporation of New Jersey
No Drawing. Application February 28, 1942, Serial No. 432,828
7 Claims. (Cl. 252—224)

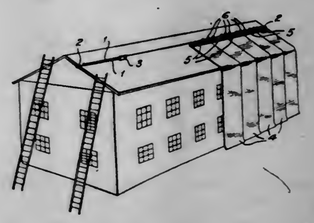
5. An active nickel catalyst prepared by heating a nickel salt of an organic acid in a mixture of white mineral oil and a fatty oil containing about 4 to 14 parts by weight of white mineral oil and about ¼ to 1 part by weight of fatty oil and one part of nickel to decomposition temperatures under a vacuum of about 10 to 25 inches of mercury.

2,365,126
POWER TRANSMISSION
Harry F. Vickers and Raymond C. Griffith, Detroit, Mich., assignors to Vickers Incorporated, Detroit, Mich., a corporation of Michigan
Application March 2, 1943, Serial No. 477,734
5 Claims. (Cl. 244—103)



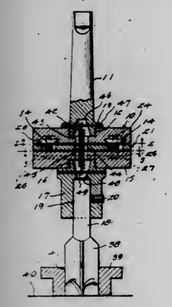
1. A power transmission system for use on aircraft having a landing wheel with a fluid-operated brake and comprising in combination, a fluid pump or motor unit connected in driving relation with the wheel, a fluid pressure accumulator, conduits forming an inlet and outlet to the unit, a fluid reservoir, valve means selectively operable to cause the unit to act as a pump and for supplying fluid from the unit outlet to the brake and accumulator, and additional valve means for selectively supplying fluid from the accumulator to the unit inlet to thereby cause the unit to act as a motor and impart rotation to the wheel.

2,365,127
CONFLAGRATION-RETARDATIVE CURTAIN
Paul Rhoads Wagner, San Diego, Calif.
Application November 6, 1942, Serial No. 464,701
2 Claims. (Cl. 160—120)



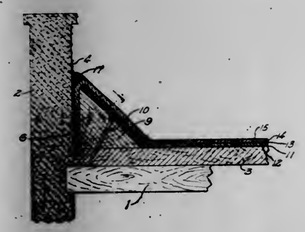
1. In a conflagration-retardative curtain, the combination of a plurality of fire-resistant curtain sections being adapted to be rolled up into portable bundles and each section being provided with fastening means on the outside end of the section roll, a cable stretched across the roof of a building and fastened substantially parallel to a side of the building, said fastening means of the sections being attachable at spaced points to said cable, whereby each section roll may unroll itself by gravity and afford part of a protective curtain hanging down a side of the building substantially as set forth.

2,365,128
SQUARE HOLE DRILL
Fred R. Wahl, Chicago, Ill.
Application November 8, 1943, Serial No. 509,501
7 Claims. (Cl. 77—61)



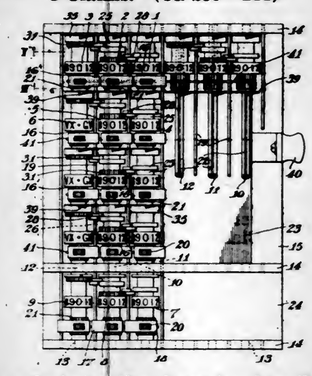
1. A polygonal drill bit chuck comprising an upper and a lower plate, each plate having a pair of truncated V-shaped channels with the channels of one plate at right angles to the channels of the other plate, a shank extending from the upper side of said upper plate, a roller carrier interposed between said plates including an intermediate plate and rollers carried by said intermediate plate engaging in said channels, and a bit chuck carried by said lower plate.

2,365,129
BUILT-UP ROOF
Arthur Winding, Milwaukee, Wis.
Application June 7, 1943, Serial No. 489,899
4 Claims. (Cl. 108—26)



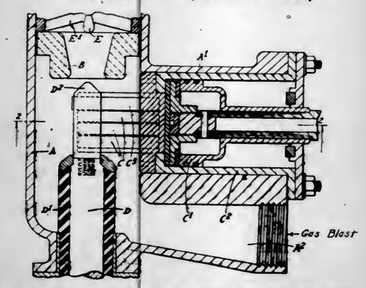
4. In a roofing construction, a roof deck and an upstanding marginal wall therefor, a sheet of roofing material having a lower portion and an upper portion, said lower portion being adhered to said upstanding marginal wall, a rigid member having a surface flatly engaging with said lower portion of the sheet, means fixedly securing said rigid member to press the lower portion of said sheet against said upstanding wall, and a layer of roofing material on said roof deck having a marginal edge portion terminating adjacent said marginal wall, the upper portion of said sheet being folded downwardly of said rigid member into bonded engagement with said layer of roofing material at a point spaced from said marginal edge, with the said rigid member and the said marginal edge enclosed within said fold.

2,365,130
SCORING DEVICE FOR THE GAME OF BRIDGE
Mohamed Aref Zulficar, London, England
Original application May 13, 1940, Serial No. 334,935, now Patent No. 2,302,989, dated November 24, 1942. Divided and this application October 22, 1942, Serial No. 462,956. In Great Britain August 16, 1939
3 Claims. (Cl. 235—144)



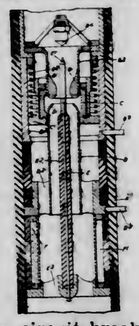
1. In a device of the character described, a rotatable registering wheel having a zero indicating position, and means to return said wheel to its zero indicating position following rotation of the same from said position, said means comprising a planar friction member engaged with the periphery of said wheel and reciprocable to rotate the same, a ratchet wheel fixed with respect to said registering wheel for rotation therewith, and a fixedly positioned pawl for cooperation with said ratchet wheel to stop the same and thereby stop said registering wheel in its zero indicating position as said wheels are rotated by planar movement of said friction member.

2,365,131
ALTERNATING CURRENT ELECTRIC CIRCUIT BREAKER OF THE GAS-BLAST TYPE
Donald Foster Amer and Walter Henry Webb, Newcastle-on-Tyne, England, assignors to A. Reyrolle & Company Limited, Hebburn-on-Tyne, England, a company of Great Britain
Application June 16, 1941, Serial No. 398,354
In Great Britain June 17, 1940
10 Claims. (Cl. 200—148)



1. An A. C. electric circuit-breaker comprising a generally cylindrical casing, a nozzle of insulating material fixed within the casing, means for admitting gas under pressure to one end of the casing so that a blast of gas will flow through the nozzle, a pair of fixed arcing contacts disposed approximately in alignment with the nozzle respectively on the high and low pressure sides thereof, relatively movable arc-initiating contacts normally forming part of an electrical connection between the two fixed arcing contacts but separable in a direction substantially parallel to the arc gap between such contacts to break such connection, and means whereby the gas pressure causes the movable arc-initiating contact to be withdrawn from its cooperating contact and thereby to draw out an arc which is immediately transferred by the gas-blast to a position in which it extends through the nozzle between the two fixed arcing contacts, the gas-blast then acting to assist in extinguishing the arc.

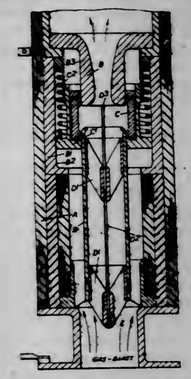
2,365,132
ELECTRIC CIRCUIT BREAKER OF THE GAS-BLAST TYPE
Donald Foster Amer, Newcastle-on-Tyne, and Arthur Rawling, Wallsend-on-Tyne, England, assignors to A. Reyrolle & Company Limited, Hebburn-on-Tyne, England, a company of Great Britain
Application September 29, 1942, Serial No. 460,160
In Great Britain September 25, 1941
16 Claims. (Cl. 200—148)



1. An electric circuit-breaker comprising in combination a restricted vent through which a blast of deionising gas flows to assist in extinguishing the arc, arcing contacts so arranged that the arc between them extends generally centrally through the vent and the gas-blast flows along and all round the arc one of such contacts being located on the high pressure side and the other on the low pressure side of the vent, an auxiliary electrode, a resistance through which such electrode is connected to the said arcing contact on the high pressure side, means insulating said electrode from the arcing contact on the low pressure side and means for supporting the auxiliary electrode wholly from the high pressure side of the vent, the auxiliary electrode being so arranged that any restriking of the arc will take place in series with the resistance to such electrode rather than to the said arcing contact on the high pressure side.

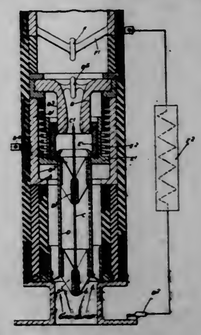
2,365,133
ELECTRIC CIRCUIT BREAKER OF THE GAS-BLAST TYPE
Donald Foster Amer and Walter Henry Webb, Newcastle-on-Tyne, England, assignors to A. Reyrolle & Company Limited, Hebburn-on-Tyne, England, a company of Great Britain
Application September 29, 1942, Serial No. 460,161
In Great Britain September 25, 1941
7 Claims. (Cl. 200—148)

1. An electric circuit-breaker, including in combination a nozzle of conducting material, means whereby a blast of deionising gas is caused to flow through the nozzle, a pair of fixed arcing contacts, one of which is situated at the low pressure end the nozzle, means for supporting the other fixed arcing contact from the high pressure side of the nozzle, a fixed arc initiating contact electrically connected to such other arcing contact, a movable arc initiating contact permanently connected electrically to the nozzle and normally engaging with the fixed arc initiating contact and thereby bridging the electrical gap between the two arcing contacts, spring means for urging the movable contact towards its normal



position, and a piston carried by the movable contact and exposed to the pressure of the gas-blast against the spring action whereby such gas pressure causes the movable contact to move remaining connected to the nozzle but breaking contact with the fixed arc initiating contact and thereby drawing out the arc on the high pressure side, the arc being blown by the gas-blast so that one arc root moves along the nozzle from the high pressure end to the low pressure end thereof and the arc is caused to take up a position favorable to arc extinction extending between the two fixed arcing contacts.

2,365,134
ELECTRIC CIRCUIT BREAKER OF THE GAS-BLAST TYPE
Donald Foster Amer, Newcastle-on-Tyne, England
Application September 29, 1942, Serial No. 460,162
In Great Britain April 15, 1940
10 Claims. (Cl. 200—148)



1. An electric circuit-breaker comprising in combination a nozzle of conducting material

through which a blast of deionising gas flows to assist in extinguishing the arc, a pair of arc-initiating contacts constituted respectively by a fixed conducting tube disposed substantially in axial alignment with the nozzle on the high pressure side thereof and by a bridging contact member normally connecting such tube with the nozzle but axially movable to break such connection, a fixed arcing contact constituted by a rod disposed within and electrically connected to the tube, a second arcing contact disposed in the low pressure zone with respect to the nozzle, means for separating the arc-initiating contacts and thereby drawing out an arc between them, such arc being transferred by the gas-blast from the arc-initiating contacts to the arcing contacts so that when so transferred it extends generally centrally through the nozzle, an auxiliary electrode mounted on the low pressure side of the second arcing contact and insulated therefrom, and a resistance through which such auxiliary electrode is connected to the arcing contact rod.

2,365,135

MANUFACTURE OF TITANIUM PIGMENTS

Robert William Ancrum, Stockton-on-Tees, England, assignor to Titan Company Incorporated, New York, N. Y., a corporation of Delaware

No Drawing. Application April 15, 1942, Serial No. 439,077. In Great Britain July 3, 1941
7 Claims. (Cl. 106—300)

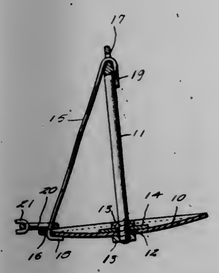
1. Method for the preparation of improved rutile titanium dioxide pigments which comprises calcining anatase titanium dioxide admixed with a compound selected from the group consisting of antimony oxides and antimony compounds which yield oxides under the conditions of calcination until by X-ray examination the anatase titanium dioxide is substantially completely converted to rutile titanium dioxide and then protracting the rate of cooling of the calcined pigment to 300° C. over a period from upwards of fifteen minutes to about five hours.

2,365,136

BOAT ANCHOR

Herman Behrens, Essex, N. Y.

Application December 23, 1942, Serial No. 469,944
3 Claims. (Cl. 114—206)



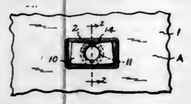
1. An anchor of the class described comprising a disc, a stem extending centrally from the disc, a rod disposed angularly with respect to the stem attached to the latter and to the disc, and rope attaching means slidable along said rod, between the stem and disc.

2,365,137

NUT INSTALLATION FOR BLIND FASTENINGS

Frank E. Johnson, Malden, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts

Application December 21, 1942, Serial No. 469,656
3 Claims. (Cl. 85—32)



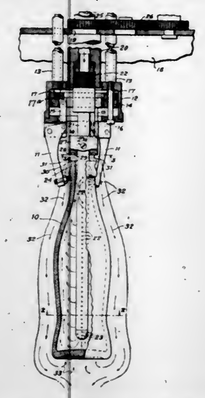
1. In combination with a support having a circular aperture, a nut for attachment thereto comprising an elongated flat base formed with a central tubular barrel extending from one face thereof and providing a central screw-receiving bore through said barrel, said barrel and said base being gapped from one longitudinal edge of said base to the end of said barrel, and said base being bowed longitudinally in the plane thereof providing resiliently connected barrel sections adapted to be snapped into said support aperture, said barrel sections being radially expansible by a screw threaded into said bore into locking engagement with said apertured support, and said expanded barrel sections exerting a tension on said screw thereby resisting turning movement thereof in an unthreading direction.

2,365,138

METHOD OF AND APPARATUS FOR TEMPERING HOLLOW GLASS ARTICLES

Charles E. Mongan, Jr., Hartford, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware

Application February 27, 1942, Serial No. 432,584
13 Claims. (Cl. 49—45)



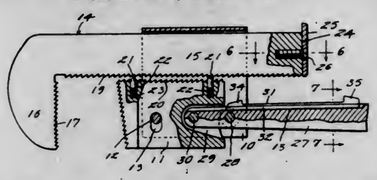
1. The method of tempering a bottle, jar or other hollow glass article that is closed at one end and open at the opposite end thereof, which comprises directing gaseous chilling fluid under pressure against the inner surface of said article when the latter is at a suitable tempering temperature above its strain point and thence out of the article through the open end thereof rapidly to chill said inner surface to a temperature below said strain point, and directing the same fluid, when it has emerged from the open end of said article, against the outer surface of the article to chill said outer surface.

2,365,139

WRENCH

Lawrence C. Newberry, Long Beach, Calif.

Application March 31, 1943, Serial No. 481,309
4 Claims. (Cl. 81—102)



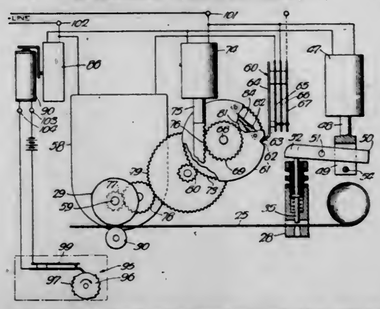
1. A wrench comprising a saddle, a jaw slidable therein, a jaw block, means mounting the jaw block for movement with the saddle and for movement independently of the saddle into and out of engagement with the jaw, said jaw block having a recess, a lever pivoted to the jaw block within the recess and to the saddle operative to effect the last-mentioned movement, and means to secure the handle and block against relative movement when the block is engaged with the jaw, comprising means slidable into the recess to bridge the space between the lever and the opposed wall of the recess.

2,365,140

RECORDING MECHANISM MOTOR CONTROL

Raymond J. Spies and Philip M. Spies, Chicago, Ill.

Application March 8, 1941, Serial No. 382,424
2 Claims. (Cl. 172—239)



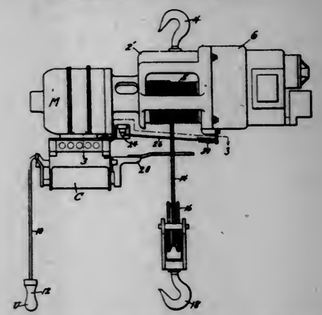
2. Motor control mechanism of the class described, comprising an electric motor, an electric switch for controlling the operation of said motor, electric impulse actuated means for closing said switch, said last mentioned means comprising a rotary cam having a recessed portion for receiving a part of said motor switch in open position, an electro-magnetically actuated cam operating member operatively connected to said cam for rotating the same in one direction upon delivery of an electric impulse to the mechanism, said member being movable between fixed limits and operative to move said cam only a predetermined distance from open switch position to a closed switch position, a one-way driving connection between said motor and said cam for effecting return rotary movement of said cam to open switch position upon operation of said motor for a predetermined length of time, said one-way driving connection serving to permit said cam to be freely rotated in one direction by said electro-magnetically actuated cam operated member and serving to permit repeated operation of said member during the return movement of said cam and incidental, repeated movement of said cam to said closed switch position, whereby said cam is operative to maintain said switch in closed position and said motor in operation for a predetermined length of time from the delivery of the last of a series of electric impulses delivered to the mechanism, and a normally open, electro-magnetically controlled switch for controlling said electro-magnetically actuated cam operating member.

2,365,141

POWER-OPERATED HOIST

John Sully, Joliet, Ill., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey

Application June 6, 1942, Serial No. 446,102
7 Claims. (Cl. 254—173)



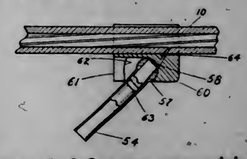
6. In a power operated hoisting apparatus, a motor, a control circuit for the motor, a hoisting drum driven by said motor, a live hoist cable normally winding on and unwinding from one side of said drum, and means operating to break said control circuit and stop said motor upon movement of said live hoist cable toward the other side of said hoist drum, said means comprising a normally closed switch located in a part of the motor circuit and operable by a control device extending across the face of said hoist drum and positioned in the path of sidewise movement of said hoist cable in moving from one side of the drum to the other.

2,365,142

FIREARM

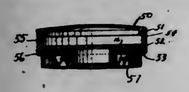
Russell J. Turner, Butler, Pa.

Application January 3, 1942, Serial No. 425,541
10 Claims. (Cl. 42—3)



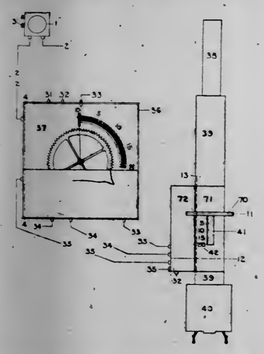
1. A gas operated firearm comprising a barrel, a cylinder block secured to the barrel, a socket in the form of an arcuate sealing surface on said block, a vent connecting the socket to the bore of the barrel, a projection on the block to the rear of said socket, a gas cylinder having a sealing surface complementary to the arcuate sealing surface of the socket arranged to be inserted into the socket and swung into place, and means on said cylinder arranged to engage said projection to seat said sealing surfaces and retain the cylinder in place.

2,365,143
MULTIPLE CONTAINER
William M. Emery, Shaker Heights, Ohio
Application February 16, 1944, Serial No. 522,548
12 Claims. (Cl. 132—82)



8. In a container, the combination of an imperforate bottom section, a hollow wall section integral therewith, a lid screw threaded thereto, said parts defining a relatively flat cavity suitable for keeping face powders and the like, a plurality of small cups arranged each adjacent to the other and suitable for containing cosmetic pastes and the like and threaded means to mount each of said cups on the bottom section so that they depend downwardly therefrom.

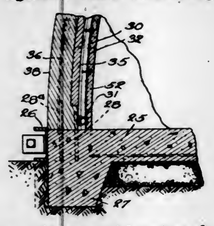
2,365,144
AUTOMATIC OVERLEAD GUN SIGHT
Marcus Lipscomb Moremen, Jacksonville, Fla., assignor of one-tenth to John M. Mason, Washington, D. C.
Application December 21, 1942, Serial No. 469,639
12 Claims. (Cl. 33—49)



1. In a device for automatically controlling overlead in a gun sight the combination of, a light sensitive element, means for translating electrical energy into mechanical movement in proportion to the amount of electrical energy delivered to said means by said element, first circuit means for connecting said light sensitive element to said translating means, and means including adjustable means forming part of said translating means, gun sight adjusting means and a second circuit means connected to said adjusting means and translating means whereby said gun sight is automatically adjusted to vary the angular relation between the gun axis and the apparent line of sight to the target according to light changes affecting said light sensitive means.

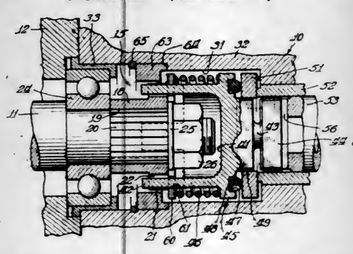
2,365,145
BUILDING CONSTRUCTION
Wallace Neff, Hollywood, Calif.
Application April 3, 1941, Serial No. 386,726
17 Claims. (Cl. 72—1)

1. A thin-shell concrete structure comprising a foundation, a shell-form permanent centering comprising a plurality of prefabricated sections assembled together on and secured to said foundation, and a shot-concrete continuous outer shell placed against said centering for support



thereby during setting, said outer shell being substantially self-sustaining upon setting.

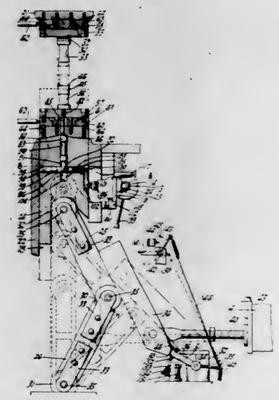
2,365,146
PUMP SHAFT SEAL ASSEMBLY
Edmund F. Wichorek, Cleveland, Ohio, assignor to Pesco Products Co., a corporation of Ohio
Application February 16, 1942, Serial No. 431,063
6 Claims. (Cl. 286—7)



1. A flexible rotary coupling arrangement including a first housing having a shaft journalled therein and protruding therefrom, a first rotary coupling sub-assembly fixed on said shaft and normally retained thereon, a second housing formed with a bore therein containing a second rotary coupling sub-assembly normally confined therein, said second housing being provided with means for attaching the same to said first housing with said bore embracing said shaft and first named sub-assembly, said sub-assemblies each being formed with interfitting elements operable in response only to the movement of said second housing into mounting position on said first housing to bring said interfitting elements into torque transmitting relation, said second coupling sub-assembly comprising a rotary tubular member, a coil compression spring embracing said tubular member, a flange extending radially from said tubular member and engaged by one end portion of said compression coil spring, means within said bore for confining said spring against said flange under limited compression when said coupling sub-assemblies are in disassembled relation, said means being responsive to the movement of said sub-assemblies into torque transmitting relation to move said coil compression spring away from said confining means and further compress the same in the direction of said flange a predetermined amount.

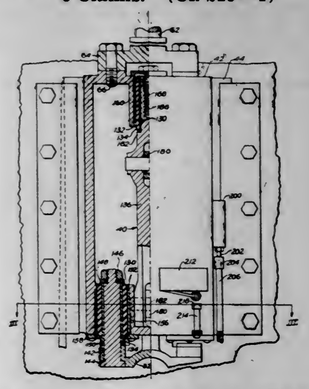
2,365,147
RIVETING MACHINE
Thomas H. Speller, Williamsville, N. Y., assignor, by mesne assignments, to Wilbur Johndrew, Buffalo, N. Y.
Application January 31, 1941, Serial No. 376,789
30 Claims. (Cl. 78—48)

25. A riveting machine, comprising a pair of relatively movable anvils, operating means associated with said anvils for effecting a riveting operation, and dimensional control means associated with said operating means and movable



relatively to one of said anvils upon contact with the surface of a workpiece for determining the thickness of the rivet head.

2,365,148
APPARATUS FOR WELDING
Malcolm S. Clark, Warren, Ohio, assignor to The Federal Machine and Welder Company
Original application May 22, 1941, Serial No. 394,595. Divided and this application September 25, 1943, Serial No. 503,778
6 Claims. (Cl. 219—4)

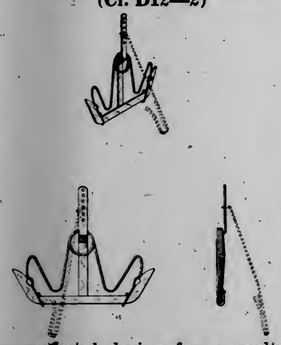


3. In combination in electric resistance welding apparatus, a normally stationary die, a cooperating die, a movable member, and a plurality of rubber units mounting the cooperating die in the movable member, each unit including inner and outer metal sleeves and a body of rubber vulcanized to and between the sleeves.

DESIGNS

DECEMBER 12, 1944

139,673
DESIGN FOR A POULTRY SHACKLE
Frank J. Bilek, Chicago, Ill., assignor to The Globe Company, Chicago, Ill., a corporation of Illinois
Application September 25, 1944, Serial No. 115,451
Term of patent 14 years
(Cl. D12—2)



The ornamental design for a poultry shackle, substantially as shown and described.

139,674
DESIGN FOR A PIN OR SIMILAR ARTICLE
Marcel Boucher, New York, N. Y.
Application October 30, 1944, Serial No. 116,033
Term of patent 3½ years
(Cl. D45—19)



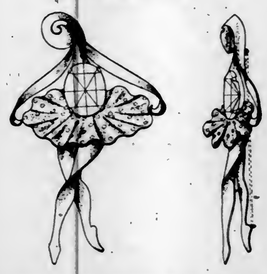
The ornamental design for a pin or similar article, substantially as shown.

139,675
DESIGN FOR A PIN OR SIMILAR ARTICLE
Marcel Boucher, New York, N. Y.
Application October 30, 1944, Serial No. 116,034
Term of patent 3½ years
(Cl. D45—19)



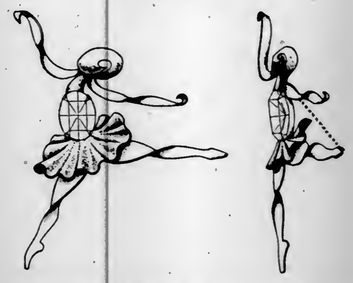
The ornamental design for a pin or similar article, substantially as shown.

139,676
DESIGN FOR A PIN OR SIMILAR ARTICLE
Marcel Boucher, New York, N. Y.
Application October 30, 1944, Serial No. 116,035
Term of patent 3½ years
(Cl. D45—19)



The ornamental design for a pin or similar article, substantially as shown.

139,677
DESIGN FOR A PIN OR SIMILAR ARTICLE
Marcel Boucher, New York, N. Y.
Application October 30, 1944, Serial No. 116,037
Term of patent 3½ years
(Cl. D45—19)



The ornamental design for a pin or similar article, substantially as shown.

139,678
DESIGN FOR AN EARRING OR SIMILAR ARTICLE
Marcel Boucher, New York, N. Y.
Application October 30, 1944, Serial No. 116,036
Term of patent 3½ years
(Cl. D45—9)



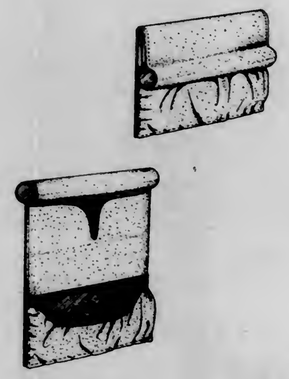
The ornamental design for an earring or similar article, substantially as shown.

139,679
DESIGN FOR A TOY GUN
Seth Earl Dahlquist, Cadillac, Mich.
Application August 12, 1944, Serial No. 114,855
Term of patent 7 years
(Cl. D34—15)



The ornamental design for a toy gun, as shown.

139,680
DESIGN FOR A HANDBAG
Eric de Kolb, New York, N. Y.
Application October 11, 1944, Serial No. 115,717
Term of patent 3½ years
(Cl. D87—3)



The ornamental design for a handbag, substantially and shown and described.

139,681
DESIGN FOR A HANDBAG
Eric de Kolb, New York, N. Y.
Application October 26, 1944, Serial No. 115,976
Term of patent 3½ years
(Cl. D87—3)



The ornamental design for a handbag, substantially as shown and described.

139,682
DESIGN FOR A HANDBAG
Eric de Kolb, New York, N. Y.
Application October 26, 1944, Serial No. 115,978
Term of patent 3½ years
(Cl. D87—3)



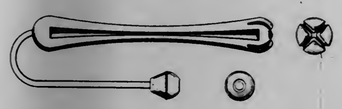
The ornamental design for a handbag, substantially as shown and described.

139,683
DESIGN FOR A CLASP FOR A HANDBAG OR SIMILAR ARTICLE
John De Pasquale and Alexander Westerman, Brooklyn, N. Y., assignors to Hardy Metal Specialties, Inc., Brooklyn, N. Y., a corporation of New York
Application June 7, 1944, Serial No. 113,887
Term of patent 7 years
(Cl. D87—2)



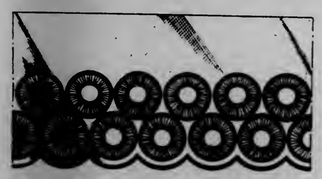
The ornamental design for a clasp for a handbag or similar article, substantially as shown.

139,684
DESIGN FOR A HAIR CURLER
Samuel Grant, Chicago, Ill., assignor to Products Development, Inc., Chicago, Ill., a corporation of Illinois
Application August 21, 1944, Serial No. 114,959
Term of patent 14 years
(Cl. D86—10)



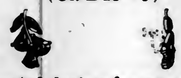
The ornamental design for a hair curler, substantially as shown.

139,685
DESIGN FOR AN EMBROIDERED FABRIC
Lewis H. Hollander, New York, N. Y.
Application October 25, 1944, Serial No. 115,957
Term of patent 3½ years
(Cl. D92—1)



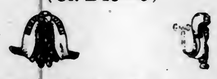
The ornamental design for an embroidered fabric, substantially as shown.

139,686
DESIGN FOR AN EARRING
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application September 21, 1944, Serial No. 115,398
Term of patent 7 years
(Cl. D45—9)



The ornamental design for an earring, substantially as shown.

139,687
DESIGN FOR AN EARRING
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application September 23, 1944, Serial No. 115,434
Term of patent 7 years
(Cl. D45—9)



The ornamental design for an earring, substantially as shown.

139,688
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application October 11, 1944, Serial No. 115,723
Term of patent 7 years
(Cl. D45—9)



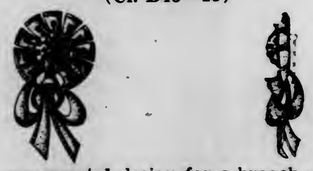
The ornamental design for a brooch or similar article, substantially as shown.

139,689
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application October 11, 1944, Serial No. 115,724
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

139,690
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application October 11, 1944, Serial No. 115,725
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

139,691
DESIGN FOR A SEPARABLE BROOCH
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application October 19, 1944, Serial No. 115,851
Term of patent 7 years
(Cl. D45—19)



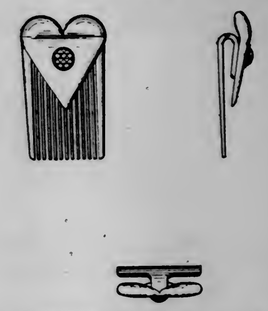
The ornamental design for a separable brooch, substantially as shown.

139,692
DESIGN FOR A SEPARABLE BROOCH
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application October 19, 1944, Serial No. 115,853
Term of patent 7 years
(Cl. D45—19)



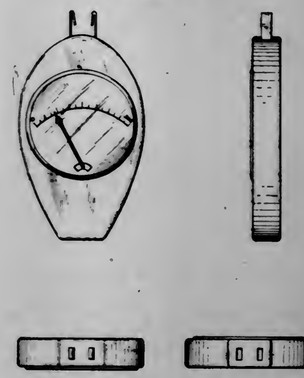
The ornamental design for a separable brooch, substantially as shown.

139,693
DESIGN FOR A COMB
Robert Lester Motley, Dayton, Ohio, assignor of fifty per cent to John W. Dickerson, Newark, N. J.
Application September 2, 1944, Serial No. 115,172
Term of patent 14 years
(Cl. D86—8)



The ornamental design for a comb, as shown.

139,694
DESIGN FOR A CASE FOR METERS OR SIMILAR ARTICLE
Robert T. Oelrich, Chicago, Ill.
Application July 29, 1944, Serial No. 114,626
Term of patent 14 years
(Cl. D52—2)



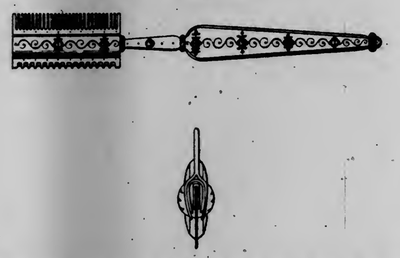
The ornamental design for a case for meters, or similar article, as shown.

139,695
DESIGN FOR A BROOCH PIN
Alfred Philippe, New York, N. Y.
Application September 29, 1944, Serial No. 115,522
Term of patent 7 years
(Cl. D45—19)



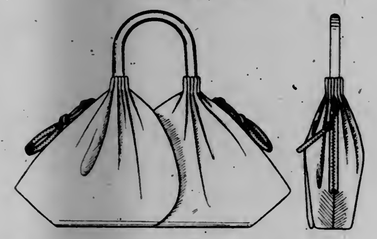
The ornamental design for a brooch pin, substantially as shown.

139,696
DESIGN FOR A COMBINED COMB, RAZOR, AND RULE
Vincent R. Pileggi, Philadelphia, Pa.
Application March 30, 1944, Serial No. 113,088
Term of patent 14 years
(Cl. D86—8)



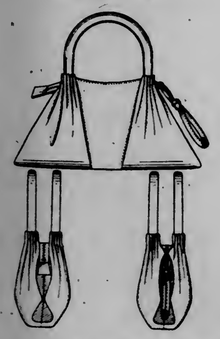
The ornamental design for a combined comb, razor, and rule, substantially as shown.

139,697
DESIGN FOR A HANDBAG
Frank H. Rath, Garden City, N. Y.
Application October 26, 1944, Serial No. 115,980
Term of patent 7 years
(Cl. D87—3)



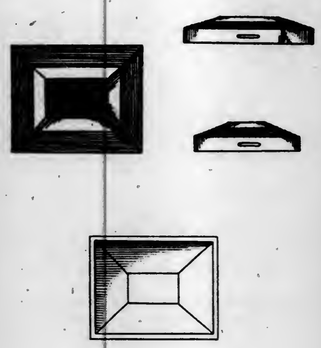
The ornamental design for a handbag, substantially as shown and described.

139,698
DESIGN FOR A HANDBAG
Frank H. Rath, Garden City, N. Y.
Application October 26, 1944, Serial No. 115,981
Term of patent 7 years
(Cl. D87—3)



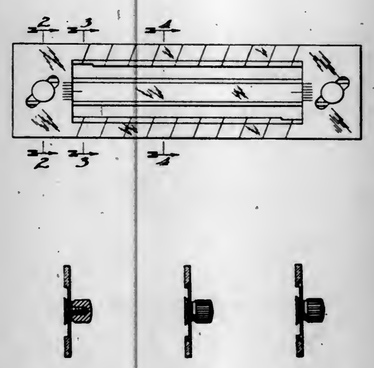
The ornamental design for a handbag, substantially as shown and described.

139,699
DESIGN FOR A PLASTIC UNIT FOR USE ON HANDBAGS OR THE LIKE
Irwin M. Robbins, New York, N. Y.
Application August 11, 1944, Serial No. 114,840
Term of patent 7 years
(Cl. D87—3)



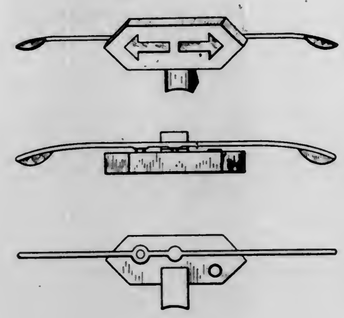
The ornamental design for a plastic unit for use on handbags or the like, substantially as shown and described.

139,700
DESIGN FOR AN ADJUSTABLE LETTERING DEVICE
John A. Truhon, Detroit, Mich.
Application September 9, 1944, Serial No. 115,242
Term of patent 14 years
(Cl. D52—1)



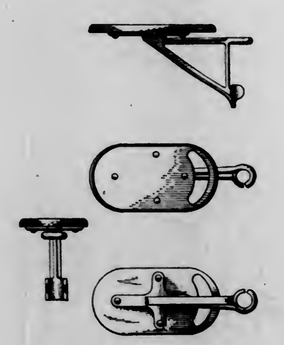
The ornamental design for an adjustable lettering device, as shown.

139,701
DESIGN FOR A COMBINED DIRECTION INDICATING SIGNAL AND SWITCH
Peter Benoit, Alexandria, Ontario, Canada
Application April 5, 1944, Serial No. 113,157
Term of patent 7 years
(Cl. D72—1)



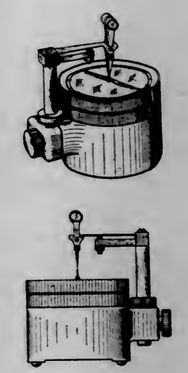
The ornamental design for a combined direction indicating signal and switch, as shown.

139,702
DESIGN FOR A MILKING STOOL
Emil J. Castle, Lenox, Mich.
Application September 29, 1944, Serial No. 115,529
Term of patent 7 years
(Cl. D23—1)



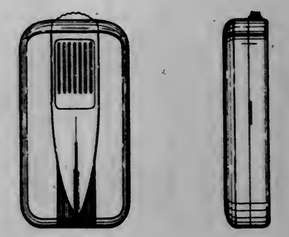
The ornamental design for a milking stool, as shown.

139,703
DESIGN FOR A SPRING TESTING GAUGE
Robert Elvin Conover, Dayton, Ohio, assignor to The Sheffield Corporation, Dayton, Ohio, a corporation of Ohio
Application April 14, 1944, Serial No. 113,246
Term of patent 7 years
(Cl. D52—1)



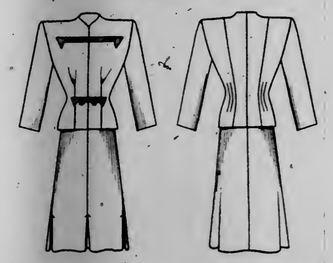
The ornamental design for a spring testing gauge, substantially as shown.

139,704
DESIGN FOR A HEARING AID UNIT
Harold W. Darr, Minneapolis, Minn., assignor to The Maico Company, Incorporated, Minneapolis, Minn., a corporation of Minnesota
Application September 16, 1944, Serial No. 115,319
Term of patent 7 years
(Cl. D26—14)



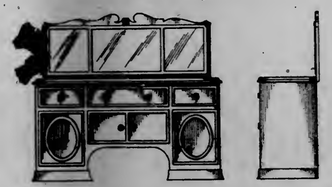
The ornamental design for a hearing aid unit, substantially as shown and described.

139,705
DESIGN FOR A SUIT
Mario Frascino, New York, N. Y.
Application November 4, 1944, Serial No. 116,139
Term of patent 3½ years
(Cl. D3—4)



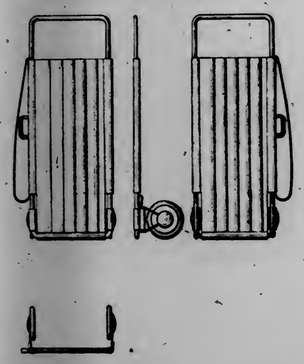
The ornamental design for a suit, substantially as shown.

139,706
DESIGN FOR A MINIATURE BUREAU OR SIMILAR ARTICLE
Nathaniel Hyman, New York, N. Y.
Application September 25, 1944, Serial No. 115,438
Term of patent 3½ years
(Cl. D34—15)



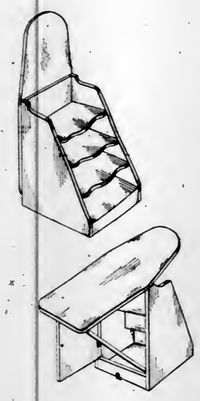
The ornamental design for a miniature bureau or similar article, substantially as shown and described.

139,707
DESIGN FOR A HAND TRUCK FOR GOLF CLUBS
Arnold H. Jessen, West Hollywood, Calif.
Application March 29, 1944, Serial No. 113,060
Term of patent 14 years
(Cl. D14—3)



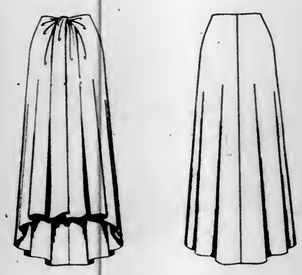
The ornamental design for a hand truck for golf clubs, substantially as shown.

139,708
DESIGN FOR A COMBINATION STEPLADDER, IRONING BOARD, TABLE, CHAIR, BOOK AND SHOE RACK, BABY'S HIGH CHAIR, AND UTILITY CABINET
Samuel Lapin, New York, N. Y.
Application October 16, 1944, Serial No. 115,808
Term of patent 3½ years
(Cl. D15—8)



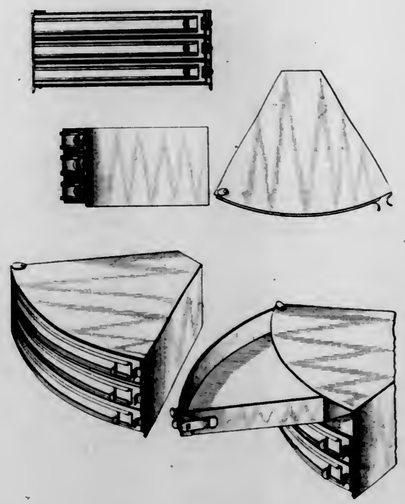
The ornamental design for a combination stepladder, ironing board, table, chair, book and shoe rack, baby's high chair, and utility cabinet, as shown.

139,709
DESIGN FOR A SKIRT
Tina Leser, New York, N. Y.
Application November 14, 1944, Serial No. 116,320
Term of patent 3½ years
(Cl. D3—26)



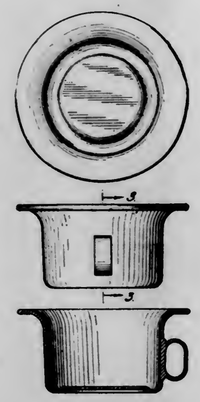
The ornamental design for a skirt, substantially as shown.

139,710
DESIGN FOR A DRAWER UNIT FOR ROTARY STORAGE BINS
Arthur W. Mueller, Newton, Ohio, assignor to The Frick-Gallagher Manufacturing Co., Wellston, Ohio, a corporation of Ohio
Application September 22, 1944, Serial No. 115,403
Term of patent 14 years
(Cl. D80—1)



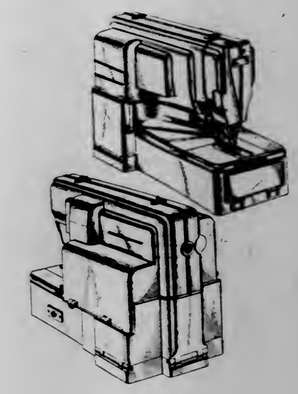
The ornamental design for a drawer unit for rotary storage bins, as shown.

139,711
DESIGN FOR AN INFANT'S COMMODE
John Pannhausen, Oak Park, and Carl A. Raabe, Chicago, Ill.
Application September 18, 1944, Serial No. 115,364
Term of patent 14 years
(Cl. D4—5)



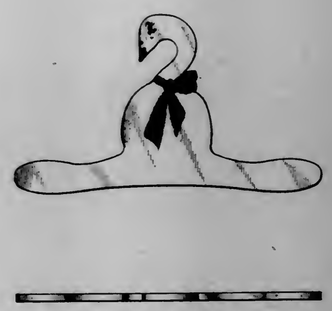
The ornamental design for an infant's commode, as shown.

139,712
DESIGN FOR A SEWING MACHINE
Malcolm S. Park, Mount Kisco, N. Y., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application October 17, 1944, Serial No. 115,830
Term of patent 14 years
(Cl. D70—1)



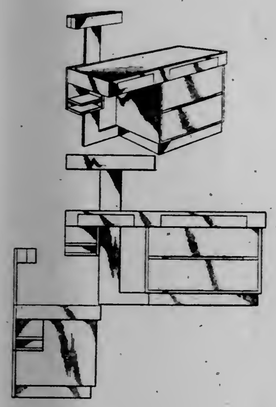
The ornamental design for a sewing machine, as shown.

139,713
DESIGN FOR A CHILD'S GARMENT HANGER
Ingvelde Rappaport, New York, N. Y.
Application July 12, 1944, Serial No. 114,379
Term of patent 3½ years
(Cl. D80—8)



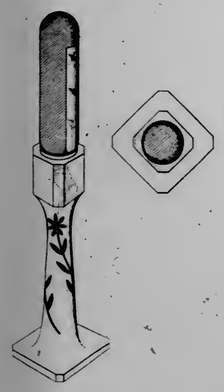
The ornamental design of a child's garment hanger, as shown and described.

139,714
DESIGN FOR A COMBINATION DRESSER, VANITY, AND DESK
Alexander C. Rindskopf, Wilmette, Ill.
Application September 20, 1944, Serial No. 115,371
Term of patent 7 years
(Cl. D33—7)



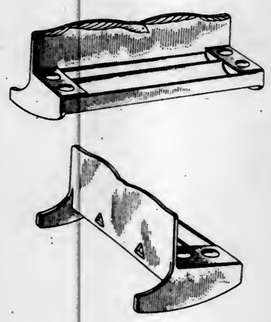
The ornamental design for a combination dresser, vanity, and desk, as shown.

139,715
DESIGN FOR A COMBINED REFLECTOR BULB AND STAND
Raebelle Wagner, Freehold, N. J.
Application August 12, 1944, Serial No. 114,848
Term of patent 14 years
(Cl. D48—20)



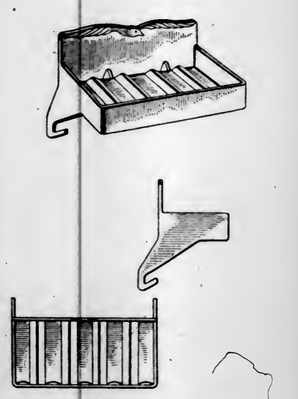
The ornamental design for a combined reflector bulb and stand, as shown and described.

139,716
DESIGN FOR A SOAP AND BRUSH HOLDER OR SIMILAR ARTICLE OF MANUFACTURE
George E. White, Bradenton, Fla.
Application September 25, 1944, Serial No. 115,442
Term of patent 14 years
(Cl. D4—3)



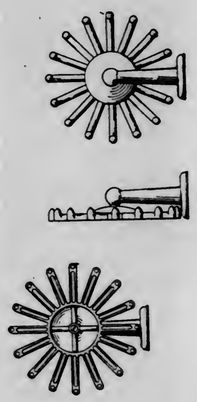
The ornamental design for a soap and brush holder or similar article of manufacture, as shown.

139,717
DESIGN FOR A SOAP AND BRUSH HOLDER OR SIMILAR ARTICLE OF MANUFACTURE
George E. White, Bradenton, Fla.
Application September 25, 1944, Serial No. 115,443
Term of patent 14 years
(Cl. D4—3)



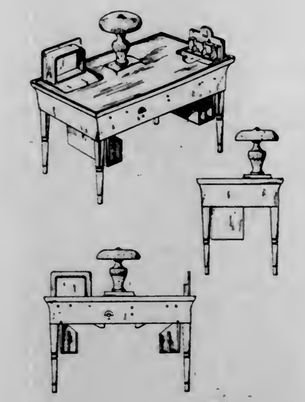
The ornamental design for a soap and brush holder or similar article of manufacture, as shown.

139,718
DESIGN FOR A TIE RACK
William Grant Williams, Anaheim, Calif.
Application October 3, 1944, Serial No. 115,570
Term of patent 14 years
(Cl. D33—8)



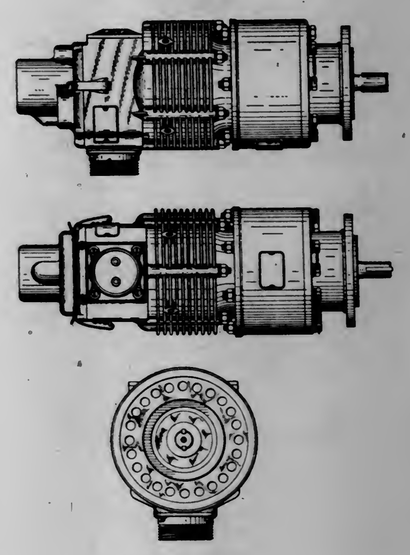
The ornamental design for a tie rack, as shown.

139,719
DESIGN FOR A SMOKER'S TABLE OR THE LIKE
Pearl Ann Davis, Los Angeles, Calif.
Application July 31, 1944, Serial No. 114,663
Term of patent 7 years
(Cl. D85—2)



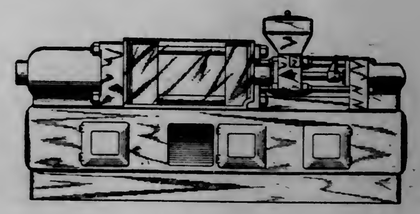
The ornamental design for a smoker's table or the like, substantially as shown and described.

139,720
DESIGN FOR A MOTOR FOR OPERATING MOVABLE PARTS OF AN AIRPLANE
Ralph M. Heintz, Cleveland, Ohio, assignor to Jack & Heintz, Inc., Bedford, Ohio, a corporation of Ohio
Application September 18, 1944, Serial No. 115,350
Term of patent 14 years
(Cl. D26—5)

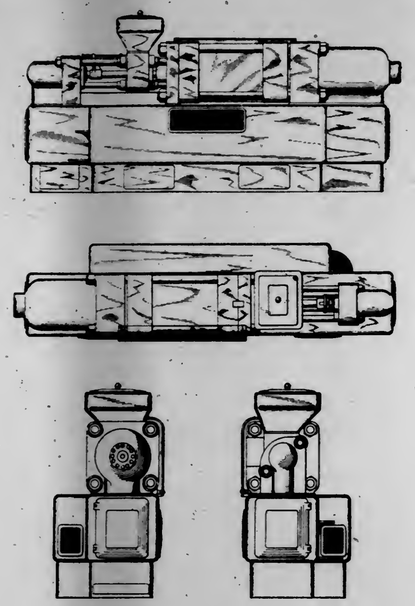


The ornamental design for a motor for operating movable parts of an airplane, substantially as shown.

139,721
DESIGN FOR A MOLDING MACHINE
Russell R. Kilburn, Pelham Manor, N. Y., and Bernard D. Ashbaugh, Mount Gilead, Ohio, assignors to H-P-M Development Corporation, Wilmington, Del., a corporation of Delaware
Application September 28, 1944, Serial No. 115,496
Term of patent 14 years
(Cl. D55—1)

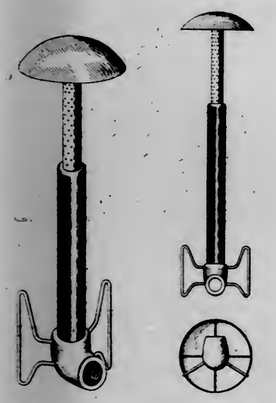


139,721—Continued



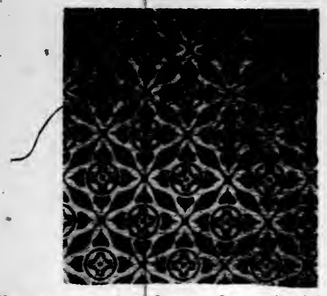
The ornamental design for a molding machine, substantially as shown.

139,722
DESIGN FOR A LAWN SPRINKLER
James V. Walsh, Kenmore, N. Y.
Application September 29, 1944, Serial No. 115,514
Term of patent 14 years
(Cl. D91—1)



The ornamental design for a lawn sprinkler, as shown and described.

139,723
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Charles Rosenstein, Paterson, N. J.
Application June 27, 1944, Serial No. 114,499
Term of patent 3½ years
(Cl. D92—1)



The ornamental design for a textile fabric or similar article, as shown.

139,724
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Charles Rosenstein, Paterson, N. J.
Application June 27, 1944, Serial No. 114,501
Term of patent 3½ years
(Cl. D92—1)



The ornamental design for a textile fabric or similar article, as shown.

139,725
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Charles Rosenstein, Paterson, N. J.
Application June 27, 1944, Serial No. 114,502
Term of patent 3½ years
(Cl. D92—1)



The ornamental design for a textile fabric or similar article, as shown.

139,726
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Charles Rosenstein, Paterson, N. J.
Application June 27, 1944, Serial No. 114,503
Term of patent 3½ years
(Cl. D92—1)



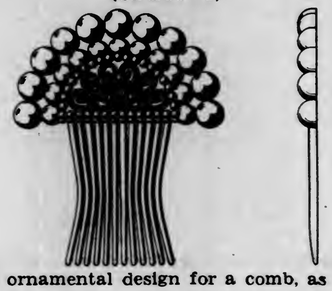
The ornamental design for a textile fabric or similar article, as shown.

139,727
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Charles Rosenstein, Paterson, N. J.
Application June 27, 1944, Serial No. 114,504
Term of patent 3½ years
(Cl. D92—1)



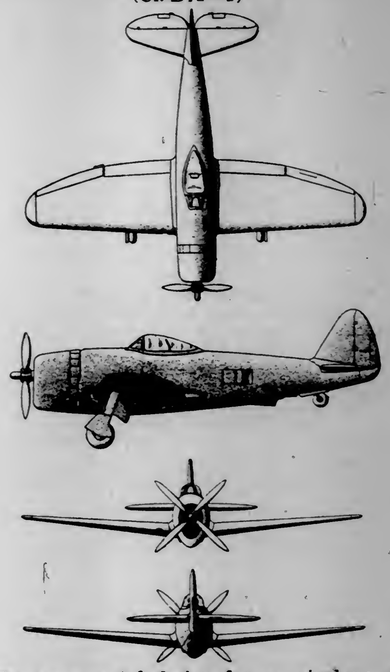
The ornamental design for a textile fabric or similar article, as shown.

139,728
DESIGN FOR A COMB
Jules Jackson, Great Neck, N. Y.
Application October 6, 1944, Serial No. 115,658
Term of patent 3½ years
(Cl. D86—8)



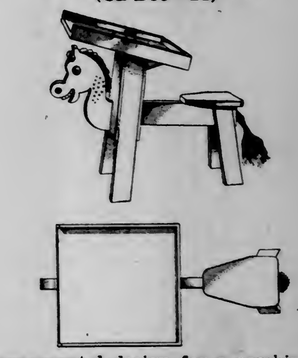
The ornamental design for a comb, as shown.

139,729
DESIGN FOR AN AIRPLANE
Alexander Kartveli, Huntington Station, and Murray Berkow, Flushing Heights, N. Y., assignors to Republic Aviation Corporation, a corporation of Delaware
Application January 18, 1944, Serial No. 112,259
Term of patent 14 years
(Cl. D71—1)



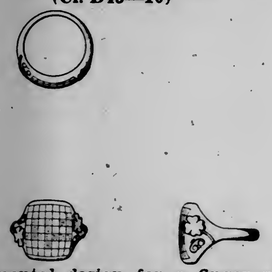
The ornamental design for an airplane, substantially as shown.

139,730
DESIGN FOR A COMBINED CHILD'S PLAY TABLE AND SEAT OR THE LIKE
Clarence A. Mathisson, Chicago, Ill.
Application October 30, 1943, Serial No. 111,538
Term of patent 7 years
(Cl. D33—14)



The ornamental design for a combined child's play table and seat or the like, substantially as shown.

139,731
DESIGN FOR A FINGER RING
Louis Blum, Los Angeles, Calif.
Application October 11, 1944, Serial No. 115,708
Term of patent 7 years
(Cl. D45—10)



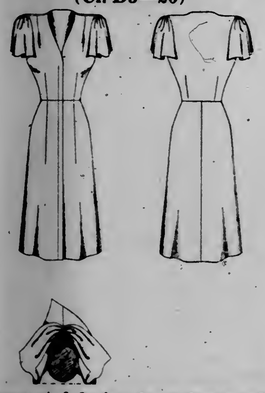
The ornamental design for a finger ring, as shown.

139,732
DESIGN FOR A DRESS
Katheryn Rost, New York, N. Y.
Application October 24, 1944, Serial No. 115,939
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

139,733
DESIGN FOR A DRESS
Joset Walker, New York, N. Y.
Application November 14, 1944, Serial No. 116,323
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

139,734
DESIGN FOR A DRESS
Zelma Golden, New York, N. Y.
Application November 14, 1944, Serial No. 116,314
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

139,735
DESIGN FOR A DRESS
Zelma Golden, New York, N. Y.
Application November 14, 1944, Serial No. 116,315
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

139,736
DESIGN FOR A DRESS
Zelma Golden, New York, N. Y.
Application November 14, 1944, Serial No. 116,316
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

139,737
DESIGN FOR A DRESS
Zelma Golden, New York, N. Y.
Application November 14, 1944, Serial No. 116,317
Term of patent 3½ years
(Cl. D3—26)



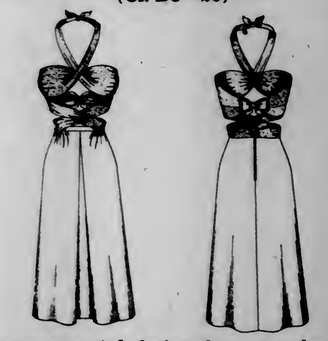
The ornamental design for a dress, substantially as shown.

139,738
DESIGN FOR A DRESS
Zelma Golden, New York, N. Y.
Application November 14, 1944, Serial No. 116,318
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

139,739
DESIGN FOR A SUN-BACK DRESS
Tina Leser, New York, N. Y.
Application November 14, 1944, Serial No. 116,321
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a sun-back dress, substantially as shown.

139,740
DESIGN FOR A BAND FOR A WRIST WATCH OR SIMILAR ARTICLE
Allan Adler, Burbank, Calif.
Application October 23, 1944, Serial No. 115,935
Term of patent 14 years
(Cl. D45—4)





The ornamental design for a band for a wrist watch or similar article, as shown.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

American Woolen Company, New York, N. Y. Piece goods. Serial No. 473,011; Dec. 12. Class 42.

Armstrong Cork Company, Lancaster, Pa. Resilient plastic composition material. Serial No. 473,242; Dec. 12. Class 50.

Auerbach Bath Robe Company, The, New York, N. Y. Bath and lounging robes. Serial No. 474,717; Dec. 12. Class 39.

Barney's Clothes, Inc., New York, N. Y. Boys' suits, topcoats, overcoats, hats, etc. Serial No. 471,015; Dec. 12. Class 39.

Bates Manufacturing Company, Lewiston, Maine. Bedspreads. Serial No. 471,847; Dec. 12. Class 42.

Beauty Research Laboratories, Inc., Cleveland, Ohio. Hair waving solutions. Serial No. 473,878; Dec. 12. Class 6.

Beaver Island Fruit Acres. (See National Hospital Association.)

Bell Dental Products Company, Inc., New York, N. Y. Chemical composition. Serial No. 468,371; Dec. 12. Class 44.

Berman Watch Company, New York, N. Y. Dials, watches, watch movements and watch parts. Serial No. 474,528; Dec. 12. Class 27.

Blue Moon Foods, Inc., Thorp, Wis. Cheese spread. Serial No. 473,244; Dec. 12. Class 46.

Buck, Beulah C., doing business as Haova Products Company, St. Louis, Mo. Hair-scalp creme, hair pomade, and beauty salve. Serial No. 470,250; Dec. 12. Class 6.

Commercial Compinex Company, New York, N. Y. Canned sardines. Serial No. 472,042; Dec. 12. Class 46.

Coochicos, Spiros, New York, N. Y. Hair tonic. Serial No. 471, 866; Dec. 12. Class 6.

Cord, Inc., New York, N. Y. Necklaces, bracelets, earrings, etc. Serial No. 474,655; Dec. 12. Class 28.

Corite Corporation, Los Angeles, Calif. Cementitious plastic compound. Serial No. 474,114; Dec. 12. Class 12.

Crest Fabrics Corp., New York, N. Y. Textile fabrics in the piece. Serial No. 474,067; Dec. 12. Class 42.

Curly Lox Products. (See Plate, Robert T.)

Dental Products Corporation, The, Manheim, Pa. Compound for making cushion denture liners. Serial No. 461,457; Dec. 12. Class 44.

Designers for Industry, Inc., Cleveland, Ohio. Wall board and heat and sound insulating board. Serial No. 465,897; Dec. 12. Class 12.

Diamond Whip Co., The. (See Soreghen, George L.)

Diebold, Incorporated. (See Pratt & Gray Company, Inc., assignor.)

Eastern Mfg. Co., doing business as Leeta Mae Co., Boston, Mass. Women's, misses', children's, and infants' apparel. Serial No. 466,437; Dec. 12. Class 39.

Endo Products Inc., New York, N. Y. Preparation for calcium medication. Serial No. 470,715; Dec. 12. Class 6.

Ethyl Corporation, New York, N. Y. Dry cleaning preparation. Serial No. 473,692; Dec. 12. Class 4.

Farrell, Morton B., Company, Detroit, Mich. Pearls, pearl necklaces and pearl mounted jewelry. Serial No. 470,141; Dec. 12. Class 28.

Firestone Tire & Rubber Company, The, Akron, Ohio. Resin molding powders or crystals and partially finished goods produced therefrom, plastic and/or synthetic. Serial No. 468,251; Dec. 12. Class 1.

Fisher Scientific Company, Pittsburgh, Pa. Chemical compound. Serial No. 474,073; Dec. 12. Class 6.

"42" Products, Inc., doing business as Windsor House, Ltd., Los Angeles, Calif. Cologne, after-shave powder, and after-shave lotion. Serial No. 468,281; Dec. 12. Class 6.

Frede, Henry H., Chattanooga, Tenn. Disposable diapers. Serial No. 473,809; Dec. 12. Class 39.

Gamble Stores, Incorporated, Minneapolis, Minn. Sewing machines. Serial No. 474,954; Dec. 12. Class 23.

Gamble Stores, Incorporated, Minneapolis, Minn. Carpet sweepers. Serial No. 474,956; Dec. 12. Class 23.

Garrett Corporation, The, Los Angeles, Calif. Monthly publication. Serial No. 465,361; Dec. 12. Class 38.

Gemma Laboratories. (See Sisom, Bloomfield J.)

General Refractories Company, Philadelphia, Pa. Standard refractory brick. Serial No. 466,891; Dec. 12. Class 12.

Gillen, J. L., Company, Dowagiac, Mich. Automatic oil-burning hot water heaters and automatic oil-burning furnaces. Serial No. 473,667; Dec. 12. Class 34.

Globe Roofing Products Co., Inc., Whiting, Ind. Asphalt felt roofing. Serial No. 467,693; Dec. 12. Class 12.

Goodwin Preserving Co., Louisville, Ky. Chocolate syrup. Serial No. 472,054; Dec. 12. Class 46.

Greensboro Overall Company, Inc., Greensboro, N. C. Men's and boys' overalls, work coats, dungarees, etc. Serial No. 474,279; Dec. 12. Class 39.

Haova Products Company. (See Buck, Beulah C.)

Harms, Harold H., doing business as Henry Equipment Company, Bowling Green, Ohio. Portable hand-wheeled truck. Serial No. 469,047; Dec. 12. Class 23.

Henry Equipment Company. (See Harms, Harold H.)

Hollywood-Maxwell Co., Los Angeles, Calif. Brassières. Serial No. 463,460; Dec. 12. Class 39.

Hudnut, Richard, New York, N. Y. Perfumes. Serial No. 474,897; Dec. 12. Class 6.

Industrial Pallet Company, New York, N. Y. Pallet and skid platforms. Serial No. 472,745; Dec. 12. Class 19.

International Braid Company, Providence, R. I. Braided and woven narrow fabrics. Serial Nos. 473,063–4; Dec. 12. Class 40.

Kaplan, Irene, doing business as Nalpak, New York, N. Y. Gas ranges and cookers, gas heaters, etc. Serial No. 473,912; Dec. 12. Class 34.

Klopp & Bartlett Company, Omaha, Nebr. Bound and loose-leaf blank books and record books, legal forms and blanks, etc. Serial No. 474,546; Dec. 12. Class 37.

Kresge, S. S., Company, Detroit, Mich. Cotton batting. Serial Nos. 474,727–9; Dec. 12. Class 1.

LaFayette Packing Company, The, Rockland, Maine, and New York, N. Y. Canned sardines. Serial No. 474,591; Dec. 12. Class 46.

Lance, Inc., Charlotte, N. C. Cookie sandwiches. Serial No. 475,365; Dec. 12. Class 46.

Leathercraft, Inc., Chicago, Ill. Brief cases, key cases, billfolds, etc. Serial No. 474,338; Dec. 12. Class 3.

Lederle Laboratories, Inc., New York, N. Y. Medicinal tablets. Serial No. 471,744; Dec. 12. Class 6.

Leeta Mae Co. (See Eastern Mfg. Co.)

Leichter, Emil, New York, N. Y. Watches. Serial No. 474,730; Dec. 12. Class 27.

MacDermid Incorporated, Waterbury, Conn. Dry alkaline cleansing preparations. Serial Nos. 467,161–2; Dec. 12. Class 6.

MacDermid, W. D., Chemical Co. (See MacDermid, William D.)

MacDermid, William D., doing business as W. D. MacDermid Chemical Co., Bristol, Conn. Metal cleaning compounds. Serial No. 463,488; Dec. 12. Class 6.

Magic Iron Cement Company. (See Reich, Herman J.)

Manderscheid, Co., The. (See Manderscheid, James J.)

Manderscheid, James J., doing business as The Manderscheid Co., Chicago, Ill. Polishing and buffing wheels and bushings therefor. Serial No. 473,785; Dec. 12. Class 4.

Marlon Confections Company, New York, N. Y. Candies. Serial No. 471,955; Dec. 12. Class 46.

McCoy, Jones & Company, Inc., Chicago, Ill. Men's, women's, and children's leather belts. Serial No. 474,595; Dec. 12. Class 39.

McKesson & Robbins, Incorporated, New York, N. Y. Adhesive powder. Serial No. 473,786; Dec. 12. Class 6.

Means, Perry G., Reno, Nev. Expanded mineral. Serial No. 470,921; Dec. 12. Class 12.

Meyer-Heitman, Norwood, Ohio. Cards for use in games. Serial No. 463,693; Dec. 12. Class 22.

Moore, John H., Inc., New York, N. Y. Pipes. Serial No. 475,010; Dec. 12. Class 8.

Naegeli Drug Company. (See Naegeli, Warren W.)

Naegeli, Warren W., doing business as Naegeli Drug Company, Rolla, N. Dak. Mouth wash. Serial No. 473,395; Dec. 12. Class 6.

Nalpak. (See Kaplan, Irene.)

National Growers & Shippers, Los Angeles, Calif. Fresh vegetables and melons. Serial No. 474,342; Dec. 12. Class 46.

National Hospital Association, doing business as Beaver Island Fruit Acres, Portland, Oreg. Nuts. Serial Nos. 468,761–2; Dec. 12. Class 46.

New England Distributors. (See Wright, Everett S.)

New Martinsville Glass Company, New Martinsville, W. Va., now by change of name Viking Glass Company. Glass table, cooking and bar ware, bottles, etc. Serial No. 460,605; Dec. 12. Class 33.

New Martinsville Glass Company, New Martinsville, W. Va., now by change of name Viking Glass Company. Glass candlesticks, hurricane chimneys and lamps, etc. Serial No. 467,354; Dec. 12. Class 34.

Oakite Products, Inc., New York, N. Y. Chemical preparation. Serial No. 473,577; Dec. 12. Class 6.

Ortho Products, Inc., Linden, N. J. Therapeutic products. Serial No. 468,039; Dec. 12. Class 6.

Palmer Company, Inc., Waukesha, Wis. Insecticides, fly spray, roach powder, etc. Serial No. 472,014; Dec. 12. Class 6.

Paramet Corporation, Long Island City, N. Y. Resin combinations. Serial No. 471,356; Dec. 12. Class 16.

Patons & Baldwins, Inc., Newark, N. J. Woolen yarn. Serial No. 474,421; Dec. 12. Class 43.

Penetrator Siphon Company, Dixon, Calif. Portable irrigation siphons. Serial No. 471,838; Dec. 12. Class 13.
Penn Hosiery Mills, Inc., Reading, Pa. Hosiery. Serial No. 473,545; Dec. 12. Class 39.
Pennsylvania Salt Manufacturing Company, The, Philadelphia, Pa. Fluoboric acid. Serial No. 474,049; Dec. 12. Class 6.
Pike, E. W., & Company. (See Pike, Eugene W.)
Pike, Eugene W., doing business as E. W. Pike & Company, Elizabeth, N. J. Moistening devices. Serial No. 468,331; Dec. 12. Class 37.
Plate, Robert T., doing business as Curly Lox Products, Detroit, Mich. Hair bows and hair snaps. Serial No. 474,605; Dec. 12. Class 40.
Pratt & Gray Company, Inc., Norwalk, Conn., assignor to Diebold, Incorporated, Canton, Ohio. Developers, fixers, hardeners, etc. Serial No. 472,677; Dec. 12. Class 6.
Reich, Herman J., doing business as Magic Iron Cement Company, Cleveland, Ohio. Iron cement, white tile cement, crack filler, etc. Serial No. 466,710; Dec. 12. Class 12.
Schein, Louis, New York, N. Y. Watches, watch movements, watch dials and watch cases. Serial No. 474,607; Dec. 12. Class 27.
Schneierson, I., & Sons, Inc., New York, N. Y. Ladies' chemises, pajamas, dresses, etc. Serial Nos. 474,766–7; Dec. 12. Class 39.
Shelton, W. G., Co., Inc., St. Louis, Mo. Kit comprising an apparatus for giving so-called permanent waves to the human hair. Serial No. 473,585; Dec. 12. Class 50.
Sisom, Bloomfield J., doing business as Gemma Laboratories, Oaklyn, N. J. Antacid preparation. Serial No. 473,293; Dec. 12. Class 6.
Soreghen, George L., doing business as The Diamond Whip Co., Chicago, Ill. Halters, hame straps, leather bridles, etc. Serial No. 473,917; Dec. 12. Class 3.
Standard Varnish Works, Staten Island, N. Y. Liquid plastic composition. Serial No. 474,364; Dec. 12. Class 16.
Textron, Inc., assignor to Textron, Incorporated, Providence, R. I. Women's underwear, housecoats, aprons, etc. Serial No. 471,201; Dec. 12. Class 39.
Textron, Incorporated. (See Textron, Inc., assignor.)
Therm-A-Mode Company, Inc., Paterson, N. J. Cotton, linen, and wool fabrics. Serial No. 463,447; Dec. 12. Class 42.
Time, Incorporated, New York, N. Y. Series of language lessons and word lists. Serial No. 471,917; Dec. 12. Class 38.
Trailer Company of America, The, Cincinnati, Ohio. Trailers of the two and four wheel type, and parts therefor. Serial No. 472,911; Dec. 12. Class 19.
Turco Products, Inc., Los Angeles, Calif. Cleaning preparation. Serial No. 471,496; Dec. 12. Class 4.
Turco Products, Inc., Los Angeles, Calif. Compounds used in the cleaning of metal surfaces and the like. Serial No. 471,498; Dec. 12. Class 4.
Turco Products, Inc., Los Angeles, Calif. Chemical composition. Serial No. 472,372; Dec. 12. Class 6.
Upjohn Company, The, Kalamazoo, Mich. Medicinal preparation. Serial No. 474,012; Dec. 12. Class 6.
Vickers, J. Russell, Winnsboro, Tex. Fresh sweet potatoes. Serial No. 473,874; Dec. 12. Class 46.
Viking Glass Company. (See New Martinsville Glass Company.)
Vita-Var Corporation, Newark, N. J. Synthetic resin. Serial No. 474,559; Dec. 12. Class 1.
Walton, Bernhard C., doing business as Walton Laboratories, Chicago, Ill. Digestant and general tonic. Serial No. 473,588; Dec. 12. Class 6.
Walton Laboratories. (See Walton, Bernhard C.)
Werlin, Jerome, New York, N. Y. Powder puffs. Serial No. 474,840; Dec. 12. Class 29.
Windsor House, Ltd. (See "42" Products, Inc.)
Wright, Everett S., doing business as New England Distributors, East Orange, N. J. Candies. Serial No. 475,290; Dec. 12. Class 46.

LIST OF REGISTRANTS OF TRADE-MARKS

Adams-Millis Corporation. (See Pointer Hosiery Co.)
Ahrens Publishing Company, Incorporated, New York, N. Y. Monthly publications. 193,730; renewed Jan. 6, 1945.
American Chewing Products Corp., Newark, N. J. Chewing gum. 410,676; Dec. 12; Serial No. 469,528; published Oct. 3, 1944. Class 46.
American Crucible Products Co., The, Elyria, to The American Crucible Products Co., Lorain, Ohio. Babbitt metal. 197,740; renewed Apr. 21, 1945.
American Distributors Co., Toledo, Ohio. Wheeled toys. 410,694; Dec. 12; Serial No. 471,382; published Oct. 3, 1944. Class 22.
American Oil Company, The. (See Mexican Petroleum Corporation of Louisiana, Inc.)
Atlantic Refining Company, The, Philadelphia, Pa. Lubricating oils, motor oils, and oils for preventing chattering, etc. 192,155; renewed Nov. 25, 1944.
Atlantic Refining Company, The, Philadelphia, Pa. Lubricating oils. 410,662–3; Dec. 12; Serial Nos. 454,163–4; published Oct. 3, 1944. Class 15.
Bair-Collins Co., Roundup, Mont. Coal. 197,086; renewed Apr. 7, 1945.
Baker Paint & Varnish Co., Jersey City, N. J. Ready mixed paints, varnishes and enamels. 195,173; renewed Feb. 17, 1945.
Baker Paint & Varnish Co., Jersey City, N. J. Ready mixed paints and varnishes. 195,174; renewed Feb. 17, 1945.
Bamberger, L., & Co., Newark, N. J. Chinaware, pottery, crockery, etc. 195,893; renewed Mar. 3, 1945.
Bamberger, L., & Co., Newark, N. J. Cigars. 197,053; renewed Apr. 7, 1945.
Bamberger, L., & Co., Newark, N. J. Cigarettes. 197,387; renewed Apr. 14, 1945.
Bergstrom Paper Company, Neenah, Wis. Book papers, cover papers, and catalogue papers. 196,807; renewed Mar. 31, 1945.
Best & Co., Inc., New York, N. Y. Misses' and girls' furnishings, undergarments, and clothing. 194,306; renewed Jan. 20, 1945.
Big Stone Canning Co., to Big Stone Canning Co., Ortonville, Minn., successor. Canned corn. 191,750; renewed Nov. 18, 1944.
Bilhuber-Wawak Company, to Wawak Company, Inc., Chicago, Ill., successor. Woolen piece goods. 191,143; renewed Nov. 4, 1944.
Bilhuber-Wawak Company, to Wawak Company, Inc., Chicago, Ill., successor. Woolen piece goods. 191,211–12; renewed Nov. 4, 1944.
Bilhuber-Wawak Company, to Wawak Company, Inc., Chicago, Ill., successor. Woolen piece goods. 191,220; renewed Nov. 4, 1944.
Blacher Brothers, Providence, R. I. Earrings, bracelets, bar pins, etc. 197,264; renewed Apr. 14, 1945.
Blistex Company. (See Bracken, L. D.)
Blue Moon Foods, Inc., Thorp, Wis. Cheese spread. 410,675; Dec. 12; Serial No. 468,276; published Oct. 3, 1944. Class 46.
Boyd-Richardson Company, St. Louis, Mo. Suits, for men, young men, and youths. 197,550; renewed Apr. 21, 1945.
Boyle, John, & Company, Incorporated, New York, N. Y. Awning stripes and ticking. 197,692; renewed Apr. 21, 1945.
Bracken, L. D., doing business as Blistex Company, Seattle, Wash. Ointment for topical application to the lips, chin, and nostrils. 410,688; Dec. 12; Serial No. 471,068; published Sept. 26, 1944. Class 6.
Brewer & Company, Inc., Worcester, Mass. Olive oil. 197,658; renewed Apr. 21, 1945.
Buckingham & Hecht, San Francisco, Calif. Leather shoes. 197,016; renewed Apr. 7, 1945.
Bullock's, assignor to Bullock's Inc., Los Angeles, Calif. Shoes, girls' and junior girls' coats, suits, etc. 196,993; renewed Apr. 7, 1945.
Bullock's Inc. (See Bullock's, assignor.)
Burma-Vita Company, Minneapolis, Minn. Safety razor blades. 410,732; Dec. 12. Class 23.
California Wine Sales, Inc., Lodi, Calif., now by change of name Wine Growers Guild. Wines. 410,724; Dec. 12. Class 47.
Cardinell Corporation. (See Cardinell, John D., assignor.)
Cardinell, John D., doing business as Cardinell-Sales Co., assignor to Ink-Out Mfg. Co., Inc., assignor, by mesne assignments, to Cardinell Corporation, Montclair, N. J. Chemical preparation. 191,553; renewed Nov. 11, 1944.
Cardinell-Sales Co. (See Cardinell, John D.)
Cartier, Inc., New York, N. Y. Perfume extracts, toilet water, face powders, etc. 410,701; Dec. 12; Serial No. 471,862; published Sept. 26, 1944. Class 6.
Central Specialty Products Company, Navarre, to Central Specialty Products Company, Wichita, Kans. Food flavoring extracts. 194,812; renewed Feb. 10, 1945.
Cerbini Chemical Products Co. (See Cerbini, Francis M.)
Cerbini, Francis M., doing business as Cerbini Chemical Products Co., New York, N. Y. Medicines having germicidal, antibacterial, and antiseptic properties. 410,668; Dec. 12; Serial No. 464,217; published Sept. 26, 1944. Class 6.
Charleston Electrical Supply Company, Charleston, W. Va. Complete unitary mine locomotive headlight structures. 410,720; Dec. 12. Class 21.
Chase, Cheryl, Inc., New York, N. Y. Ladies' and misses' dresses, blouses, outer shorts, etc. 410,731; Dec. 12. Class 39.
Christler, R. W., Denver, Colo. Dog food. 410,704; Dec. 12; Serial No. 471,895; published Oct. 3, 1944. Class 46.

Cohen, A., & Sons Corp., New York, N. Y. Men's diamond rings and wedding rings. 410,725; Dec. 12. Class 28.
Cohn-Hall-Marx Co., New York, N. Y. Silk stripe shirtings. 196,360; renewed Mar. 17, 1945.
Cohn-Hall-Marx Co., New York, N. Y. Cotton piece goods. 196,396; renewed Mar. 17, 1945.
Columbus Vending Company, The, Columbus, Ohio. Vending machines. 195,751; renewed Mar. 3, 1945.
Commercial Seiling Co. Inc., Brooklyn, N. Y. Sheet roofing. 197,747; renewed Apr. 21, 1945.
Cooper, Leo M., Company. (See Cooper, Leo M.)
Cooper, Leo M., doing business as Leo M. Cooper Company, assignor to White Swan Uniforms, Inc., New York, N. Y. Uniform dresses, bath robes, waists, etc. 194,124; renewed Jan. 13, 1945.
Dalton-Hoagland Co., Long Beach, assignor, by mesne assignments, to Sun Harbor Packing Company, San Diego, Calif. Canned fruits, canned vegetables, coffee, etc. 196,497; renewed Mar. 17, 1945.
Daly Ticket Company, Collinsville, Ill. Miners' printed checks. 410,736; Dec. 12. Class 38.
De Witt, E. C., & Co. Inc., Chicago, Ill. Preparations for internal and external use; and medicinal and toilet preparations. 197,205; renewed Apr. 14, 1945.
De Witt, E. C., & Co. Inc., Chicago, Ill. Preparations for internal and external use, medicinal and toilet preparations, etc. 197,482; renewed Apr. 21, 1945.
Dexter-Carpenter Coal Company, Inc. (See Leland Coal Mining Company, assignor.)
Dif Corporation, Brooklyn, N. Y., to Dif Corporation, Garwood, N. J. Chemical compound. 196,719; renewed Mar. 24, 1945.
Disston, Henry, & Sons, Incorporated, Tacony, Philadelphia, Pa. Elements of cigarette machinery. 196,610; renewed Mar. 24, 1945.
Dix Manufacturing Corp., Brooklyn, N. Y. Knockdown toys. 410,702; Dec. 12; Serial No. 471,868; published Oct. 3, 1944. Class 22.
Donald Company, The, Grand Island, Nebr. Hosiery. 197,712; renewed Apr. 21, 1945.
Duratile Corporation, The, Mishawaka, Ind. Metal floor and wall tiling. 410,678; Dec. 12; Serial No. 469,674; published Oct. 3, 1944. Class 12.
Eastern Corporation. (See Orono Pulp & Paper Company, assignor.)
Eastern Felt Company, Winchester, Mass. Polishing wheels and felts therefor. 195,133–6; renewed Feb. 17, 1945.
Educator Shoe Corporation of America, The, New York, N. Y. Shoes. 410,707–8; Dec. 12; Serial Nos. 472,618–19. Class 39.
Edwal Laboratories, Inc., The, Chicago, Ill. Photographic fixing agents. 410,695; Dec. 12; Serial No. 471,595; published Sept. 26, 1944. Class 6.
Electric Storage Battery Company, The, Philadelphia, Pa. Battery plates or elements. 196,509; renewed Mar. 17, 1945.
Empire Brush Works, Port Chester, N. Y. Brushes. 410,667; Dec. 12; Serial No. 463,016; published Mar. 7, 1944. Class 29.
Empire Emery Corporation, New York, N. Y. Crushed emery. 410,714; Dec. 12. Class 12.
Engelhard, Frank, & Sons, doing business as Hercules Float Works, assignor to William A. Engelhard, doing business as Hercules Float Works, Springfield, Mass. Floats and air chambers. 188,357; renewed Aug. 26, 1944.
Engelhard, William A. (See Engelhard, Frank, & Sons, assignor.)
Fairbanks, Morse & Co., Chicago, Ill. Self-propelled and manually propelled rail cars. 410,719; Dec. 12. Class 19.
Firestone Tire & Rubber Company, The, Akron, Ohio. Pull toys simulating a turtle. 410,665; Dec. 12; Serial No. 462,704; published Oct. 3, 1944. Class 22.
Firestone Tire & Rubber Company, The, Akron, Ohio. Pull toys simulating a penguin. 410,666; Dec. 12; Serial No. 462,817; published Oct. 3, 1944. Class 22.
Foxstand Foods Incorporated, Boston, Mass. Frozen food products. 410,712; Dec. 12. Class 46.
Franklin Optical Company. (See Van Drimmelen, Paul.)
Fuller Brush Company, The, Hartford, Conn. Combs. 196,728; renewed Mar. 24, 1945.
General Motors Corporation, Detroit, Mich. Motor-driven trucks. 193,674; renewed Jan. 6, 1945.
General Tire & Rubber Company, The, Akron, Ohio. Air pressure gauge. 410,711; Dec. 12. Class 26.
Gold Seal Importers, Inc., New York, N. Y. Ladies' handbags. 410,709; Dec. 12; Serial No. 472,810; published Oct. 3, 1944. Class 3.
Goodyear Tire & Rubber Company, The, Akron, Ohio. Heels. 193,950; renewed Jan. 13, 1945.
Grant Photo Products, Inc., New York, N. Y. Chemical toning solutions. 410,685–6; Dec. 12; Serial Nos. 470,972–3; published Sept. 26, 1944. Class 6.
Guardians Ointment Co. Inc., New York, N. Y. Ointment and a remedy for diseases of the blood. 193,701; renewed Jan. 6, 1945.
Guild, J. H., Company, Inc., The, Rupert, Vt. Preparations in powder and cigarette form for use in the treatment of asthmatic attacks. 410,673; Dec. 12; Serial No. 467,846; published Sept. 26, 1944. Class 6.
Hartwig, Walter A., doing business as Tots Toys, Milwaukee, Wis. Toy horses. 410,728–9; Dec. 12. Class 22.
Heller, Herman. (See Panitz, Isidor, assignor.)
Hercules Float Works. (See Engelhard, Frank, & Sons.)
Hillard, Miner, Milling Co. (See Penn Paste Milling Company, assignor.)
Hilltop Laboratories. (See Moore, Fred H.)
Hoffman, E. A., Candy Co., Inc., Los Angeles, Calif. Candy. 196,900; renewed Mar. 31, 1945.
Hoffmann-La Roche, Inc., Nutley, N. J. Medicinal preparation recommended for use in prophylaxis, etc. 410,674; Dec. 12; Serial No. 468,031; published Sept. 26, 1944. Class 6.
Hogshire, J. A., & Son, Inc., Indianapolis, Ind. Petroleum products. 410,681; Dec. 12; Serial No. 470,663; published Oct. 3, 1944. Class 15.
Hudnut, Richard, New York, N. Y. Face powder, compact face powder, cleansing cream, etc. 197,192; renewed Apr. 14, 1945.
Hudnut, Richard, New York, N. Y. Soap. 197,314; renewed Apr. 14, 1945.
Humane Coyote Getter, Inc., Las Animas, Colo. Ground planted automatic bait-release operated chemical ejector. 410,735; Dec. 12. Class 50.
Hummel-Ross Fibre Corporation, Hopewell, Va. Wrapping paper. 197,538; renewed Apr. 21, 1945.
Hydrox Corporation, Chicago, Ill. Ginger ale and sirup for making the same. 192,271; renewed Dec. 2, 1944.
Idaho Dehydrated Food Co., New Plymouth, Idaho. Dehydrated potatoes. 410,671; Dec. 12; Serial No. 466,445; published Oct. 3, 1944. Class 46.
Imperial Importers, Inc., Chicago, Ill. Whiskey. 410,722; Dec. 12. Class 49.
Ink-Out Mfg. Co., Inc. (See Cardinell-Sales Co., assignor.)
International Silver Company, Meriden and Bridgeport, to International Silver Company, Meriden, Conn. Silver-plated flat tableware. 197,217; renewed Apr. 14, 1945.
International Silver Company, Meriden and Bridgeport, to International Silver Company, Meriden, Conn. Silver-plated flat tableware. 197,287; renewed Apr. 14, 1945.
Kayser, Julius, & Co., New York, N. Y. Fabric gloves, knitted or textile underwear and hosiery. 195,318; renewed Feb. 24, 1945.
Kemp & Lane, Inc., Le Roy, N. Y. Preparation for the treatment of coughs, colds, and throat troubles. 197,391; renewed Apr. 14, 1945.
Knick, Perley L., doing business as Knick's Mend-Rite Mfg. Co., Kansas City, to Knick's Mend-Rite Co., North Kansas City, Mo., successor. Fan belts, rubber and fabric patches, etc. 194,200; renewed Jan. 20, 1945.
Knick's Mend-Rite Co. (See Knick, Perley L.)
Knick's Mend-Rite Mfg. Co. (See Knick, Perley L.)
Korfund Company, Inc., The. (See Korfund Company, The.)
Korfund Company, The, New York, to The Korfund Company, Inc., Long Island City, N. Y. Suberous insulating sound-deadening material. 195,858; renewed Mar. 3, 1945.
Lamont, Corliss & Company. (See Runkel Brothers, Inc., assignor.)
Lamont, Corliss & Company, New York, N. Y. Milk chocolate. 193,953; renewed Jan. 13, 1945.
Leland Coal Mining Company, doing business as Old Forge Smithing Coal Company, assignor to Dexter-Carpenter Coal Company, Inc., New York, N. Y. Coal. 195,487; renewed Feb. 24, 1945.
Leo Corporation, Chicago, Ill. Additive for motor fuels and oils. 410,679; Dec. 12; Serial No. 470,201; published Sept. 26, 1944. Class 6.
Liberty & Co., Limited, London, England. Cotton piece goods. 197,689; renewed Apr. 21, 1945.
Lowy & Mund, New York, N. Y. Ladies' handbags. 410,710; Dec. 12; Serial No. 473,104; published Oct. 3, 1944. Class 3.
Lubri-Gel Products, McCracken, Kans. Hydrous aluminum silicate. 410,726; Dec. 12. Class 12.
Lusta-Foame Company, South Boston, Mass. Shampoo and lanoline eucalyptus compound. 410,672; Dec. 12; Serial No. 467,568; published Sept. 26, 1944. Class 6.
Martha Maid Mfg. Co., Chicago, Ill. Women's undergarments. 410,713; Dec. 12. Class 39.
McGraw-Hill Publishing Company, Inc., New York, N. Y. Magazines. 410,718; Dec. 12. Class 38.
McLellan Stores Company, New York, N. Y. Hosiery. 192,261; renewed Dec. 2, 1944.
Mexican Petroleum Corporation of Louisiana, Inc., New Orleans, La., to The American Oil Company, New York, N. Y., successor. Gasoline, lubricating oils, and greases. 192,004; renewed Nov. 25, 1944.
Merritt Distributors. (See National Toilet Company.)
Miami Products and Chemical Company, The, Dayton, Ohio. Sodium hypochlorite solution. 410,684; Dec. 12; Serial No. 470,837; published Sept. 26, 1944. Class 6.
Montgomerie & Company, Limited, Glasgow, Scotland. Flavoring materials. 26,462; re-renewed Apr. 23, 1945.
Moore, Fred H., doing business as Hilltop Laboratories, Minneapolis, Minn. Preparation for the relief of gapes, influenza, bronchitis, etc. 410,691; Dec. 12; Serial No. 471,268; published Sept. 26, 1944. Class 6.

Moore, Fred H., doing business as Hilltop Laboratories, Minneapolis, Minn. Intestinal astringent for poultry. 410,692; Dec. 12; Serial No. 471,270; published Sept. 26, 1944. Class 6.

Moore, Fred H., doing business as Hilltop Laboratories, Minneapolis, Minn. Poultry medicine. 410,693; Dec. 12; Serial No. 471,271; published Sept. 26, 1944. Class 6.

Morgan, Edwin P., Oakland, Calif. Floor and wall supported shelves, children's play pens, cribs, and cabinets. 410,669; Dec. 12; Serial No. 466,064; published Oct. 3, 1944. Class 32.

Murphey, Edwin M., Macon, Miss. Medicinal preparation. 191,918; renewed Nov. 25, 1944.

Mutual Orange Distributors, Redlands, Calif. Fresh citrus fruits. 197,823; renewed Apr. 28, 1945.

National Toilet Company, doing business as Merrit Distributors, Paris, Tenn. Face powder and perfume. 410,689; Dec. 12; Serial No. 471,227; published Sept. 26, 1944. Class 6.

Newbro Manufacturing Company. (See Newbro Manufacturing Co., assignor.)

Newbro Manufacturing Co., assignor, by mesne assignments, to Newbro Manufacturing Company, Atlanta, Ga. Deodorant. 194,868; renewed Feb. 10, 1945.

New Products Laboratories. (See Wilhelm, Warren F.)

Northrup, King & Co., Minneapolis, Minn. Lawn-grass seed. 191,520; renewed Nov. 11, 1944.

Obermayer, S., Co., The, Chicago, Ill. Plumbago. 195,842; renewed Mar. 3, 1945.

Odell Company, Inc., The, Newark, N. J. Hair tonic. 410,677; Dec. 12; Serial No. 469,647; published Sept. 26, 1944. Class 6.

Ohio Chemical & Mfg. Co., The, Cleveland, Ohio. Anesthetic. 410,696; Dec. 12; Serial No. 471,615; published Sept. 26, 1944. Class 6.

Old Forge Smithing Coal Company. (See Leland Coal Mining Company.)

Ormont Drug & Chemical Co., Inc., Long Island City, N. Y. Toilet water. 410,690; Dec. 12; Serial No. 471,232; published Sept. 26, 1944. Class 6.

Orono Pulp & Paper Company, Bangor, assignor to Eastern Corporation, Brewer, Maine. Wrapping paper. 191,423; renewed Nov. 11, 1944.

Pak-O-Gud Bakery Products, Inc., Philadelphia, Pa. Cookies. 410,721; Dec. 12. Class 46.

Panitz, Isidor, doing business as Yale Underwear Co., Baltimore, Md., assignor to Herman Heller, New York, N. Y. Men's, boys', girls' textile athletic union suits, shirts and drawers, etc. 197,706; renewed Apr. 21, 1945.

Penn Paste Milling Company, assignor to Miner Hillard Milling Co., Wilkes-Barre, Pa. Dry pastes. 197,748; renewed Apr. 21, 1945.

Pillsbury Flour Mills Company, Minneapolis, Minn. Flour made from wheat. 410,661; Dec. 12; Serial No. 436,523; published Oct. 3, 1944. Class 46.

Pointer Hosiery Co., to Adams-Millis Corporation, High Point, N. C., successor. Men's half hose. 194,494; renewed Jan. 27, 1945.

Puratized, Inc., New York, N. Y. Bacteriocidal and fungicidal compositions. 410,703; Dec. 12; Serial No. 471,879; published Sept. 26, 1944. Class 6.

Redlands Heights Groves. (See Redlands Heights Groves, Inc., assignor.)

Redlands Heights Groves, Inc., assignor to Redlands Heights Groves, Redlands, Calif. Fresh citrus fruits. 197,728; renewed Apr. 21, 1945.

Reed Bros., assignor to Reed Bros., Inc., Fort Fairfield, Maine. Potatoes. 190,843; renewed Oct. 28, 1944.

Reed Bros., Inc. (See Reed Bros., assignor.)

Reliance Dental Mfg. Co., Chicago, Ill. Denture liners. 410,706; Dec. 12; Serial No. 472,535, published Oct. 3, 1944. Class 44.

Rice-Stix Dry Goods Company. (See Salant & Salant, Inc., assignor.)

Richard, C. E., & Sons, Muscatine, Iowa. Lard, bacon, dried beef, etc. 189,936; renewed Sept. 30, 1944.

Rosenblums, Los Angeles, Calif. Men's and ladies' suits, sport coats, and top coats, etc. 410,717; Dec. 12. Class 39.

Royal Flour Company. (See Royal Milling Company.)

Royal Milling Company, to Royal Flour Company, Nashville, Tenn., successor. Soft-wheat short patent plain flour. 192,721; renewed Dec. 9, 1944.

Runkel Brothers, Inc., assignor, by mesne assignments, to Lamont, Corliss & Company, New York, N. Y. Chocolate-flavored malt food preparation. 191,832; renewed Nov. 18, 1944.

Rust Craft Pub. Inc., Boston, Mass. Greeting cards. 197,625; renewed Apr. 21, 1945.

Salant & Salant, Inc., New York, N. Y., assignor to Rice-Stix Dry Goods Company, St. Louis, Mo. Work shirts. 197,017; renewed April 7, 1945.

Sampson, E. C., Wenatchee, Wash. Fresh apples. 196,043; renewed Mar. 10, 1945.

Saranac Glove Company, Little, N. H. Leather mittens and gloves. 197,626; renewed April 21, 1945.

Scholl Manufacturing Company, Inc., Chicago, Ill., by change of name to The Scholl Mfg. Co., Inc. Foot corrective appliances. 197,623; renewed Apr. 21, 1945.

Scholl Mfg. Co., Inc., The. (See Scholl Manufacturing Company, Inc.)

Shawnee Pottery Company, Zanesville, Ohio. Ceramic table and cooking ware. 410,723; Dec. 12. Class 30.

Sheffield Farms Company, Inc., New York, N. Y. Hydrolyzed casein product. 410,687; Dec. 12; Serial No. 471,054; published Sept. 26, 1944. Class 6.

Simonds Saw and Steel Company, Fitchburg, Mass. Machine knives. 197,551; renewed Apr. 21, 1945.

Sloan Valve Company, Chicago, Ill. Flush valves for water supply systems. 410,682; Dec. 12; Serial No. 470,684; published Oct. 3, 1944. Class 13.

Smith Rice Mill Company, De Witt, Ark. Rough rice, rice bran, and mixed feeds. 197,413; renewed Apr. 14, 1945.

Stern, Walter, New York, N. Y. Hand bags, billfolds, pocket secretaries, etc. 410,683; Dec. 12; Serial No. 470,742; published Oct. 3, 1944. Class 3.

Strasenburgh, R. J., Company, Rochester, N. Y. Medicinal preparations in tablet form for producing vasodilation, etc. 410,698; Dec. 12; Serial No. 471,717; published Sept. 26, 1944. Class 6.

Strasenburgh, R. J., Company, Rochester, N. Y. Medicinal preparations in tablet form acting as a spasmolytic in pylorospasms, etc. 410,699; Dec. 12; Serial No. 471,718; published Sept. 26, 1944. Class 6.

Sun Harbor Packing Company. (See Dalton-Hoagland Co., assignor.)

Superior Motor Parts Company, assignor to Superior Motor Parts Company, Pittsburgh, Pa. Automobile engines, pistons, crank shafts, etc. 190,682; renewed Oct. 21, 1944.

Swedish Shampoo Laboratories, The, Long Island City, N. Y. Shampoo. 410,700; Dec. 12; Serial No. 471,765; published Sept. 26, 1944. Class 6.

Tompkins' Label Service, Philadelphia, Pa. Printed labels. 410,733; Dec. 12. Class 38.

Tots' Toys. (See Hartwig, Walter A.)

Tremco Manufacturing Company, The, Cleveland, Ohio. Mastic coating. 410,730; Dec. 12. Class 12.

Union Railway Equipment Co., Chicago, Ill. Drop brake shafts, geared brakes, freight-car tank supports, etc. 197,646; renewed Apr. 21, 1945.

U. S. Industrial Chemical Co., Baltimore, Md., assignor to U. S. Industrial Chemicals, Inc., New York, N. Y. Solvents in solvent mixtures. 197,735; renewed Apr. 21, 1945.

U. S. Industrial Chemicals, Inc. (See U. S. Industrial Chemical Co., assignor.)

United States War Department, Washington, D. C. Kit containing a chemical prophylactic, instruction sheet, wash cloth saturated with soap, and cleansing tissue. 410,705; Dec. 12; Serial No. 472,165; published Oct. 3, 1944. Class 44.

Utah Canning Company, The, Ogden, Utah. Canned tomatoes. 197,604; renewed Apr. 21, 1945.

Van Drimmelen, Paul, doing business as Franklin Optical Company, Buffalo, N. Y. Eyeglass lenses. 410,715; Dec. 12. Class 26.

Victor Insulators, Inc., Victor, N. Y. Ceramic table and cooking ware. 410,670; Dec. 12; Serial No. 466,113; published Oct. 3, 1944. Class 30.

Volitant Publishing Company, New York, N. Y. Magazine. 410,734; Dec. 12. Class 38.

Wahl, Martin C., El Centro, Calif. Fresh cantaloupes and lettuce. 197,362; renewed Apr. 14, 1945.

Wallace & Tiernan Products, Inc., Belleville, N. J. Pharmaceutical preparation for use as disinfectant, etc. 410,697; Dec. 12; Serial No. 471,649; published Sept. 26, 1944. Class 6.

Wanamaker, John, Philadelphia, Philadelphia, Pa. Athletic and sports clothing. 197,578–80; renewed Apr. 21, 1945.

Wandt Novelty Corp., New York, N. Y. Corsage ornament comprising artificial flowers. 410,664; Dec. 12; Serial No. 461,423; published Oct. 3, 1944. Class 50.

Warren, S. D., Company, Boston, Mass. Printing paper. 196,823; renewed Mar. 31, 1945.

Wawak Company, Inc. (See Bilhuber-Wawak Company.)

Wesco Waterpaints, Inc. (See West Coast Kalsomine Company.)

West Coast Kalsomine Company, Berkeley, Calif., by change of name to Wesco Waterpaints, Inc. Dry powder calcimine. 195,309; renewed Feb. 24, 1945.

West Coast Pottery, Inc., Burbank, Calif. Ceramic dinner ware, bowls, trays, vases. 410,727; Dec. 12. Class 20.

Western Auto Supply Company, Los Angeles, Calif. Home heat insulation. 410,716; Dec. 12.

Westfeldt Brothers, New Orleans, La. Green coffee. 190,910; renewed Oct. 28, 1944.

White Swan Uniforms, Inc. (See Cooper, Leo M., assignor.)

Wilhelm, Warren F., doing business as New Products Laboratories, Chicago, Ill. Sprinkler heads and nozzles. 410,680; Dec. 12; Serial No. 470,590; published Oct. 3, 1944. Class 13.

Willson Products, Inc., Reading, Pa. Ophthalmic lenses. 410,737; Dec. 12. Class 26.

Wine Growers Guild. (See California Wine Sales, Inc.)

Worumbo Manufacturing Company, Bath, to Worumbo Manufacturing Company, Lisbon Falls, Maine. Woolen goods in the piece. 191,210; renewed Nov. 4, 1944.

Yale Underwear Co. (See Panitz, Isidor.)

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. Bair-Collins Co. 197,086; renewed Apr. 7, 1945.

Coal. Leland Coal Mining Company. 195,487; renewed Feb. 24, 1945.

Plumbago. S. Obermayer Co. 195,842; renewed Mar. 3, 1945.

Seed, Lawn-grass. Northup, King & Co. 191,520; renewed Nov. 11, 1944.

CLASS 3

Bags, billfolds, pocket secretaries, etc., Hand. W. Stern. 410,683; Dec. 12; Serial No. 470,742; published Oct. 3, 1944.

Handbags, Ladies'. Gold Seal Importers, Inc. 410,709; Dec. 12; Serial No. 472,810; published Oct. 3, 1944.

Handbags, Ladies'. Lowy & Mund. 410,710; Dec. 12; Serial No. 473,104; published Oct. 3, 1944.

CLASS 4

Chemical compound. Dif Corporation. 196,719; renewed Mar. 24, 1945.

Polishing wheels and felts therefor. Eastern Felt Company. 195,133–6; renewed Feb. 17, 1945.

Soap. R. Hudnut. 197,314; renewed Apr. 14, 1945.

CLASS 5

Pastes, Dry. Penn Paste Milling Company. 197,748; renewed Apr. 21, 1945.

CLASS 6

Additive for motor fuels and oils. Leo Corporation. 410,679; Dec. 12; Serial No. 470,201; published Sept. 26, 1944.

Anesthetic. Ohio Chemical & Mfg. Co. 410,696; Dec. 12; Serial No. 471,615; published Sept. 26, 1944.

Astringent for poultry, Intestinal. F. H. Moore. 410,692; Dec. 12; Serial No. 471,270; published Sept. 26, 1944.

Bacteriocidal and fungicidal compositions. Puratized, Inc. 410,703; Dec. 12; Serial No. 471,879; published Sept. 26, 1944.

Casein product, Hydrolyzed. Sheffield Farms Company. 410,687; Dec. 12; Serial No. 471,054; published Sept. 26, 1944.

Chemical preparation. J. D. Cardinell. 191,553; renewed Nov. 11, 1944.

Chemical toning solutions. Grant Photo Products, Inc. 410,685–6; Dec. 12; Serial Nos. 470,972–3; published Sept. 26, 1944.

Deodorant. Newbro Manufacturing Co. 194,868; renewed Feb. 10, 1945.

Hypochlorite solution, Sodium. Miami Products and Chemical Company. 410,684; Dec. 12; Serial No. 470,837; published Sept. 26, 1944.

Medicinal preparation. E. M. Murphey. 191,918; renewed Nov. 25, 1944.

Medicinal preparation recommended for use in prophylaxis, etc. Hoffmann-La Roche, Inc. 410,674; Dec. 12; Serial No. 468,031; published Sept. 26, 1944.

Medicinal preparations in tablet form acting as a spasmolytic in pylorospasms, etc. R. J. Strasenburgh Company 410,699; Dec. 12; Serial No. 471,718; published Sept. 26, 1944.

Medicinal preparations in tablet form for producing vasodilation, etc. R. J. Strasenburgh Company. 410,698; Dec. 12; Serial No. 471,717; published Sept. 26, 1944.

Medicines having germicidal, antibacterial and antiseptic properties. F. M. Cerbini. 410,668; Dec. 12; Serial No. 464,217; published Sept. 26, 1944.

Ointment and a remedy for diseases of the blood. Guardians Ointment Co. Inc. 193,701; renewed Jan. 6, 1945.

Ointment for topical application to the lips, chin and nostrils. L. D. Bracken. 410,688; Dec. 12; Serial No. 471,068; published Sept. 26, 1944.

Perfume extracts, toilet water, face powders, etc. Cartier, Inc. 410,701; Dec. 12; Serial No. 471,862; published Sept. 26, 1944.

Pharmaceutical preparation for use as disinfectant, etc. Wallace & Tiernan Products, Inc. 410,697; Dec. 12; Serial No. 471,649; published Sept. 26, 1944.

Photographic fixing agents. Edwal Laboratories, Inc. 410,695; Dec. 12; Serial No. 471,595; published Sept. 26, 1944.

Poultry medicine. F. H. Moore. 410,693; Dec. 12; Serial No. 471,271; published Sept. 26, 1944.

Powder and perfume, Face. National Toilet Company. 410,689; Dec. 12; Serial No. 471,227; published Sept. 26, 1944.

Powder, compact face powder, cleansing cream, etc., Face. R. Hudnut. 197,192; renewed Apr. 14, 1945.

Preparation for the relief of gapes, influenza, bronchitis, etc. F. H. Moore. 410,697; Dec. 12; Serial No. 471,268; published Sept. 26, 1944.

Preparation for the treatment of coughs, colds, and throat troubles. Kemp & Lane, Inc. 197,391; renewed Apr. 14, 1945.

Preparations for internal and external use; and medicinal and toilet preparations. E. C. De Witt & Co. 197,205; renewed Apr. 14, 1945.

Preparations for internal and external use, medicinal and toilet preparations, etc. E. C. De Witt & Co. 197,482; renewed Apr. 21, 1945.

Preparations in powder and cigarette form for the treatment of asthmatic attacks. J. H. Guild Company. 410,673; Dec. 12; Serial No. 467,846; published Sept. 26, 1944.

Shampoo. Swedish Shampoo Laboratories. 410,700; Dec. 12; Serial No. 471,765; published Sept. 26, 1944.

Shampoo and lanoline eucalyptus compound. Lusta-Foame Company. 410,672; Dec. 12; Serial No. 467,598; published Sept. 26, 1944.

Solvents in solvent mixtures. U. S. Industrial Chemical Co. 197,735; renewed Apr. 21, 1945.

Toilet water. Ormont Drug & Chemical Co. 410,690; Dec. 12; Serial No. 471,232; published Sept. 26, 1944.

Tonic, Hair. Odell Company. 410,677; Dec. 12; Serial No. 469,647; published Sept. 26, 1944.

CLASS 12

Coating, Mastic. Tremco Manufacturing Company. 410,730; Dec. 12.

Emery, Crushed. Empire Emery Corporation. 410,714; Dec. 12.

Insulating sound-deadening material, Suberous. Korfund Company. 195,858; renewed Mar. 3, 1945.

Insulation, Home heat. Western Auto Supply Company. 410,716; Dec. 12.

Roofing, Sheet. Commercial Selling Co. 197,747; renewed Apr. 21, 1945.

Silicate, Hydrous aluminum. Lubri-Gel Products. 410,726; Dec. 12.

Tiling, Metal floor and wall. Duratile Corporation. 410,678; Dec. 12; Serial No. 469,674; published Oct. 3, 1944.

CLASS 13

Floats and air chambers. F. Engelhard & Sons. 188,357; renewed Aug. 26, 1944.

Heads and nozzles, Sprinkler. W. F. Wilhelm. 410,680; Dec. 12; Serial No. 470,590; published Oct. 3, 1944.

Valves for water supply systems, Flush. Sloan Valve Company. 410,682; Dec. 12; Serial No. 470,684; published Oct. 3, 1944.

CLASS 14

Metal, Babbitt. American Crucible Products Co. 197,740; renewed Apr. 21, 1945.

CLASS 15

Gasoline, lubricating oils, and greases. Mexican Petroleum Corporation of Louisiana, Inc. 192,004; renewed Nov. 25, 1944.

Oils, Lubricating. Atlantic Refining Company. 410,662–3; Dec. 12; Serial Nos. 454,163–4; published Oct. 3, 1944.

Oils, motor oils, and oils for preventing chattering, etc., Lubricating. Atlantic Refining Company. 192,155; renewed Nov. 25, 1944.

Petroleum products. J. A. Hogshire & Son, Inc. 410,681; Dec. 12; Serial No. 470,663; published Oct. 3, 1944.

CLASS 16

Calcimine, Dry powder. West Coast Kalsomine Company. 195,309; renewed Feb. 24, 1945.

Paints and varnishes, Ready mixed. Baker Paint & Varnish Co. 195,174; renewed Feb. 17, 1945.

Paints, varnishes and enamels, Ready mixed. Baker Paint and Varnish Co. 195,173; renewed Feb. 17, 1945.

CLASS 17

Cigarettes. L. Bamberger & Co. 197,387; renewed Apr. 14, 1945.

Cigars. L. Bamberger & Co. 197,053; renewed Apr. 7, 1945.

CLASS 19

Cars, Self-propelled and manually propelled rail. Fairbanks, Morse & Co. 410,719; Dec. 12.

Shafts, geared brakes, freight-car tank supports, Drop brake. Union Railway Equipment Co. 197,646; renewed Apr. 21, 1945.

Trucks, Motor-driven. General Motors Corporation. 193,674; renewed Jan. 6, 1945.

CLASS 21

Headlight structures, Complete unitary mine locomotive. Charleston Electrical Supply Company. 410,720; Dec. 12.

Plates or elements, Battery. Electric Storage Battery Company. 196,509; renewed Mar. 17, 1945.

CLASS 22

Toy horses. W. A. Hartwig. 410,728–9; Dec. 12.
Toys, Knockdown. Dix Manufacturing Corp. 410,702; Dec. 12; Serial No. 471,868; published Oct. 3, 1944.
Toys simulating a penguin, Pull. Firestone Tire & Rubber Company. 410,666; Dec. 12; Serial No. 462,817; published Oct. 3, 1944.
Toys simulating a turtle, Pull. Firestone Tire & Rubber Company. 410,665; Dec. 12; Serial No. 462,704; published Oct. 3, 1944.
Toys, Wheeled. American Distributors Co. 410,694; Dec. 12; Serial No. 471,382; published Oct. 3, 1944.

CLASS 23

Cigarette machinery, Elements of. H. Disston & Sons, Incorporated. 196,610; renewed Mar. 24, 1945.
Engines, pistons, crankshafts, etc., Automobile. Superior Motor Parts Company. 190,682; renewed Oct. 21, 1944.
Knives, Machine. Simonds Saw and Steel Company. 197,551; renewed Apr. 21, 1945.
Razor blades, Safety. Burma-Vita Company. 410,732; Dec. 12.
Vending machines. Columbus Vending Company. 195,751; renewed Mar. 3, 1945.

CLASS 26

Gauge, Air pressure. General Tire & Rubber Company. 410,711; Dec. 12.
Lenses, Eyeglass. P. Van Drimmelen. 410,715; Dec. 12.
Lenses, Ophthalmic. Willson Products, Inc. 410,737; Dec. 12.

CLASS 28

Earrings, bracelets, bar pins, etc. Blacher Brothers. 197,264; renewed Apr. 14, 1945.
Rings and wedding rings, Men's diamond. A. Cohen & Sons Corp. 410,725; Dec. 12.
Tableware, Silver-plated flat. International Silver Company. 197,217; renewed Apr. 14, 1945.
Tableware, Silver-plated flat. International Silver Company. 197,287; renewed Apr. 14, 1945.

CLASS 29

Brushes. Empire Brush Works. 410,667; Dec. 12; Serial No. 463,016; published Mar. 7, 1944.

CLASS 30

Chinaware, pottery, crockery, etc. L. Bamberger & Co. 195,893; renewed Mar. 3, 1945.
Dinner ware, bowls, trays, vases, Ceramic. West Coast Pottery, Inc. 410,727; Dec. 12.
Table and cooking ware, Ceramic. Shawnee Pottery Company. 410,723; Dec. 12.
Table and cooking ware, Ceramic. Victor Insulators, Inc. 410,670; Dec. 12; Serial No. 466,113; published Oct. 3, 1944.

CLASS 32

Shelves, children's play pens, cribs, and cabinets, Floor and wall supported. E. P. Morgan. 410,669; Dec. 12; Serial No. 466,064; published Oct. 3, 1944.

CLASS 35

Belts, rubber and fabric patches, etc., Fan. P. L. Knick. 194,200; renewed Jan. 20, 1945.

CLASS 37

Paper, cover papers, and catalogue papers, Book. Bergstrom Paper Company. 196,807; renewed Mar. 31, 1945.
Paper, Printing. S. D. Warren Company. 196,823; renewed Mar. 31, 1945.
Paper, Wrapping. Hummel-Ross Fibre Corporation. 197,538; renewed Apr. 21, 1945.
Paper, Wrapping. Orono Pulp & Paper Company. 191,423; renewed Nov. 11, 1944.

CLASS 38

Cards, Greeting. Rust Craft Pub. Inc. 197,625; renewed Apr. 21, 1945.
Checks, Miners' printed. Daly Ticket Company. 410,736; Dec. 12.
Labels, Printed. Tompkins' Label Service. 410,733; Dec. 12.
Magazine. Volitant Publishing Company. 410,734; Dec. 12.
Magazines. McGraw-Hill Publishing Company. 410,718; Dec. 12.
Publications, Monthly. Ahrens Publishing Company. 193,730; renewed Jan. 6, 1945.

CLASS 39

Clothing, Athletic and sports. John Wanamaker Philadelphia. 197,578–80; renewed Apr. 21, 1945.
Dresses, bath robes, waists, etc., Uniform. L. M. Cooper. 194,124; renewed Jan. 13, 1945.
Dresses, blouses, outer shorts, etc., Ladies' and misses'. Cheryl Chase, Inc. 410,731; Dec. 12.
Furnishings, undergarments, and clothing, Misses' and girls'. Best & Co. 194,306; renewed Jan. 20, 1945.
Gloves, knitted or textile underwear and hosiery, Fabric. Julius Kayser & Co. 195,318; renewed Feb. 24, 1945.
Heels. Goodyear Tire & Rubber Company. 193,950; renewed Jan. 13, 1945.
Hose, Men's half. Pointer Hosiery Co. 194,494; renewed Jan. 27, 1945.
Hosiery. Donald Company. 197,712; renewed Apr. 21, 1945.
Hosiery. McLellan Stores Company. 192,261; renewed Dec. 2, 1944.
Mittens and gloves, Leather. Saranac Glove Company. 197,626; renewed Apr. 21, 1945.
Shirts, Work. Salant & Salant, Inc. 197,017; renewed Apr. 7, 1945.
Shoes. Educator Shoe Corporation of America. 410,707–8; Dec. 12; Serial Nos. 472,618–19.
Shoes, girls' and junior girls' coats, suits, etc. Bullock's. 196,993; renewed Apr. 7, 1945.
Shoes, Leather. Buckingham & Hecht. 197,016; renewed Apr. 7, 1945.
Suits, for men, young men, and youths. Boyd-Richardson Company. 197,550; renewed Apr. 21, 1945.
Suits, sport coats and top coats, Men's and ladies'. Rosenblums. 410,717; Dec. 12.
Undergarments, Women's. Martha Maid Mfg. Co. 410,713; Dec. 12.
Union suits, shirts, and drawers, etc., Men's, boys', girls' textile athletic. I. Panitz. 197,706; renewed Apr. 21, 1945.

CLASS 40

Combs. Fuller Brush Company. 196,728; renewed Mar. 24, 1945.

CLASS 42

Awning stripes and ticking. John Boyle & Company. 197,692; renewed Apr. 21, 1945.
Cotton piece goods. Cohn-Hall-Marx Co. 196,396; renewed Mar. 17, 1945.
Cotton piece goods. Liberty & Co., Limited. 197,689; renewed Apr. 21, 1945.
Shirtings, Silk stripe. Cohn-Hall-Marx Co. 196,360; renewed Mar. 17, 1945.
Woolen goods in the piece. Worumbo Manufacturing Company. 191,210; renewed Nov. 4, 1944.
Woolen piece goods. Bilhuber-Wawak Company. 191,143; renewed Nov. 4, 1944.
Woolen piece goods. Bilhuber-Wawak Company. 191,211–12; renewed Nov. 4, 1944.
Woolen piece goods. Bilhuber-Wawak Company. 191,220; renewed Nov. 4, 1944.

CLASS 44

Denture liners. Reliance Dental Mfg. Co. 410,706; Dec. 12; Serial No. 472,535; published Oct. 3, 1944.
Foot corrective appliances. Scholl Manufacturing Company. 197,623; renewed Apr. 21, 1945.
Kit containing a chemical prophylactic, instruction sheet, wash cloth saturated with soap, and cleansing tissue. United States War Department. 410,705; Dec. 12; Serial No. 472,165; published Oct. 3, 1944.

CLASS 45

Ginger ale and sirup for making the same. Hydrox Corporation. 192,271; renewed Dec. 2, 1944.

CLASS 46

Apples, Fresh. E. C. Sampson. 196,043; renewed Mar. 10, 1945.
Candy. E. A. Hoffman Candy Co. 196,900; renewed Mar. 31, 1945.
Canned corn. Big Stone Canning Co. 191,750; renewed Nov. 18, 1944.
Canned fruits, canned vegetables, coffee, etc. Dalton-Hoagland Co. 196,497; renewed Mar. 17, 1945.
Canned tomatoes. Utah Canning Company. 197,604; renewed Apr. 21, 1945.
Cantaloupes and lettuce, Fresh. M. C. Wahl. 197,362; renewed Apr. 14, 1945.
Chocolate, Milk. Lamont, Corliss & Company. 193,953; renewed Jan. 13, 1945.
Coffee, Green. Westfeldt Brothers. 190,910; renewed Oct. 28, 1944.
Cookies. Pak-O-Gud Bakery Products, Inc. 410,721; Dec. 12.
Dog food. R. W. Christler. 410,704; Dec. 12; Serial No. 471,895; published Oct. 3, 1944.
Extracts, Food flavoring. Central Specialty Products Company. 194,812; renewed Feb. 10, 1945.
Flavoring material. Montgomerie & Company, Limited. 26,462; re-renewed Apr. 23, 1945.
Flour made from wheat. Pillsbury Flour Mills Company. 410,661; Dec. 12; Serial No. 436,523; published Oct. 3, 1944.
Flour, Soft-wheat short patent plain. Royal Milling Company. 192,721; renewed Dec. 9, 1944.
Food products, Frozen. Foxstand Foods Incorporated. 410,712; Dec. 12.
Fruits, Fresh citrus. Redland Heights Groves, Inc. 197,728; renewed Apr. 21, 1945.
Fruits, Fresh citrus. Mutual Orange Distributors. 197,823; renewed Apr. 28, 1945.
Gum, Chewing. American Chewing Products Corp. 410,676; Dec. 12; Serial No. 469,528; published Oct. 3, 1944.

Lard, bacon, dried beef, etc. C. E. Richard & Sons. 189,936; renewed Sept. 30, 1944.
Malt food preparation, Chocolate-flavored. Runkel Brothers, Inc. 191,832; renewed Nov. 18, 1944.
Olive oil. Brewer & Company. 197,658; renewed Apr. 21, 1945.
Potatoes. Reed Bros. 190,843; renewed Oct. 28, 1944.
Potatoes, Dehydrated. Idaho Dehydrated Food Co. 410,671; Dec. 12; Serial No. 466,445; published Oct. 3, 1944.
Rice, rice bran, and mixed feeds, Rough. Smith Rice Mill Company. 197,413; renewed Apr. 14, 1945.
Spread, Cheese. Blue Moon Foods, Inc. 410,675; Dec. 12; Serial No. 468,276; published Oct. 3, 1944.

CLASS 47

Wines. California Wine Sales, Inc. 410,724; Dec. 12.

CLASS 49

Whiskey. Imperial Importers, Inc. 410,722; Dec. 12.

CLASS 50

Chemical ejector, Ground planted automatic bait-release operated. Humane Coyote Getter, Inc. 410,735; Dec. 12.
Ornament comprising artificial flowers, Corsage. Wandt Novelty Corp. 410,664; Dec. 12; Serial No. 461,423; published Oct. 3, 1944.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 12TH DAY OF DECEMBER, 1944

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

American Photocopy Equipment Co. (See Creange, Arthur L., assignor.)

Creange, Arthur L., assignor to American Photocopy Equipment Co., Chicago, Ill. Photoprinting device. Re. 22,575; Dec. 12.

Freeman, Robert L., Flushing, N. Y., assignor to Hazeltine Corporation. High-frequency signal-translating stage. Re. 22,576; Dec. 12.

Hazeltine Corporation. (See Freeman, Robert L., assignor.)

Thomas, Albert N., assignor to Thomas Hydraulic Speed Controls, Incorporated, Dodge City, Kans. Hydraulic clutch. Re. 22,577; Dec. 12.

Thomas Hydraulic Speed Controls, Incorporated. (See Thomas, Albert N., assignor.)

Tyson, Archie M., Dallas, Tex. Piano. Re. 22,578; Dec. 12.

LIST OF DESIGN PATENTEES

Adler, Allan, Burbank, Calif. Band for a wrist watch or similar article. 139,740; Dec. 12.

Ashbaugh, Bernard D. (See Kilburn, R. R., and Ashbaugh.)

Benoit, Peter, Alexandria, Ontario, Canada. Combined direction indicating signal and switch. 139,701; Dec. 12.

Berkow, Murray. (See Kartveli, A., and Berkow.)

Bilek, Frank J., assignor to The Globe Company, Chicago, Ill. Poultry shackle. 139,673; Dec. 12.

Blum, Louis, Los Angeles, Calif. Finger ring. 139,731; Dec. 12.

Boucher, Marcel, New York, N. Y. Pin or similar article. 139,674; Dec. 12.

Boucher, Marcel, New York, N. Y. Pin or similar article. 139,675; Dec. 12.

Boucher, Marcel, New York, N. Y. Pin or similar article. 139,676; Dec. 12.

Boucher, Marcel, New York, N. Y. Pin or similar article. 139,677; Dec. 12.

Boucher, Marcel, New York, N. Y. Earring or similar article. 139,678; Dec. 12.

Castle, Emil J., Lenox, Mich. Milking stool. 139,702; Dec. 12.

Conover, Robert E., assignor to The Sheffield Corporation, Dayton, Ohio. Spring testing gauge. 139,703; Dec. 12.

Coro, Inc. (See Katz, Adolph, assignor.)

Dahlquist, Seth E., Cadillac, Mich. Toy gun. 139,673; Dec. 12.

Darr, Harold W., assignor to The Maico Company, Incorporated, Minneapolis, Minn. Hearing aid unit. 139,704; Dec. 12.

Davis, Pearl A., Los Angeles, Calif. Smoker's table or the like. 139,719; Dec. 12.

De Kolb, Eric, New York, N. Y. Handbag. 139,680; Dec. 12.

De Kolb, Eric, New York, N. Y. Handbag. 139,681; Dec. 12.

De Kolb, Eric, New York, N. Y. Handbag. 139,682; Dec. 12.

De Pasquale, John, and A. Westerman, assignors to Hardy Metal Specialties, Inc., Brooklyn, N. Y. Clasp for a handbag or similar article. 139,683; Dec. 12.

Dickerson, John W. (See Motley, Robert L., assignor.)

Frascino, Mario, New York, N. Y. Suit. 139,705; Dec. 12.

Frick-Gallagher Manufacturing Co., The. (See Mueller, Arthur W., assignor.)

Globe Company, The. (See Bilek, Frank J., assignor.)

Golden, Zelma, New York, N. Y. Dress. 139,734; Dec. 12.

Golden, Zelma, New York, N. Y. Dress. 139,735; Dec. 12.

Golden, Zelma, New York, N. Y. Dress. 139,736; Dec. 12.

Golden, Zelma, New York, N. Y. Dress. 139,737; Dec. 12.

Golden, Zelma, New York, N. Y. Dress. 139,738; Dec. 12.

Grant, Samuel, assignor to Products Development, Inc., Chicago, Ill. Hair curler. 139,684; Dec. 12.

H-P-M Development Corporation. (See Kilburn, R. R., and Ashbaugh, assignors.)

Hardy Metal Specialties, Inc. (See De Pasquale, J., and Westerman, assignors.)

Heintz, Ralph M., Cleveland, assignor to Jack & Heintz, Inc., Bedford, Ohio. Motor for operating movable parts of an airplane. 139,720; Dec. 12.

Hollander, Lewis H., New York, N. Y. Embroidered fabric. 139,685; Dec. 12.

Hyman, Nathaniel, New York, N. Y. Miniature bureau or similar article. 139,706; Dec. 12.

Jack & Heintz, Inc. (See Heintz, Ralph M., assignor.)

Jackson, Jules, Great Neck, N. Y. Comb. 139,728; Dec. 12.

Jessen, Arnold H., West Hollywood, Calif. Hand truck for golf clubs. 139,707; Dec. 12.

Kartveli, Alexander, Huntington Station, and M. Berkow, Flushing Heights, N. Y., assignors to Republic Aviation Corporation. Airplane. 139,729; Dec. 12.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring. 139,686; Dec. 12.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring. 139,687; Dec. 12.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 139,688; Dec. 12.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 139,689; Dec. 12.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 139,690; Dec. 12.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch. 139,691; Dec. 12.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch. 139,692; Dec. 12.

Kilburn, Russell R., Pelham Manor, N. Y., and B. D. Ashbaugh, Mount Gilead, Ohio, assignors to H-P-M Development Corporation, Wilmington, Del. Molding machine. 139,721; Dec. 12.

Lapin, Samuel, New York, N. Y. Combination step-ladder, ironing board, table, chair, book and shoe rack, baby's high chair and utility cabinet. 139,708; Dec. 12.

Leser, Tina, New York, N. Y. Skirt. 139,709; Dec. 12.

Leser, Tina, New York, N. Y. Sun-back dress. 139,739; Dec. 12.

Maico Company, Incorporated, The. (See Darr, Harold W., assignor.)

Mathisson, Clarence A., Chicago, Ill. Combined child's play table and seat or the like. 139,730; Dec. 12.

Motley, Robert L., Dayton, Ohio, assignor of fifty per cent to J. W. Dickerson, Newark, N. J. Comb. 139,693; Dec. 12.

Mueller, Arthur W., Newton, assignor to The Frick-Gallagher Manufacturing Co., Wellston, Ohio. Drawer unit for rotary storage bins. 139,710; Dec. 12.

Oelrich, Robert T., Chicago, Ill. Case for meters or similar article. 139,694; Dec. 12.

Pannhausen, John, Oak Park, and C. A. Raabe, Chicago, Ill. Infant's commode. 139,711; Dec. 12.

Park, Malcolm S., Mount Kisco, N. Y., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machine. 139,712; Dec. 12.

Philippe, Alfred, New York, N. Y. Brooch pin. 139,695; Dec. 12.

Pileggi, Vincent R., Philadelphia, Pa. Combined comb, razor, and rule. 139,696; Dec. 12.

Products Development, Inc. (See Grant, Samuel, assignor.)

Raabe, Carl A. (See Pannhausen, J., and Raabe.)

Rappaport, Ingvelde, New York, N. Y. Child's garment hanger. 139,713; Dec. 12.

Rath, Frank H., Garden City, N. Y. Handbag. 139,697; Dec. 12.

Rath, Frank H., Garden City, N. Y. Handbag. 139,698; Dec. 12.

Republic Aviation Corporation. (See Kartveli, A., and Berkow, assignors.)

Rindskopf, Alexander C., Wilmette, Ill. Combination dresser, vanity, and desk. 139,714; Dec. 12.

Robbins, Irwin M., New York, N. Y. Plastic unit for use on handbags or the like. 139,699; Dec. 12.

Rosenstein, Charles, Paterson, N. J. Textile fabric or similar article. 139,723; Dec. 12.

Rosenstein, Charles, Paterson, N. J. Textile fabric or similar article. 139,724; Dec. 12.
Rosenstein, Charles, Paterson, N. J. Textile fabric or similar article. 139,725; Dec. 12.
Rosenstein, Charles, Paterson, N. J. Textile fabric or similar article. 139,726; Dec. 12.
Rosenstein, Charles, Paterson, N. J. Textile fabric or similar article. 139,727; Dec. 12.
Rost, Katheryn, New York, N. Y. Dress. 139,732; Dec. 12.
Sheffield Corporation, The. (See Conover, Robert E., assignor.)
Singer Manufacturing Company, The. (See Park, Malcolm S., assignor.)
Truhon, John A., Detroit, Mich. Adjustable lettering device. 139,700; Dec. 12.
Wagner, Raebelle, Freehold, N. J. Combined reflector bulb and stand. 139,715; Dec. 12.
Walker, Joset, New York, N. Y. Dress. 139,733; Dec. 12.
Walsh, James V., Kenmore, N. Y. Lawn sprinkler. 139,722; Dec. 12.
Westerman, Alexander. (See De Pasquale, J., and Westerman.)
White, George E., Bradenton, Fla. Soap and brush holder or similar article of manufacture. 139,716; Dec. 12.
White, George E., Bradenton, Fla. Soap and brush holder or similar article of manufacture. 139,717; Dec. 12.
Williams, William G., Anaheim, Calif. Tie rack. 139,718; Dec. 12.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 12TH DAY OF DECEMBER, 1944

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Adhere, Incorporated. (See Dreher, Donald F., assignor.)
Adler, Charles, Jr., Baltimore, Md. Signal. 2,365,038; Dec. 12.
Aero Supply Mfg. Co. Inc. (See Downey, George T., assignor.)
Air Reduction Company. (See Tyrner, Joseph M., assignor.)
Aitcheson, Thomas G., Kenmore, assignor to Spencer Lens Company, Buffalo, N. Y. Securing optical elements. 2,364,768; Dec. 12.
Albach, Frank. (See Stafford, G. T., and Albach.)
Albright, Charles L. (See Kulberg, A. E., and Albright.)
Alien Property Custodian. (See Frasch, Jean.)
Alien Property Custodian. (See Michael, W., and Buettner.)
Alien Property Custodian. (See Vesely, Josef.)
Allied Chemical & Dye Corporation. (See Flett, Lawrence H., assignor.)
Allied Chemical & Dye Corporation. (See Zizinia, P. T., and McKenna, assignors.)
Allis-Chalmers Manufacturing Company. (See Jansson, Gustav E., assignor.)
Allis-Chalmers Manufacturing Company. (See Journeaux, Didier, assignor.)
Almquist, Ephraim J., Winona, Minn. Surface finish comparator. 2,364,609; Dec. 12.
Aluminum Company of America. (See Menking, Heinz, assignor.)
Amer, Donald F., Newcastle-on-Tyne, England. Electric circuit breaker of the gas-blast type. 2,365,134; Dec. 12.
Amer, Donald F., and W. H. Webb, Newcastle-on-Tyne, assignors to A. Reyrolle & Company Limited, Hebburn-on-Tyne, England. Alternating current electric circuit breaker of the gas-blast type. 2,365,131; Dec. 12.
Amer, Donald F., Newcastle-on-Tyne, and A. Rawling, Wallsend-on-Tyne, assignors to A. Reyrolle & Company Limited, Hebburn-on-Tyne, England. Electric circuit breaker of the gas-blast type. 2,365,132; Dec. 12.
Amer, Donald F., and W. H. Webb, Newcastle-on-Tyne, assignors to A. Reyrolle & Company Limited, Hebburn-on-Tyne, England. Electric circuit breaker of the gas-blast type. 2,365,133; Dec. 12.
American Aircraft Associates. (See Burrus, Paul B., assignor.)
American Car and Foundry Company. (See Sully, John, assignor.)
American Cyanamid Company. (See Jayne, D. W., Jr., Day, and Gieseke, assignors.)
American Cyanamid Company. (See Shurcliff, William A., assignor.)
American Felt Company. (See Boeddinghaus, Hugo, assignor.)
American Optical Company. (See Jarrett, Tracy C., assignor.)
American Optical Company. (See Joyce, William J., assignor.)
American Optical Company. (See Peck, W. F., and Gradisar, assignors.)
American Paper Bottle Company, The. (See Monroe, Charles Z., assignor.)
American Smelting and Refining Company. (See Beckes, Lloyd M., assignor.)
American Smelting and Refining Company. (See Lebedeff, Yurii E., assignor.)
American Smelting and Refining Company. (See Porter, Carroll B., assignor.)
American Thermometer Company. (See Eskin, Samuel G., assignor.)
Ancrum, Robert W., Stockton-on-Tees, England, assignor to Titan Company Incorporated, New York, N. Y. Manufacture of titanium pigments. 2,365,135; Dec. 12.
Anderson, Robert I. (See McGlone, J. J., and Anderson.)
Anderson, Walter A., Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Accounting machine. 2,364,769; Dec. 12.
Andresen, Kurt H., Bradford, Pa., assignor to Case, Pomeroy & Company, New York, N. Y. Treating oil wells. 2,365,039; Dec. 12.
Andrix, Frank H., Niskayuna, N. Y., assignor to General Electric Company. Dynamoelectric machine. 2,364,933; Dec. 12.
Archer, Doriane, Los Angeles, Calif. Hair curler. 2,364,596; Dec. 12.
Archer, Richard L., Bratenahl, assignor to The Mid-West Forge Company, Cleveland, Ohio. Making tapered sheet-metal blanks. 2,364,610; Dec. 12.
Arena, Ernest J., Hempstead, N. Y. Hand sextant. 2,364,770; Dec. 12.
Atwood, Harry N., assignor to Penokee Veneer Company, Mellen, Wis. Press. 2,364,597; Dec. 12.
Auer, László, South Orange, N. J., assignor to Interchemical Corporation, New York, N. Y. Coated flatting agent and making the same. 2,364,611; Dec. 12.
Aust, Robert J., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Making vibrators. 2,364,684; Dec. 12.
Automatic Electric Laboratories, Inc. (See Baker, George T., assignor.)
Automatic Electric Laboratories, Inc. (See Gillings, C., and Murray, assignors.)
Averill, William D., and A. L. Hamelberg, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Broaching machine. 2,365,040; Dec. 12.
Axelson Manufacturing Co. (See Mattingly, Harold W., assignor.)
Aycock, John A., Rock Hill, S. C., assignor to Rock Hill Printing & Finishing Company. Web slitting means and method. 2,364,888; Dec. 12.
B. B. Chemical Co. (See Morris, Thomas C., assignor.)
B. F. B. Engineers, Incorporated. (See Finch, Edgar L., assignor.)
Babcock & Wilcox Company, The. (See Hardgrove, Ralph M., assignor.)
Babson Bros. Co. (See Thomas, Chester A., assignor.)
Baker, George T., Liverpool, England, assignor, by mesne assignments, to Automatic Electric Laboratories, Inc. Telephone system. 2,364,685; Dec. 12.
Balcomb, Edward J., Stambaugh, Mich. Snowshoe harness. 2,365,041; Dec. 12.
Baldwin, Richard E., Thornton Heath, assignor to Powers Accounting Machines Limited, London, England. Calculating machine. 2,364,934; Dec. 12.
Bales, James E., assignor to Lyon Metal Products, Incorporated, Aurora, Ill. Hinge structure. 2,364,612; Dec. 12.
Balisteri, Joseph F., and K. H. O'Rear, Dallas, Tex. Aerating device for fish containers. 2,364,686; Dec. 12.
Ballard, Albert E., and L. E. Martinson, assignors to Eastman Kodak Company, Rochester, N. Y. Purification of lanthanum salts. 2,364,613; Dec. 12.
Balz, Emil H. (See Kassay, A. W., Balz, and Williams.)
Bandurski, Walter, Chicago, Ill. Air circulator. 2,364,935; Dec. 12.
Banker, John R., assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Vacuum tube voltmeter circuit. 2,364,687; Dec. 12.
Bany, Herman, Lansdowne, Pa., assignor to General Electric Company. Regulating system. 2,364,936; Dec. 12.
Bascom, Henry M., New York, N. Y., and F. A. Hubbard, Maplewood, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone signaling system. 2,364,771; Dec. 12.
Baughman, George W. (See Zane, W. F., and Baughman.)
Baumgart, Lester V. (See Peterson, E. C., and Baumgart.)
Baur, Hugo J., and T. E. Kulo, assignors, by mesne assignments, to City National Bank and Trust Company of Chicago, Chicago, Ill., as trustee. Signaling and indicating system. 2,364,937; Dec. 12.
Bausch & Lomb Optical Company. (See Harvey, J. E., and Perkins, assignors.)
Bausch & Lomb Optical Company. (See Jobe, F. W., and Trost, assignors.)
Bausch & Lomb Optical Company. (See Perkins, Willard T., assignor.)
Beard, Charles L., Lancaster, Pa. Angle shrinker. 2,364,938; Dec. 12.
Beatty, Joseph H., Anaheim, Calif. Raw-state preserving process and composition. 2,364,614; Dec. 12.
Beckes, Lloyd M., San Francisco, Calif., assignor to American Smelting and Refining Company, New York, N. Y. Mechanism for handling molten metal. 2,364,615; Dec. 12.
Beddow, Raymond R., Toledo, Ohio. Pickup device for airplanes. 2,364,598; Dec. 12.
Behm, Richard D., Vancouver, Wash., assignor to M and M Wood Working Company, Portland, Oreg. Concrete form material. 2,364,772; Dec. 12.
Behrens, Herman, Essex, N. Y. Boat anchor. 2,365,136; Dec. 12.
Bell Telephone Laboratories, Incorporated. (See Bascom, H. M., and Hubbard, assignors.)
Bell Telephone Laboratories, Incorporated. (See Korn, Franklin A., assignor.)
Bell Telephone Laboratories, Incorporated. (See Mallina, Rudolph E., assignor.)
Bendix Aviation Corporation. (See Noxon, Paul A., assignor.)
Benedict, Wayne L. (See Mattox, W. J., and Benedict.)

Benjamin, Harry S., Poughkeepsie, N. Y. Free service coin-controlled machine. 2,364,939; Dec. 12.

Berg, Martin, Brooklyn, N. Y. Ink blotter. 2,364,773; Dec. 12.

Best Foods, Inc., The. (See Borkowski, C. J., and Schille, assignors.)

Best Foods, Inc., The. (See Vahlteich, H. W., and Neal, assignors.)

Bies, Clarence C., Houston, Tex., assignor to Standard Oil Development Company. Gas analysis and combustion chamber therefor. 2,364,940; Dec. 12.

Blackmore, William, Cleveland Heights, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Oil conveying member for journal boxes. 2,365,042; Dec. 12.

Blair, Lyman C., Houston, Tex. Luminous discharge lamp especially for photographic enlargers and projectors. 2,364,889; Dec. 12.

Blank, Taalkeus A. (See Plummer, R. K., Hamlet, and Blank.)

Bliss, E. W., Company. (See Rode, F. J., and Hatch, assignors.)

Blood, Louis H., Covington, Ky., and H. Ernst, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Milling machine. 2,365,043; Dec. 12.

Blouin, Joseph P., Methuen, Mass. Filling stop motion for looms. 2,365,044; Dec. 12.

Blumenfeld, Max D. (See Eisenman, W., and Blumenfeld.)

Boeddinghaus, Hugo, Newburgh, assignor to American Felt Company, New York, N. Y. Bonding sheet material. 2,364,616; Dec. 12.

Bolser, Clark M., Cedar Rapids, Iowa. Repackable adjustable oil filter cartridge. 2,364,617; Dec. 12.

Borkowski, Casimer J., Chicago, and J. L. Schille, Berwyn, Ill., assignors, by mesne assignments, to The Best Foods, Inc., New York, N. Y. Preparation of hydrogenated glyceridic oil. 2,365,045; Dec. 12.

Bottomley, Frank, Barrington, R. I., assignor to Stevenson Engineering Corporation. Liquid seal. 2,365,046; Dec. 12.

Bousquet, Euclid W., Wilmington, and H. G. Guy, Newark, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Pest control. 2,365,047; Dec. 12.

Bovee, Joseph E., Seattle, Wash. Attachment for drills. 2,364,688; Dec. 12.

Bowen, John E., Grosse Ile, Mich., assignor to National Steel Corporation. Shelter. 2,364,941; Dec. 12.

Bowser, S. F., & Company. (See Harvuot, Frank B., assignor.)

Bowser, S. F., & Company. (See Pressler, Ralph B., assignor.)

Boyce, Leonard D., Maplewood, Mo., and I. C. McKechnie, Detroit; said McKechnie assignor to Chrysler Corporation, Highland Park, Mich., and said Boyce assignor to Carter Carburetor Corporation, St. Louis, Mo. Transmission control structure. 2,364,774; Dec. 12.

Bradt, Charles H., Groton, assignor to L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y. Duplicating machine. 2,364,942; Dec. 12.

Brandt, Francis L., Lynn, Mass., assignor to National Fireworks, Inc. Container. 2,364,943; Dec. 12.

Breuner, Wallace E. (See Crocker, E. O., and Breuner.)

Brice, Norman E., Millburn, N. J., assignor to The Permutit Company, New York, N. Y. Strainer system. 2,364,775; Dec. 12.

Briggs, Arthur J., Syracuse, assignor of one-half to W. L. Hinds, Fayetteville, N. Y. Machine for applying hood caps to bottles. 2,364,776; Dec. 12.

Briggs Manufacturing Company. (See Gernandt, Waldo G., assignor.)

Briggs Manufacturing Company. (See Ragsdale, Laverne B., assignor.)

British Celanese Limited. (See Finlayson, D., Greenwood, and Simpson, assignors.)

Brogdex Company. (See Burwick, L. W., Cothran, and Cunning, assignors.)

Brooks, Robert E., Maywood, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Assembling apparatus. 2,364,689; Dec. 12.

Brown, Charles S., Syracuse, N. Y. Machine gun. 2,364,944; Dec. 12.

Brown, Earl H., and F. X. Tartaron, Hibbing, Minn., assignors to Minerals Separation North American Corporation, New York, N. Y. Concentration of oxidized iron ore. 2,364,618; Dec. 12.

Brown, Earl H., and F. X. Tartaron, Hibbing, Minn., assignors to Minerals Separation North American Corporation, New York, N. Y. Concentration of oxidized iron ores. 2,364,777; Dec. 12.

Brown, Earl H., and F. X. Tartaron, Hibbing, Minn., assignors to Minerals Separation North American Corporation, New York, N. Y. Concentration of oxidized iron ore. 2,364,778; Dec. 12.

Brown Instrument Company, The. (See Smith, Edgar M., assignor.)

Bruner, Raymond A., Muncie, Ind., assignor to General Motors Corporation, Detroit, Mich. Box and handle therefor. 2,364,690; Dec. 12.

Bruno Patents Inc. (See Bruno, William A., assignor.)

Bruno, William A., New Hyde Park, assignor to the firm Bruno Patents Inc., Long Island City, N. Y. Connecting means for conductors of coaxial electrical transmission lines. 2,365,048; Dec. 12.

Bryant, Donald D., Huntington, W. Va. Buffer assembly. 2,364,945; Dec. 12.

Buchal, Werner, and H. E. Veit, Parkville, assignors to The Glenn L. Martin Company, Middle River, Md. Bomb release mechanism. 2,365,049; Dec. 12.

Budd Induction Heating, Inc. (See Somes, Howard E., assignor.)

Budd Wheel Company. (See Law, Hugh, assignor.)

Budd Wheel Company. (See Strickland, Harold A., Jr., assignor.)

Buettner, Adam. (See Michael, W., and Buettner.)

Bulova Watch Company. (See Lassieur, Eugene J., assignor.)

Burdick-Baron Company. (See Wirtz, Fred, assignor.)

Burrus, Paul B., assignor to American Aircraft Associates, Dayton, Ohio. Attaching means. 2,364,599; Dec. 12.

Burwick, Lloyd W., McAllen, Tex., C. D. Cothran, Pomona, and T. G. Cunning, Upland, assignors to Brogdex Company, Pomona, Calif. Preparation of fresh fruit for market. 2,364,946; Dec. 12.

Bushko, George, Eynon, Pa. Garment hanger. 2,364,619; Dec. 12.

Byler, Raymond E. (See Mills, L. D., Crowe, and Byler.)

Byrkit, Gordon D. (See Davis, L. L., Lincoln, and Byrkit.)

Cadwallader, Clyde T., assignor to Dorothy Cadwallader, Kenmore, N. Y. Loose leaf binder. 2,364,890; Dec. 12.

Cadwallader, Dorothy. (See Cadwallader, Clyde T., assignor.)

Cagney-Storer, Inc. (See Cagney, Warren O., assignor.)

Cagney, Warren O., Garden City, assignor to Cagney-Storer, Inc., New York, N. Y. Making shoes soles. 2,364,691; Dec. 12.

California Trust Company, executor. (See Pratley, Henry H.)

Canadian International Paper Company. (See Daley, Stewart N., assignor.)

Carrier Corporation et al. (See Goddard, M. B., and Oeler, assignors.)

Carter Carburetor Corporation, et al. (See (Boyce, L. D., assignor), and McKechnie.)

Case, Pomeroy & Company. (See Andresen, Kurt H., assignor.)

Cassel, Norman S., Ridgewood, N. J., assignor to Interchemical Corporation, New York, N. Y. Textile printing emulsions. 2,364,692; Dec. 12.

Celanese Corporation of America. (See Hivick, C. L., and McLuckie, assignors.)

Cetrule, John, West Orange, N. J. Hobbing machine. 2,364,694; Dec. 12.

Chadder, William J., assignor to Woodall-Duckham (1920) Limited, Guilford, England. Separation of liquids of different boiling points from mixtures thereof by fractional distillation. 2,365,050; Dec. 12.

Chadder, William J., assignor to Woodall-Duckham (1920) Limited, Guilford, England. Separation of liquids of different boiling points from mixtures thereof by fractional distillation. 2,365,051; Dec. 12.

Chamberlain, Leonard C., assignor to The Dow Chemical Company, Midland, Mich. Well treating apparatus. 2,365,052; Dec. 12.

Champion Paper and Fibre Company, The. (See Murdock, Harold R., assignor.)

Cherry, Carl W., Carmel, and A. S. Mullgardt, Altadena, Calif.; said Mullgardt assignor to said Cherry. Rivet making apparatus. 2,364,693; Dec. 12.

Chouinard, Alfred F. (See Mott, C., and Chouinard.)

Chouinard, Alfred F. (See Mott, C., Chouinard, and Harding.)

Christman, John M., assignor to Packard Motor Car Company, Detroit, Mich. Apparatus for crowning gear teeth. 2,364,947; Dec. 12.

Chrysler Corporation et al. (See Boyce, L. D., and (McKechnie, assignor).)

Church, Walter L., Houston, Tex. Well pump. 2,364,600; Dec. 12.

Churchill, Leonard R., Bayonne, N. J., J. E. Schott, New York, N. Y., and S. P. Waugh, Bayonne, N. J., assignors, by mesne assignments, of three-fourths to Tide Water Associated Oil Company, New York, N. Y. Chlorinating mineral oil. 2,365,053; Dec. 12.

Ciba Products Corporation. (See Landolt, A., and Ruperti, assignors.)

Cincinnati Milling Machine Co., The. (See Averill, W. D., and Hamelberg, assignors.)

Cincinnati Milling Machine Co., The. (See Blood, L. H., and Ernst, assignors.)

Cincinnati Milling Machine Co., The. (See Decker, Jacob, assignor.)

Cincinnati Milling Machine Co., The. (See Hassman, Fred A., assignor.)

Cincinnati Milling Machine Co., The. (See Hoier, Walter, assignor.)

City National Bank and Trust Company, trustee. (See Baur, H. J., and Kulo, assignors.)

Clark, Malcom S., Warren, Ohio, assignor to The Federal Machine and Welder Company. Apparatus for welding. 2,365,148; Dec. 12.

Clark, William A., assignor to L. A. Young Spring & Wire Corporation, Detroit, Mich. Spring assembly for back cushions. 2,364,948; Dec. 12.

Clayton, Clifford C., Milwaukee, Wis. Pipe wrench. 2,365,054; Dec. 12.

Cold Control, Inc. (See Sisson, William A., assignor.)

Cole, Edward R., assignor to The Dow Chemical Company, Midland, Mich. Preparation of shaped carbon articles. 2,365,055; Dec. 12.

Coleman, Arnold B., Chicago, Ill. Background screen for photographers and the like. 2,364,695; Dec. 12.

Coleman, Gerald H., and G. A. Griess, assignors to The Dow Chemical Company, Midland, Mich. Insecticidal and fungicidal materials. 2,365,056; Dec. 12.

Coleman, Gerald H., and G. A. Griess, assignors to The Dow Chemical Company, Midland, Mich. Fungicidal materials. 2,365,057; Dec. 12.

Coleman Lamp and Stove Company, The. (See Martin, Russell, assignor.)

Coleman Lamp and Stove Company, The. (See Olds, Ambrose D., assignor.)

Collins & Aikman Corporation. (See Hiers, Glen S., assignor.)

Colvin, Hervey A., Saginaw, Mich. Adjustable turntable for discharging wood waste or like material from storage vaults. 2,364,601; Dec. 12.

Comer, Curtis G., Dayton, and B. A. Keener, New Lebanon, Ohio. Transfer unit. 2,364,602; Dec. 12.

Connolly, Gerald C., Baton Rouge, La., asignor to Standard Oil Development Company. Conversion of hydrocarbon oils. 2,364,949; Dec. 12.

Continental Can Company. (See O'Brien, Frank J., assignor.)

Continental Can Company. (See Schrader, H., and Gordon, assignors.)

Cook, James M., La Grange, assignor to Cribben and Sexton Company, Chicago, Ill. Range frame. 2,364,950; Dec. 12.

Cooper, Ellis S. (See Cooper, Ellis W., assignor.)

Cooper, Ellis W., assignor of one-half to E. S. Cooper, Los Angeles, Calif. Film rack. 2,364,891; Dec. 12.

Corn Products Refining Company. (See James, Albert L., assignor.)

Cornish, Irving R. (See Paxton, J. W. and G. N., and Cornish.)

Corte, Alfred, Glendale, Calif., assignor, by mesne assignments, to Lockheed Aircraft Corporation. Gun turret mounting. 2,364,951; Dec. 12.

Cossor, A. C., Limited. (See Strafford, Frederick R. W., assignor.)

Cothran, Charles D. (See Burwick, L. W., Cothran, and Cunning.)

Coxon George E., Cicero, and W. H. Farr, assignors to Stewart-Warner Corporation, Chicago, Ill. Electric windshield wiper. 2,364,603; Dec. 12.

Crawford, Millard F., Jackson, La. Section lined pump shell for dredging. 2,365,058; Dec. 12.

Creager, Chester F., York, Pa. Table. 2,364,604; Dec. 12.

Creed and Company Limited. (See Mason, Frederick P., assignor.)

Cribben and Sexton Company. (See Cook, James M., assignor.)

Crocker, Ernest O., Washington, D. C., and W. E. Breuner, Oakland, Calif. Safety ski binding. 2,364,620; Dec. 12.

Crom, John M., Washington, D. C. Method of and apparatus for banding tanks. 2,364,696; Dec. 12.

Crompton & Knowles Loom Works. (See Darwin, Clifford, assignor.)

Crompton & Knowles Loom Works. (See Fletcher, N., and Robb, assignors.)

Crompton & Knowles Loom Works. (See Jennings, Victor H., assignor.)

Crompton & Knowles Loom Works. (See Jennings, V. H., and Wakefield, assignors.)

Crompton & Knowles Loom Works. (See Robb, Walter Y., assignor.)

Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Diversity receiving system. 2,364,952; Dec. 12.

Crosley Corporation, The. (See Lane, G. M., and Mackey, assignors.)

Cross, Roy, W. B. Phillips, and W. M. Cross, Jr., assignors to Kansas City Testing Laboratory, Kansas City, Mo. Water sealing sheet. 2,364,621; Dec. 12.

Cross, Walter M., Jr. (See Cross, R., Phillips, and Cross.)

Crowe, Thomas B. (See Mills, L. D., Crowe, and Byler.)

Cunning, Thomas G. (See Burwick, L. W., Cothran, and Cunning.)

Curtis Pump Company. (See Curtis, Russell R., assignor.)

Curtis, Russell R., assignor to Curtis Pump Company, Dayton, Ohio. Fuel system. 2,364,605; Dec. 12.

Daley, Stewart N., assignor to Canadian International Paper Company, Montreal, Quebec, Canada. Core cap. 2,364,953; Dec. 12.

Daniels, Lee G., Rockford, Ill. Valve. 2,364,697; Dec. 12.

Darwin, Clifford, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft replenishing loom. 2,364,954; Dec. 12.

Davin, John, Chicago, Ill. Heating apparatus. 2,364,698; Dec. 12.

Davis, Lloyd L., B. H. Lincoln, and G. D. Byrkit, Ponca City, Okla., assignors, by mesne assignments, to The Lubri-Zol Development Corporation, Cleveland, Ohio. Lubricating oils. 2,364,622; Dec. 12.

Davis & Thompson Company. (See Weimer, William H., assignor.)

Davis, Wells L. (See Dreese, E. E., Evans, and Davis.)

Day, Harold M. (See Jayne, D. W., Jr., Day, and Gieskeke.)

Decker, Jacob, assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Feed mechanism for grinding machines. 2,365,059; Dec. 12.

Deere & Company. (See Drennan, Orville F., assignor.)

De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Subresinous acylated polyamine. 2,364,779; Dec. 12.

De Lisle, Harry, deceased. (See Nash, James.)

Delman, Herman B. (See Sutcliffe, Harry L., assignor.)

Delta Nozzle Corp. (See Lewis, John O., assignor.)

Denneen, Francis S., Cleveland, and W. C. Dunn, Shaker Heights, assignors to The Ohio Crankshaft Company, Cleveland, Ohio. Heat-treating gear and the like. 2,364,623; Dec. 12.

Dennison Manufacturing Company. (See Stillwell, Charles W., assignor.)

De Vack, Harry A., San Jose, and O. T. Evans, Santa Clara, Calif. Auxiliary reservoir bleeder. 2,364,606; Dec. 12.

De Walt, Alice F., administratrix. (See De Walt, Charles E.)

De Walt, Charles E., deceased, Canonsburg, by A. F. De Walt, administratrix, Pittsburgh, Pa., assignor of ten per cent to J. M. Gura, Struthers, Ohio. Sheet pack opening mechanism. 2,364,780; Dec. 12.

De Wolfe, Clarence M., Somerville, Mass., assignor to The B. F. Goodrich Company, New York, N. Y. Attachment for heel-nailing machines. 2,365,060; Dec. 12.

Diamond Alkali Company. (See Vose, Gardner W., assignor.)

Diddel, William H., Indianapolis, Ind. Golf ball. 2,364,955; Dec. 12.

Di Rubbio, Antonio, Brooklyn, N. Y. Cigarette holder. 2,365,061; Dec. 12.

Di Vozzi, Vincent N., Newport, R. I. Airplane. 2,364,956; Dec. 12.

Dodge, Adiel Y., Rockford, Ill. Combined one-way clutch and bearing. 2,365,062; Dec. 12.

Douglas, Norvel, New Rochelle, N. Y., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Electrical surveying. 2,364,957; Dec. 12.

Dow Chemical Company, The. (See Chamberlain, Leonard C., assignor.)

Dow Chemical Company, The. (See Cole, Edward R., assignor.)

Dow Chemical Company, The. (See Coleman, G. H., and Griess, assignors.)

Downey, George T., assignor to Aero Supply Mfg. Co. Inc., Corry, Pa. Bellows for valve structures. 2,365,063; Dec. 12.

Dreese, Erwin E., S. O. Evans, and W. L. Davis, assignors to The Ohio State University Research Foundation, Columbus, Ohio. Switch. 2,365,064; Dec. 12.

Dreher, Donald F., Alhambra, Calif., assignor to Adhere, Incorporated. Adhesive label, tag, and the like. 2,364,607; Dec. 12.

Drennan, Orville F., assignor to Deere & Company, Moline, Ill. Planter. 2,364,958; Dec. 12.

Dugan, Evelyn R. (See Dugan, Joseph, assignor.)

Dugan, Joseph, assignor of one-half to E. R. Dugan, Los Angeles, Calif. Radio controlled steering system. 2,364,624; Dec. 12.

Dugan, Joseph, assignor of one-half to E. R. Dugan, Los Angeles, Calif. Radio controlled navigational system. 2,364,625; Dec. 12.

Du Mont, Allen B., Laboratories, Inc. (See Banker, John R., assignor.)

Dunn, Albert, and O. C. Eiland, Mount Rainier, Md. Shaft coupling. 2,364,959; Dec. 12.

Dunn, Maude, Birmingham, Ala. Sink strainer. 2,364,960; Dec. 12.

Dunn, William C. (See Denneen, F. S., and Dunn.)

Du Pont, E. I., de Nemours & Company. (See Bousquet, E. W., and Guy, assignors.)

Du Pont, E. I., de Nemours & Company. (See Hemming, Charles B., assignor.)

Du Pont, E. I., de Nemours & Company. (See Laughlin, H. G., and Risser, assignors.)

Du Pont, E. I., de Nemours & Company. (See Leskin, Morton B., assignor.)

Du Pont, E. I., de Nemours & Company. (See McGrew, Frank C., assignor.)

Du Pont, E. I., de Nemours & Company. (See Youker, Mortimer A., assignor.)

Durham, Clyde, Schenectady, N. Y., assignor to General Electric Company. Construction for heat-transfer reduction. 2,364,961; Dec. 12.

Durinski, Arthur M. (See Schmerling, L., and Durinski.)

Duzzel Corporation. (See Handy, James O., assignor.)

Eagles, Horace W., Erie, Pa., assignor to General Electric Company. Joining hollow thermoplastic articles. 2,364,962; Dec. 12.

Eastman Kodak Company. (See Ballard, A. E., and Martinson, assignors.)

Eastman Kodak Company. (See Vittum, P. W., Peterson, and Porter, assignors.)

Eastman, Nathaniel, assignor to Futura Amusement Corporation, New York, N. Y. Amusement or instruction device. 2,364,699; Dec. 12.

Eastman Oil Well Survey Company, et al. (See Miller, Leonidas C., assignor.)

Edwards, George H., New York, N. Y., assignor to Benjamin Hulsh, Chicago, Ill. Cleaning compositions for rugs, upholstery, furs, and the like. 2,364,608; Dec. 12.

Eiland, Odus C. (See Dunn, A., and Eiland.)

Eisenman, William, and M. D. Blumenfeld, New York, N. Y., assignors, by mesne assignments, to Heyden Chemical Corporation. Production of citric acid by fermentation. 2,364,701; Dec. 12.

Electric Storage Battery Company, The. (See Gray, Robin, assignor.)

Elgin, Joseph C., Princeton, N. J., assignor to Research Corporation, New York, N. Y. Extraction column. 2,364,892; Dec. 12.

Elliott, Bernard Y., assignor to H. C. Price Company, Bartlesville, Okla. Pipe bevelling machine. 2,364,963; Dec. 12.

Ellis-Foster Company. (See Hessel, F. A., and Rust, assignors.)

Emerson, John H., Cambridge, Mass. Resuscitator. 2,364,626; Dec. 12.

Emery, William M., Shaker Heights, Ohio. Multiple container. 2,365,143; Dec. 12.

Endress, Frederick A., assignor, by mesne assignments, to Tuff-Hard Corporation, Detroit, Mich. Heat treating steel. 2,364,893; Dec. 12.

Engineering Sales Company. (See Nash, James, assignor.)

Eplett, Albert D., Bridgeport, Conn., assignor to Manning, Maxwell & Moore, Incorporated, New York, N. Y. Safety valve. 2,364,700; Dec. 12.

Erickson, Arthur E. (See Weijlard, J., and Erickson.)

Erickson, Helmer E. (See Talboys, H. H., and Erickson.)

Ericsson, Elov, St. Paul, Minn. Piston sealing device. 2,364,781; Dec. 12.

Ernst, Hans. (See Blood, L. H., and Ernst.)

Eskin, Samuel G., Pittsburgh, Pa., assignor to American Thermometer Company, St. Louis, Mo. Thermometer. 2,364,841; Dec. 12.

Evans, Orvall T. (See De Vack, H. A., and Evans.)

Evans, Sidley O. (See Dreese, E. E., Evans, and Davis.)

Fant, Richard B. (See Grimes, David W., assignor.)

Farr, Willard H. (See Coxon, G. E., and Farr.)

Fassin, Gustave, Grosse Pointe, assignor to International Industries, Inc., Ann Arbor, Mich. Rotary slide carrier. 2,364,627; Dec. 12.

Federal Machine and Welder Company, The. (See Clark, Malcolm S., assignor.)

Federal Telephone and Radio Corporation. (See Miller, A. J., and Taylor, assignors.)

Feigelson, Julius Z., Beaumont, Tex. Vehicle construction. 2,364,842; Dec. 12.

Finch, Edgar L., Glendale, Calif., assignor to B. F. B. Engineers, Incorporated. Lubricating apparatus. 2,364,894; Dec. 12.

Finlayson, Donald, E. L. Greenwood, and W. J. Simpson, Spondon, near Derby, assignors to British Celanese Limited, London, England. Electrical conductor. 2,364,702; Dec. 12.

Finn, John R. (See Stamy, D. R., Fisher, and Finn.)

Fischer, Earl K. (See Marberg, C. M., and Fischer.)

Fisher, Charles E. (See Stamy, D. R., and Fisher.)

Fisher, Charles E. (See Stamy, D. R., Fisher, and Finn.)

Fletcher, Norman, Worcester, and W. Y. Robb, Whitinsville, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Brake for Axminster loom pull-over shafts. 2,364,703; Dec. 12.

Flett, Lawrence H., Hamburg, N. Y., assignor to Allied Chemical & Dye Corporation. Manufacture of organic sulphonates. 2,364,782; Dec. 12.

Ford Motor Company. (See Roeder, D., and Wright, assignors.)

Frankel, Max, Brookline, and I. Zatsky, assignors to Frankel & Smith, Inc., Boston, Mass. Hair curler. 2,364,895; Dec. 12.

Frankel & Smith, Inc. (See Frankel, M., and Zatsky, assignors.)

Frankenfield, Titus E., assignor to Schwitzer-Cummins Company, Indianapolis, Ind. Fluid sealing device. 2,365,065; Dec. 12.

Franz, Erwin E., Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Cleaning apparatus. 2,364,704; Dec. 12.

Frasch, Jean, Clichy, France; vested in the Alien Property Custodian. Protecting articles made of light metals. 2,364,964; Dec. 12.

Frazer, Guy W., Topeka, Kans. Combination display and liquid perfume or deodorant indicator. 2,364,843; Dec. 12.

Fuller, Grady C., Houston, Tex. Guard for ships and the like. 2,365,066; Dec. 12.

Fuog, Harry L., Los Angeles, Calif. Aniseikonia determining and measuring device. 2,364,844; Dec. 12.

Futra Amusement Corporation. (See Eastman, Nathaniel, assignor.)

G. M. S. Corporation. (See Sloan, Theodore H., assignor.)

Garlinghouse, Leslie H., Los Angeles, Calif. Securing member for rope and cable. 2,364,628; Dec. 12.

Gauld, John, assignor to Vickers Incorporated, Detroit, Mich. Power transmission. 2,365,067; Dec. 12.

General Electric Company. (See Andrix, Frank H., assignor.)

General Electric Company. (See Bany, Herman, assignor.)

General Electric Company. (See Durham, Clyde, assignor.)

General Electric Company. (See Eagles, Horace W., assignor.)

General Electric Company. (See Harlow, Winton G., assignor.)

General Electric Company. (See Mueller, Adolf G., assignor.)

General Electric Company. (See Palmer, H. L., and Schneider, assignors.)

General Electric Company. (See Stebbins, Frederick O., assignor.)

General Electric Company. (See Stewart, Howard J., assignor.)

General Electric Company. (See Traver, O. C., and McConnell, assignors.)

General Electric Company Limited, The. (See Harrison, C. P., and Saunders, assignors.)

General Motors Corporation. (See Bruner, Raymond A., assignor.)

General Motors Corporation. (See Moule, Rex E., assignor.)

Georgi, Edmund A., assignor to Hercules Powder Company, Wilmington, Del. Dry rosin size. 2,364,965; Dec. 12.

Geralds, Jerry, assignor to Mid-West Wire Products Company, Inc., Detroit, Mich. Basket structure. 2,364,705; Dec. 12.

Gerbig, Sidney A., Faribault, Minn. Connecting rod regrinding machine. 2,365,068; Dec. 12.

Gernandt, Waldo G., assignor to Briggs Manufacturing Company, Detroit, Mich. Engine. 2,364,629; Dec. 12.

Gieseke, Elmer W. (See Jayne, D. W., Jr., Day, and Gieseke.)

Gilligan, Carl W., East Longmeadow, Mass. Assembly tool. 2,364,630; Dec. 12.

Gillings, Charles, and L. J. Murray, Liverpool, England, assignors, by mesne assignments, to Automatic Electric Laboratories, Inc., Chicago, Ill. Crossbar switch. 2,364,706; Dec. 12.

Gladstone, Benjamin, Lynn, Mass. Spring for beds and mattresses. 2,364,966; Dec. 12.

Glen, William R., Vancouver, British Columbia, Canada. Pneumatic flotation and antidrag system. 2,364,845; Dec. 12.

Glover, William H., Newark, N. J. Daylight lamp. 2,364,707; Dec. 12.

Goddard, Merrill B., and R. C. Oeler, Chicago, Ill., assignors of one-half to Carrier Corporation, Syracuse, N. Y., and one-half to The Liquid Carbonic Corporation, Chicago, Ill. Oil return arrangement. 2,364,783; Dec. 12.

Gomberg, Jacob, assignor to R. Gomberg, Chicago, Ill. Yarn winding and holding device. 2,364,967; Dec. 12.

Gomberg, Rose. (See Gomberg, Jacob, assignor.)

Goodrich, B. F., Company, The. (See De Wolfe, Clarence M., assignor.)

Goodrich, B. F., Company, The. (See Olson, Frederick F., assignor.)

Gordon, Bruce B. (See Schrader, H., and Gordon.)

Gore, Albert J., Washington, D. C. Adjustable link. 2,364,968; Dec. 12.

Gouldbourn, Joseph, Leicester, England, assignor to United Shoe Machinery Corporation, Flemington, N. J. Grading machine. 2,364,708; Dec. 12.

Gradisar, Albin A. (See Peck, W. F., and Gradisar.)

Gray, Robin, Clifton Junction, near Manchester, England, assignor to The Electric Storage Battery Company, Philadelphia, Pa. Electric accumulator. 2,364,896; Dec. 12.

Greenwood, Ernest L. (See Finlayson, D., Greenwood, and Simpson.)

Greer, Edward M., West Hampstead, Long Island, N. Y. Portable hydraulic test stand for aircraft. 2,364,709; Dec. 12.

Greneker, Lillian L., New York, N. Y. Destructible form. 2,364,710; Dec. 12.

Griess, Gerald A. (See Coleman, G. H., and Griess.)

Griffith, Raymond C. (See Vickers, H. F., and Griffith.)

Grigsby, William M., Richmond, Va. Hoist grapple. 2,364,897; Dec. 12.

Grimes, David W., New York, N. Y., assignor to R. B. Fant. Metalworking machine. 2,364,631; Dec. 12.

Grimes, Oscar D., Sr., Athens, Ga. Cord stretch eliminator. 2,365,069; Dec. 12.

Grob, Benjamin and T., Grafton, Wis. Work feed. 2,364,969; Dec. 12.

Grob, Theodore. (See Grob, Benjamin and T.)

Grow, Paul E., Muncie, Ind. Parallel appliance. 2,364,784; Dec. 12.

Guerrero, Diego, Brooklyn, N. Y. Railroad safety device. 2,364,785; Dec. 12.

Guest, James J., Bromley Common, England. Balancing machine. 2,365,070; Dec. 12.

Gulf Research & Development Company. (See Ritzmann, Otto F., assignor.)

Gumb, Daniel E., Milwaukee, Wis. Waddling duck. 2,365,071; Dec. 12.

Gura, John M. (See De Walt, C. E., assignor.)

Gutmann, Ferdinand, & Co. (See Rasmussen, Charles H., assignor.)

Guy, Hubert G. (See Bousquet, E. W., and Guy.)

Gwynn, Marion H., Mountain Lakes, N. J. Catalyst production. 2,364,970; Dec. 12.

H & B American Machine Company. (See Roddy, Fred M., assignor.)

Hageline, Emil E., assignor to The Lathrop-Paulson Company, Chicago, Ill. Can treating apparatus. 2,364,971; Dec. 12.

Hagner, Frederick H., San Antonio, Tex. Sand timing instrument. 2,365,072; Dec. 12.

Haight, Norman L., Glen Ridge, N. J., assignor of one-half to H. D. Mallison, Philadelphia, Pa. Indicating horsepower and horsepower factors. 2,365,073; Dec. 12.

Hakanson, Axel H., Worcester, assignor to United States Envelope Company, Springfield, Mass. Envelope. 2,364,711; Dec. 12.

Hall, Harvey H., Denver, Colo. Advertising display device. 2,364,786; Dec. 12.

Hamelberg, August L. (See Averill, W. D., and Hamelberg.)

Hamlet, Leon M. (See Plummer, R. K., Hamlet, and Blank.)

Hammond, Laurens, Chicago, Ill. Bank and turn indicator. 2,364,972; Dec. 12.

Handy, James O., Orlando, Fla., assignor to Duzzel Corporation, Dover, Del. Wax emulsions. 2,364,632; Dec. 12.

Hansen, William O., Caracas, Venezuela. Tapping knife. 2,364,973; Dec. 12.

Hardgrove, Ralph M., Westfield, assignor to The Babcock & Wilcox Company, Newark, N. J. Distributor. 2,364,633; Dec. 12.

Harding, Robert L. (See Mott, C., Chouinard, and Harding.)

Harlow, Winton G., Upper Darby, Pa., assignor to General Electric Company. Switchgear. 2,364,974; Dec. 12.

Harris & Tyler Limited. (See Tyler, Ivor C., assignor.)

Harrison, Clement P., Mill Hill, London, and C. W. Saunders, Bramley, assignors to The General Electric Company Limited, Kingsway, London, England. Means for saving life. 2,364,787; Dec. 12.

Harrison, Elmer P., and O. A. Hunt, Oklahoma City, Okla.; said Hunt assignor to said Harrison. Mangle. 2,364,634; Dec. 12.

Hartford-Empire Company. (See Mongan, Charles E., Jr., assignor.)

Hartman, Richard A., assignor to Tinnerman Products Inc., Cleveland, Ohio. Fastening device. 2,364,846; Dec. 12.

Harvel Research Corporation. (See Harvey, Mortimer T., assignor.)

Harvey, James E., Rochester, and W. T. Perkins, Irondequoit, assignors to Bausch & Lomb Optical Company, Rochester, N. Y. Slide changing device; 2,364,788; Dec. 12.

Harvey, Mortimer T., East Orange, N. J., assignor to Harvel Research Corporation. Condensation products of phenols and phenolic ethers, and preparing the same. 2,364,712; Dec. 12.

Harvuot, Frank B., assignor to S. F. Bowser & Company, Incorporated, Fort Wayne, Ind. Strainer. 2,365,074; Dec. 12.

Hasler, Robert H., Old Westbury, N. Y. Propeller blade. 2,364,635; Dec. 12.

Hassler, Gerald L., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Analysis method for geochemical exploration. 2,364,898; Dec. 12.

Hassman, Fred A., assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Milling machine. 2,365,075; Dec. 12.

Hatch, Meredith R. (See Rode, F. J., and Hatch.)

Hatton, Mabel H., Beverly Hills, Calif. Brassière. 2,364,899; Dec. 12.

Haywood, Frederick W., assignor to Wild-Barfield Electric Furnaces Limited, Watford, England. Estimation of a constituent in a fluid. 2,364,789; Dec. 12.

Haywood, Thomas W., Jr., Warrenton, N. C. Illuminated sign. 2,365,076; Dec. 12.

Heigl, John J., and L. R. Hodell, Tulsa, Okla., assignors to Standard Oil Development Company. Determining permeability of geologic structures. 2,364,975; Dec. 12.

Heller, Max, London, England. Degreasing apparatus. 2,364,976; Dec. 12.

Hemming, Charles B., Parlin, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Treatment of organic dielectric materials with high-frequency electric current. 2,364,790; Dec. 12.

Hendel, William H., Minneapolis, Minn. Machine tool. 2,364,977; Dec. 12.

Hensel, Franz R., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Bearing. 2,364,713; Dec. 12.

Henze, Otto C. W. (See Pollock, R. T., and Henze.)

Hercules Powder Company. (See Georgi, Edmund A., assignor.)

Hercules Powder Company. (See Spurlin, Harold M., assignor.)

Hercules Powder Co. (See Traylor, William N., assignor.)

Hertzler, Ralph S., Elverson, and O. K. Umble, Atglen, Pa. Potato harvesting machine. 2,365,077; Dec. 12.

Hessel, Frederick A., Upper Montclair, and J. B. Rust, Verona, N. J., assignor to Ellis-Foster Company. Acetone resin compositions and making same. 2,364,900; Dec. 12.

Heyden Chemical Corporation. (See Eisenman, W., and Blumenfeld, assignors.)

Hicks, Albertson, St. Petersburg, assignor to one-half to J. D. Mitchell, Newport, Fla. Counterbalance. 2,364,901; Dec. 12.

Hiers, Glen S., Bala-Cynwyd, assignor to Collins & Aikman Corporation, Philadelphia, Pa. Rubber cement for flocked fabrics. 2,364,847; Dec. 12.

Hinds, William L. (See Briggs, Arthur J., assignor.)

Hivick, Charles L., Cressaptown, and G. L. McLuckie, Frostburg, Md., assignors to Celanese Corporation of America. Yarn winding. 2,364,714; Dec. 12.

Hodell, Louis R. (See Heigl, J. J., and Hodell.)

Hoier, Walter, assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Rotary table attachment for milling machines. 2,365,078; Dec. 12.

Home Heaters, Inc. (See Peterson, E. C., and Baumgart, assignors.)

Hoover Company, The. (See Smellie, Donald G., assignor.)

Horne, William O., Chicago, Ill., assignor to Rheem Manufacturing Company, Richmond, Calif. Water heater. 2,364,791; Dec. 12.

Horrocks-Ibbotson Co. (See Ibbotson, E. D., and Schmidt, assignors.)

Horton, Erwin C., Hamburg, and A. Rappl, assignors to Trico Products Corporation, Buffalo, N. Y. Fluid motor. 2,364,715; Dec. 12.

Howard, Stanley R., Milton, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Weighing machine. 2,364,902; Dec. 12.

Howard, Stanley R., Milton, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Bag for infusing material. 2,364,903; Dec. 12.

Hubbard, Francis A. (See Bascom, H. M., and Hubbard.)

Huber, John J., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Work holding apparatus. 2,365,079; Dec. 12.

Huebner, Ernest W., and L. E. Peterson, assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind. Protective system for heading machines. 2,364,716; Dec. 12.

Hulsh, Benjamin. (See Edwards, George H., assignor.)

Humphreys, Marion W., Euclid, assignor to The Ohio Rubber Company, Willoughby, Ohio. Droppable gasoline tank. 2,365,080; Dec. 12.

Hunt, Orville A. (See Harrison, E. P., and Hunt.)

Hunter, William L., assignor to Northern Equipment Company, Erie, Pa. Feed water regulating apparatus for boilers. 2,365,081; Dec. 12.

Hurst, Gordon F., San Jose, Calif. Fog nozzle. 2,364,848; Dec. 12.

Huss, Henry. (See Huss, John H., assignor.)

Huss, John H., New York, assignor to H. Huss, Port Chester, N. Y. Fuel atomizing device. 2,364,717; Dec. 12.

Ibbott, Harold W., assignor to Negretti & Zambra, London, England. Automatic control of variable physical conditions. 2,364,718; Dec. 12.

Ibbotson, Edward D., and E. Schmidt, assignors to Horrocks-Ibbotson Co., Utica, N. Y. Making fishing rods. 2,364,849; Dec. 12.

Industrial Home for the Blind, The. (See Lipstock, Alexander J., assignor.)

Industrial Rayon Corporation. (See Mothwurf, Arthur F. F., assignor.)

Ingersoll-Rand Company. (See Jimerson, Francis A., assignor.)

Ingersoll-Rand Company. (See Wickens, Edward F., assignor.)

Interchemical Corporation. (See Auer, László, assignor.)

Interchemical Corporation. (See Cassel, Norman S., assignor.)

Interchemical Corporation. (See Marberg, C. M., and Fischer, assignors.)

International Industries, Inc. (See Fassin, Gustave, assignor.)

International Plastic Corporation. (See Schieman, Gustave, assignor.)

James, Albert L., Tenafly, N. J., assignor to Corn Products Refining Company, New York, N. Y. Production of zein coating. 2,364,792; Dec. 12.

Jansson, Gustav E., North Quincy, Mass., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Electric circuit breaker. 2,365,082; Dec. 12.

Jarrett, Tracy C., assignor to American Optical Company, Southbridge, Mass. Gold-filled wire. 2,365,083; Dec. 12.

Jayne, David W., Jr., Old Greenwich, H. M. Day, Cos Cob, and E. W. Gieseke, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Beneficiation of acidic minerals. 2,365,084; Dec. 12.

Jenkins, Russell L., Anniston, Ala., assignor to Monsanto Chemical Company, St. Louis, Mo. Hydrogenated liquid hydrocarbons. 2,364,719; Dec. 12.

Jennings, Victor H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Bobbin selector mechanism for weft replenishing looms. 2,364,978; Dec. 12.

Jennings, Victor H., and W. H. Wakefield, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Bobbin stack selector. 2,364,979; Dec. 12.

Jimerson, Francis A., Athens, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Safety device. 2,364,980; Dec. 12.

Jobe, Frederick W., Brighton, and H. W. Trost, assignors to Bausch & Lomb Optical Company, Rochester, N. Y. Eye testing apparatus. 2,364,793; Dec. 12.

Johansen, Harry C., Michigan City, Ind., assignor to Sullivan Machinery Company. Rotary drilling apparatus. 2,364,850; Dec. 12.

Johansen, Harry C., Michigan City, Ind., assignor to Sullivan Machinery Company. Collapsible support. 2,364,851; Dec. 12.

Johndrew, Wilbur. (See Speller, Thomas H., assignor.)

Johnson, Frank E., Malden, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Nut installation for blind fastenings. 2,365,137; Dec. 12.

Jones, Joseph W., New York, N. Y. Range estimating trainer. 2,364,720; Dec. 12.

Journeaux, Didier, Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Electric circuit breaker and operating the same. 2,364,981; Dec. 12.

Joyce, William J., assignor to American Optical Company, Southbridge, Mass. Breaking laminated articles. 2,365,085; Dec. 12.

Junkmann, Karl, Berlin, and R. Tschesche, Berlin-Wilmersdof, Germany, assignors to Schering Corporation, Bloomfield, N. J. Isolating the lactation-promoting hormone. 2,364,852; Dec. 12.

Kalin, Albert, Cleveland, Ohio. Governor and power take-off unit. 2,364,853; Dec. 12.

Kallman, Kaskel P., assignor by mesne assignments, to Technical Service, Incorporated, Detroit, Mich. Illuminating fixture. 2,364,854; Dec. 12.

Kamowski, Joseph T., Nanticoke, Pa. Thermal insulating jacket. 2,365,086; Dec. 12.

Kampstad, Clarence L. (See Kampstad, Henry O. and C. L.)

Kampstad, Henry O. and C. L., Lengby, Minn. Mounting and supporting motors. 2,364,855; Dec. 12.

Kansas City Testing Laboratory. (See Cross, R. Phillips, and Cross, assignors.)

Kassay, Andrew W., E. H. Balz, and W. D. Williams, Toledo, Ohio, assignors, by mesne assignments, to Libbey-Owens-Ford Glass Company. Producing fine wood flour. 2,364,721; Dec. 12.

Kaufmann, John J., Elkins Park, assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Loom harness. 2,364,982; Dec. 12.

Kazantzeff, John S., Abbotsford, British Columbia, Canada. Incubator. 2,364,722; Dec. 12.

Keener, Barnett A. (See Comer, Curtis G., and Keener.)

Keiser, Berhard. (See De Groote, M., and Keiser.)

Keller, John D., Pittsburgh, Pa., assignor to The Wean Engineering Company, Inc., Warren, Ohio. Tinning strip. 2,364,904; Dec. 12.

Kellogg, Edward W., Indianapolis, Ind., assignor to Radio Corporation of America. F-M control track operation. 2,364,723; Dec. 12.

Kenlee Corporation. (See Lee, Roger K., assignor.)

King, Martin. (See Nudelman, Eoina, assignor.)

Kingston, Arthur C., et al. (See Young, William D., assignor.)

Kin-O-Lux, Inc. (See Nemnich, Gustav, assignor.)

Kirk, Louis R. (See Montgomery, D. H., and Kirk.)

Klay, George H., and F. J. Lingel, assignors to The Triplett Electrical Instrument Co., Bluffton, Ohio. Electrical meter. 2,364,724; Dec. 12.

Koch, Gustav H., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Pedestal. 2,364,794; Dec. 12.

Koehler, Richard, Manchester, N. H. Door handle and latch. 2,364,795; Dec. 12.

Koppers Company. (See Morton, Allen W., assignor.)

Korn, Franklin A., Westfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Trouble indicating system. 2,364,796; Dec. 12.

Kuehlman, Norman V., Milwaukee, Wis., assignor to The National Lock Washer Company, Newark, N. J. Magazine filling mechanism. 2,364,797; Dec. 12.

Kulberg, August E., and C. L. Albright, Beverly, Mass., assignors to Sylvania Electric Products Inc. Apparatus for coating fluorescent lamps. 2,364,798; Dec. 12.

Kulo, Thomas E. (See Baur, H. J., and Kulo.)

Lagasse, Alfred, Weymouth, Mass. Loom temple roll. 2,364,983; Dec. 12.

Lanchester, George H., assignor to A. E. Somers, London, England. Firearm. 2,365,087; Dec. 12.

Landolt, Albert, Riehen, and A. Ruperti, Arlesheim, assignors to the firm of Society of Chemical Industry in Basle, Basel, Switzerland. Improving the dyeings and prints prepared with water-soluble dyestuffs. 2,364,725; Dec. 12.

Landolt, Albert, Riehen, and A. Ruperti, Arlesheim, Switzerland, assignors, by mesne assignments, to Ciba Products Corporation, Dover, Del. Improving the dyeings and prints prepared with water-soluble dyestuffs. 2,364,726; Dec. 12.

Lane, Guy M., and H. W. Mackey, Detroit, Mich., assignors to The Crosley Corporation, Cincinnati, Ohio. Station selector. 2,365,088; Dec. 12.

Lang, George F., Jenkintown, Pa. Sheer full-fashioned stocking. 2,364,636; Dec. 12.

Larsen, Elmer J., and O. G. Nelson, Baltimore, Md., assignors to Western Electric Company, Incorporated, New York, N. Y. Strand handling machine. 2,364,984; Dec. 12.

Lassieur, Eugene J., Flushing, assignor to Bulova Watch Company, New York, N. Y. Remote control for stop clocks. 2,364,856; Dec. 12.

Lathrop-Paulson Company, The. (See Hageline, Emil E., assignor.)

Laughlin, Herman G., Tonawanda, and G. J. Risser, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Concentration of slurries. 2,364,799; Dec. 12.

Laukhuff, Alfred, Milwaukee, Wis. Cutting machine. 2,364,985; Dec. 12.

Law, Hugh, Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Work handling apparatus. 2,364,986; Dec. 12.

Law, James A., Merced, Calif. Crawler track. 2,364,857; Dec. 12.

Lear Avia, Inc. (See Lear, William P., assignor.)

Lear, William P., Dayton, assignor, by mesne assignments, to Lear Avia, Inc., Piqua, Ohio. Pitot control system for aircraft. 2,364,637; Dec. 12.

Lebedeff, Yurii E., Metuchen, N. J., assignor to American Smelting and Refining Company, New York, N. Y. Treating tin sulphide concentrates. 2,364,727; Dec. 12.

Le Bourgeois, Roy, New Orleans, La. Device to hold radio programs. 2,365,089; Dec. 12.

Lee, Harry F., Grand Junction, Colo. Atomizer for carburetors. 2,364,987; Dec. 12.

Lee, Roger K., assignor to Kenlee Corporation, Highland Park, Mich. Curing machine. 2,364,858; Dec. 12.

Leece, Bennett M., Shaker Heights, assignor to The Leece-Neville Company, Cleveland, Ohio. Rheostat. 2,364,728; Dec. 12.

Leece-Neville Company, The. (See Leece, Bennett M., assignor.)

Lees-Bradner Company, The. (See Warner, H. C., and Schurr, assignors.)

Leroux, Edward E., Jersey City, N. J. Stenciling attachment for typewriters. 2,364,729; Dec. 12.

Leskin, Morton B., Los Angeles, Calif., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Detonating explosive rivets. 2,364,730; Dec. 12.

Levine, Samuel, Worcester, Mass. Shuttle drive. 2,365,090; Dec. 12.

Levy, René L., Paris, France, assignor to Societe D'Inventions Aeronautiques et Mecaniques S. I. A. M., Fribourg, Switzerland. Hydraulic control system. 2,365,091; Dec. 12.

Lewis, John O., Woodside, Long Island, assignor to Delta Nozzle Corp., New York, N. Y. Nozzle. 2,364,905; Dec. 12.

Libbey-Owens-Ford Glass Company. (See Kassay, A. W., Balz, and Williams, assignors.)

Lichtenstein, Leo, Chicago, Ill. Loose-leaf binder. 2,364,859; Dec. 12.

Lincoln, Bert H. (See Davis, L. L., Lincoln, and Byrkit.)

Lincoln Electric Company, The. (See Smith, Emmett A., assignor.)

Line Material Company. (See Schultz, William O., assignor.)

Lingel, Frederick J. (See Klay, G. H., and Lingel.)

Lipstock, Alexander J., assignor to The Industrial Home for the Blind, Brooklyn, N. Y. Mop. 2,364,800; Dec. 12.

Liquid Carbonic Corporation, The, et al. (See Goddard, M. B., and Oeler, assignors.)

Lloyd, Burt E., Milford, Pa. Clothes support. 2,364,860; Dec. 12.

Lockheed Aircraft Corporation. (See Corta, Alfred, assignor.)

Lombard, Herman, U. S. Navy. Retaining means for locking pins. 2,364,638; Dec. 12.

Lubri-Zol Development Corporation, The. (See Davis, L. L., Lincoln, and Byrkit, assignors.)

Luck, David G. C., Merchantville, N. J., assignor to Radio Corporation of America. Radio navigation. 2,364,731; Dec. 12.

Lüdi, Fritz, Baden, assignor to Patelhold Patentverwertungs- & Elektro-Holding A.-G., Glarus, Switzerland. Ultra high frequency generator. 2,364,732; Dec. 12.

Lumsden, Allen R., Los Angeles, Calif. Releasable securing device. 2,364,906; Dec. 12.

Lyon Metal Products, Incorporated. (See Bales, James E., assignor.)

Lyon Metal Products, Incorporated. (See O'Connor, John B., assignor.)

M and M Wood Working Company. (See Behm, Richard D., assignor.)

Mackey, Henry W. (See Lane, G. M., and Mackey.)

Magnetic Devices, Inc. (See Price, Osborne I., assignor.)

Maizel, Ben, assignor to Vico Products Company, Chicago, Ill. Treatment of vitamin extracts. 2,364,639; Dec. 12.

Mallina, Rudolph F., Hastings on Hudson, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Material forming apparatus. 2,364,989; Dec. 12.

Mallison, H. D. (See Haight, Norman L., assignor.)

Mallory, P. R., & Co. (See Aust, Robert J., assignor.)

Mallory, P. R., & Co. (See Hensel, Franz R., assignor.)

Mallory, P. R., & Co. (See Huebner, E. W., and Peterson, assignors.)

Malott, William M., Lafayette, assignor to Shell Development Company, San Francisco, Calif. Break-in fuel and breaking in internal-combustion engines. 2,364,990; Dec. 12.

Manning, Maxwell & Moore, Incorporated. (See Eplett, Albert D., assignor.)

Manning, Maxwell & Moore, Incorporated. (See Turner, Jacob L., assignor.)

Marberg, Carl M., Elmhurst, and E. K. Fischer, Long Island City, assignors to Interchemical Corporation, New York, N. Y. Textile decorating compositions. 2,364,738; Dec. 12.

Marietta Manufacturing Company. (See Merriam, Edmund S., assignor.)

Marshall, Nicholas J., New Bremen, Ohio. Watering device. 2,364,991; Dec. 12.

Martin, Alfred M., Park Ridge, Ill. Record visualizing device. 2,364,640; Dec. 12.

Martin, Glenn L., Company, The. (See Buchal, W., and Veit, assignors.)

Martin, Otis C., Los Angeles, Calif. Manufacturing valve bodies. 2,364,864; Dec. 12.

Martin, Russell, assignor to The Coleman Lamp and Stove Company, Wichita, Kans. Safety fuel cutoff for heating appliances. 2,365,092; Dec. 12.

Martines, Rene, Cranston, R. I. Armored cable cutter. 2,364,801; Dec. 12.

Martinson, Lawrence E. (See Ballard, A. E., and Martinson.)

Maschinenfabrik Schärer. (See Siegenthaler, Walter, assignor.)

Mason, Frederick P., assignor to Creed and Company Limited, Croyden, England. Alternating current supply. 2,364,802; Dec. 12.

Mason, John M. (See Moremen, Marcus L., assignor.)

Mattimore, John D., Greensburg, Pa., assignor to Walworth Patents Inc., Boston, Mass. Valve. 2,364,907; Dec. 12.

Mattingly, Harold W., assignor to Axelson Manufacturing Co., Los Angeles, Calif. Shock absorbing strut. 2,364,865; Dec. 12.

Mattox, William J., and W. L. Benedict, assignors to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbons. 2,364,739; Dec. 12.

Maurette, René G., Beverly, assignor to Sylvania Electric Products Inc., Salem, Mass. Lamp fixture. 2,364,992; Dec. 12.

Mayhew, Peter, Barrington, R. I. Crash plane. 2,364,803; Dec. 12.

McBride, John W., Burbank, Calif. Stringed musical instrument. 2,364,861; Dec. 12.

McCollum, Andrew O., Detroit, Mich. Die retainer. 2,364,733; Dec. 12.

McConnell, Andrew J. (See Traver, O. C., and McConnell.)

McFarland, Forest R., Huntington Woods, assignor to Packard Motor Car Company, Detroit, Mich. Drive mechanism. 2,364,988; Dec. 12.

McFaull, Malcolm. (See Rideout, A. E., McFaull, and Wimmer.)

McGill Manufacturing Company. (See Storz, Otto, assignor.)

McGlone, John J., Harvey, and R. I. Anderson, Chicago, assignors to Whiting Corporation, Harvey, Ill. Metal-working machine. 2,364,734; Dec. 12.

McGlone, John J., Harvey, and R. I. Anderson, Chicago, assignors to Whiting Corporation, Harvey, Ill. Metal working machine. 2,364,735; Dec. 12.

McGlone, John J., Harvey, and R. I. Anderson, Chicago, assignors to Whiting Corporation, Harvey, Ill. Metal working machine. 2,364,736; Dec. 12.

McGraw Electric Company. (See Osterheld, Clark M., assignor.)

McGrew, Frank C., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Ethers. 2,364,737; Dec. 12.

McKechnie, Ian C. (See Boyce, L. D., and McKechnie.)

McKenna, Thomas L. (See Zizinia, P. T., and McKenna.)

McLary, Henry J., Orangeville, Ontario, Canada. Weed destroying attachment for plows. 2,364,862; Dec. 12.

McLaughlin, James L. A., Detroit, Mich. Heterodyne eliminator. 2,364,863; Dec. 12.

McLuckie, George L. (See Hivick, C. L., and McLuckie.)

Mechanite Metal Corporation. (See Smalley, Oliver, assignor.)

Menking, Heinz, Rocky River, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa. Shuttle. 2,364,740; Dec. 12.

Merchant, Donald R., assignor to St. Paul Hydraulic Hoist Company, Minneapolis, Minn. Telescopic jack structure. 2,364,741; Dec. 12.

Merck & Co. (See Weijlard, J., and Erickson, assignors.)

Merriam, Edmund S., Marietta, Ohio, assignor to Marietta Manufacturing Company, Point Pleasant, W. Va. Reduction of metal ores. 2,364,742; Dec. 12.

Merrill Company, The. (See Mills, L. D., Crowe, and Byler, assignors.)

Meston, Archibald F., Bound Brook, N. J., assignor to Research Corporation, New York, N. Y. Composite electrode. 2,364,641; Dec. 12.

Meyer, George J., Milwaukee, Wis. Clutch. 2,365,093; Dec. 12.

Meyer, Walter R., Hamden, Conn. Blackening copper or copper alloy surfaces. 2,364,993; Dec. 12.

Meynier, Maurice J., Jr., Houston, Tex. Nipple shield. 2,364,866; Dec. 12.

Michael, Wilhelm, and A. Buettner, Ludwigshafen-on-the-Rhine, Germany; vested in the Alien Property Custodian. Conversion of carbon monoxide with hydrogen into hydrocarbons. 2,365,094; Dec. 12.

Mid-West Forge Company, The. (See Archer, Richard L., assignor.)

Mid-West Wire Products Company. (See Geralds, Jerry, assignor.)

Miller, Arthur J., Newark, N. J., and I. R. Taylor, Brooklyn, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Making selenium elements. 2,364,642; Dec. 12.

Miller, Leonidas C., Los Angeles, assignor, by mesne assignments, of one-half to Eastman Oil Well Survey Company, Dallas, Tex., and one-half to Eastman Oil Well Survey Corporation, Long Beach, Calif. Compass unit. 2,364,908; Dec. 12.

Miller, Raymond S., and H. C. Zintz, assignors to Vickers Incorporated, Detroit, Mich. Power transmission. 2,365,095; Dec. 12.

Mills, Louis D., and T. B. Crowe, Palo Alto, and R. E. Byler, Stanford University, assignors to The Merrill Company, San Francisco, Calif. Cyanidation method and apparatus. 2,364,867; Dec. 12.

Minerals Separation North American Corporation. (See Brown, E. H., and Tartaron, assignors.)

Mines and Resources, His Majesty the King in the right of Canada, as represented by the Minister of. (See Swartzman, Edward, assignor.)

Mitchell, John D. (See Hicks, Albertson, assignor.)

Mongan, Charles E., Jr., assignor to Hartford-Empire Company, Hartford, Conn. Method of and apparatus for tempering hollow glass articles. 2,365,138; Dec. 12.

Monroe, Charles Z., Detroit, Mich., assignor to The American Paper Bottle Company, Toledo, Ohio. Article handling mechanism. 2,364,868; Dec. 12.

Monsanto Chemical Company. (See Jenkins, Russell L., assignor.)

Monsanto Chemical Company. (See Renoll, Mary W., assignor.)

Montgomery, Donald H., West Hartford, and L. R. Kirk, Bristol, assignors to The New Britain Machine Company, New Britain, Conn. Grinder. 2,364,804; Dec. 12.

Moore, Sidney A., assignor to The Prime Manufacturing Company, Milwaukee, Wis. Electrified fence installation. 2,364,994; Dec. 12.

Moore, Wiley T., Laverne, Okla., and W. E. Thibodeau, Cleveland, Ohio. Explosive projectile. 2,364,643; Dec. 12.

Moremen, Marcus L., Jacksonville, Fla., assignor of one-tenth to J. M. Mason, Washington, D. C. Automatic overlead gun sight. 2,365,144; Dec. 12.

Morris Paper Mills. (See Powell, Henry K., assignor.)

Morris, Thomas C., Belmont, assignor, by mesne assignments, to B. B. Chemical Co., Boston, Mass. Colored article and making the same. 2,364,744; Dec. 12.

Morton, Allen W., Baltimore, Md., assignor, by mesne assignments, to Koppers Company, Inc. Piston ring. 2,364,743; Dec. 12.

Morway, Arnold J. (See Zimmer, J. C., and Morway.)

Mothwurf, Arthur F. F., Philadelphia, Pa., assignor, by mesne assignments, to Industrial Rayon Corporation. Rayon spinning and drying cage. 2,365,096; Dec. 12.

Mott, Chester, Evanston, and A. F. Chouinard, assignors to National Cylinder Gas Company, Chicago, Ill. Cutting torch machine. 2,364,644; Dec. 12.

Mott, Chester, Evanston, A. F. Chouinard, and R. L. Harding, assignors to National Cylinder Gas Company, Chicago, Ill. Torch device. 2,364,645; Dec. 12.

Moule, Rex E., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Mold equipment. 2,364,745; Dec. 12.

Mueller, Adolf G., Fairfield, Conn., assignor to General Electric Company. Pull chain socket. 2,364,995; Dec. 12.

Mullgart, Alex S. (See Cherry, Carl W., assignor.)

Murdock, Harold R., Asheville, N. C., assignor to The Champion Paper and Fibre Company, Hamilton, Ohio. Preparing paper coating compositions and the like. 2,365,097; Dec. 12.

Murphy, Ray, Wetumka, Okla. Valve lock. 2,364,909; Dec. 12.

Murphy, William H., executor. (See Nash, James, assignor.)

Murray, Lawrence J. (See Gillings, C., and Murray.)

Myrick, George H., Rochester, Minn. Dressings sterilizer. 2,364,910; Dec. 12.

Nash, James, assignor to W. H. Murphy, executor of H. De Lisle, deceased, doing business as Engineering Sales Company, Sheboygan, Wis. Drafting instrument and the like. 2,364,805; Dec. 12.

Nash, James, assignor to W. H. Murphy, executor of H. De Lisle, deceased, doing business as Engineering Sales Company, Sheboygan, Wis. Pivoted leg instrument. 2,364,806; Dec. 12.

National Cylinder Gas Company. (See Mott, C., and Chouinard, assignors.)

National Cylinder Gas Company. (See Mott, C., Chouinard, and Harding, assignors.)

National Fireworks, Inc. (See Brandt, Francis L., assignor.)

National Lock Co. (See North, E. W., and Stone, assignors.)
National Lock Washer Company, The. (See Kuehlman, Norman V., assignor.)
National Malleable and Steel Castings Company. (See Blackmore, William, assignor.)
National Steel Corporation. (See Bowen, John E., assignor.)
Neal, Ralph H. (See Vahlteich, H. W., and Neal.)
Neff, Wallace, Hollywood, Calif. Building construction. 2,365,145; Dec. 12.
Negretti & Zambra. (See Ibbott, Harold W., assignor.)
Nelson, John W. (See Rakos, Joseph F., assignor.)
Nelson, Lawrence, Jr., assignor of one-half to S. R. Pletz, Chicago, Ill. Fish lure container. 2,364,807; Dec. 12.
Nelson, Oscar G. (See Larsen, E. J., and Nelson.)
Nelson, Oscar G., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Strand handling apparatus. 2,364,808; Dec. 12.
Nelson, Richard N., Black River Falls, Wis. Explosive bullet. 2,364,646; Dec. 12.
Nemnich, Gustav, assignor to Kin-O-Lux, Inc., New York, N. Y. Motion-picture mechanism. 2,364,746; Dec. 12.
Newberry, Lawrence C., Long Beach, Calif. Wrench. 2,365,139; Dec. 12.
Newberry, Meigs W., South Windsor, assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,364,809; Dec. 12.
New Britain Machine Company, The. (See Montgomery, D. H., and Kirk, assignors.)
New York Air Brake Company, The. (See Sudduth, Henry N., assignor.)
Newton, John S. (See Schwendner, A. F., and Newton.)
Nordberg Manufacturing Co. (See Talboys, H. H., and Erickson, assignors.)
Normain Corporation. (See Whitehead, Earl B., assignor.)
North, Edwin W., and R. A. Stone, assignors to National Lock Co., Rockford, Ill. Self-balancing lid support. 2,364,747; Dec. 12.
Northern Equipment Company. (See Hunter, William L., assignor.)
Norton, Lowell E., Collingswood, N. J., assignor to Radio Corporation of America. Radio range. 2,364,748; Dec. 12.
Noxon, Paul A., Tenafly, assignor to Bendix Aviation Corporation, Bendix, N. J. Speed governing means. 2,364,810; Dec. 12.
Nudelman, Eoina, assignor to M. King, Chicago, Ill. Cardboard novelty. 2,365,098; Dec. 12.
O'Brien, Frank J., Pelham, assignor to Continental Can Company, Inc., New York, N. Y. Portable container. 2,365,099; Dec. 12
O'Brien, Frank J., Pelham, assignor to Continental Can Company, Inc., New York, N. Y. Key opening container. 2,365,100; Dec. 12.
O'Brien, Richard S., New York, N. Y. Attachment plug-retaining device. 2,365,101; Dec. 12.
O'Connell, Thomas C., San Rafael, Calif. Glove. 2,364,749; Dec. 12.
O'Connor, John B., assignor to Lyon Metal Products, Incorporated, Aurora, Ill. Chair construction. 2,364,647; Dec. 12.
Oeler, Richard C. (See Goddard, M. B., and Oeler.)
Ohio Crankshaft Company, The. (See Denneen, F. S., and Dunn, assignors.)
Ohio Rubber Company, The. (See Humphreys, Marion W., assignor.)
Ohio State University Research Foundation. (See Dreese, E. E., Evans, and Davis, assignors.)
Olds, Ambrose D., assignor to The Coleman Lamp and Stove Company, Wichita, Kans. Pilot for gas burners. 2,365,102; Dec. 12.
Olson, Buford W., assignor to Chas. Olson & Sons, Inc., Minneapolis, Minn. Multiple position fastener for hinged tail gates. 2,364,648; Dec. 12.
Olson, Chas., & Sons, Inc. (See Olson, Buford W., assignor.)
Olson, Frederick F., Sudbury, Mass., assignor to The B. F. Goodrich Company, New York, N. Y. Making boots and similar articles of footwear. 2,365,103; Dec. 12.
O'Rear, Kenneth H. (See Balisteri, J. F., and O'Rear.)
Osella, Joseph A., Roseville, Calif. Repairing rubber hose. 2,364,911; Dec. 12.
Osmun, Fred N., Houston, Tex. Jar. 2,364,869; Dec. 12.
Osterheld, Clark M., Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill. Encased resistor unit. 2,364,996; Dec. 12.
Otterbein, John A., Middletown, Conn. Machine gun cartridge belt. 2,364,997; Dec. 12.
Otto, Edgar W., Los Angeles, Calif., assignor to Western Lithograph Company. Producing laminated plastic articles. 2,364,870; Dec. 12.
Packard Motor Car Company. (See Christman, John M., assignor.)
Packard Motor Car Company. (See McFarland, Forest R., assignor.)
Palliser, Sylvia E., Chicago, Ill. Cable needle for knitting. 2,364,649; Dec. 12.
Palmer, Harry L., Schenectady, and E. D. Schneider, Scotia, assignors to General Electric Company. Electric control circuit. 2,364,998; Dec. 12.
Parke, Davis & Company. (See Sandweiss, David J., assignor.)
Parr, Elmer. (See Parr, Frank and E.)
Parr, Frank and E., Mountain Lake, Minn. Display device. 2,364,999; Dec. 12.
Patelhold Patentverwertungs & Elektro-Holding A.-G. (See Lüdi, Fritz, assignor.)
Paxton, George N. (See Paxton, J. W. and G. N., and Cornish.)
Paxton, John W. and G. N., Bloomington, and I. R. Cornish, Elmhurst, Ill. Filing cabinet follower. 2,364,912; Dec. 12.
Peck, William F., Snyder, and A. A. Gradisar, Buffalo, N. Y., assignors to American Optical Company, Southbridge, Mass. Diagnostic instrument. 2,365,104; Dec. 12.
Penokee Veneer Company. (See Atwood, Harry N., assignor.)
Perkins, Willard T. (See Harvey, J. E., and Perkins.)
Perkins, Willard T., Irondequot, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Optical instrument. 2,364,811; Dec. 12.
Permutit Company, The. (See Brice, Norman E., assignor.)
Perry, Landis H., Glendale, Calif. Liquid control valve. 2,365,105; Dec. 12.
Pesco Products Co. (See Wichorek, Edmund F., assignor.)
Peters, Otto A., assignor to Willys-Overland Motors, Inc., Toledo, Ohio. Control for riveting devices. 2,364,750; Dec. 12.
Peterson, Earl C., and L. V. Baumgart, Minneapolis, assignors to Home Heaters, Inc., Racine, Wis. Solid fuel burner. 2,364,913; Dec. 12.
Peterson, Lowell E. (See Huebner, E. W., and Peterson.)
Peterson, Willard D. (See Vittum, P. W., Peterson, and Porter.)
Petrolite Corporation, Ltd. (See De Groote, M., and Keiser, assignors.)
Pflasterer, George R., Greenville, assignor to The Union Switch and Signal Company, Swissvale, Pa. Light signal. 2,365,000; Dec. 12.
Phillips, Horace M., Gastonia, N. C. Picker check for looms. 2,364,914; Dec. 12.
Phillips, Walter B. (See Cross, R., Phillips, and Cross.)
Photoswitch Incorporated. (See Wolfner, William F., II, assignor.)
Pierson, Ralph C., Indianapolis, Ind., assignor to Union Carbide and Carbon Corporation. Poppet valve. 2,364,812; Dec. 12.
Pixler, Ralph E., Dayton, Ohio. Stock pusher. 2,364,813; Dec. 12.
Place, Willard P., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Speed responsive apparatus. 2,364,751; Dec. 12.
Pletz, S. R. (See Nelson, Lawrence, Jr., assignor.)
Plummer, Robert K., and L. M. Hamlet, Minneapolis, and T. A. Blank, Rochester, Minn. Game apparatus. 2,364,814; Dec. 12.
Pneumatic Scale Corporation, Limited. (See Howard, Stanley R., assignor.)
Pollock, Gordon B., South Laguna, Calif. Camera construction. 2,364,652; Dec. 12.
Pollock, Robert T., and O. C. W. Henze, assignors to J. L. Sweeney, New York, N. Y. Escapement mechanism. 2,364,653; Dec. 12.
Pollock, Robert T., and O. C. W. Henz, assignors to J. L. Sweeney, New York, N. Y. Power control apparatus. 2,364,654; Dec. 12.
Porter, Carroll B., Metuchen, N. J., assignor to American Smelting and Refining Company, New York, N. Y. Treating tin hardhead to recover tin. 2,364,815; Dec. 12.
Porter, Henry D. (See Vittum, P. W., Peterson, and Porter.)
Potomac Engineering Corporation. (See Stafford, G. T., and Albach, assignors.)
Powell, Henry K., assignor to Morris Paper Mills, Chicago, Ill. Bottleholder. 2,364,650; Dec. 12.
Powell, Henry K., assignor to Morris Paper Mills, Chicago, Ill. Bottleholder. 2,364,651; Dec. 12.
Powers Accounting Machines Limited. (See Baldwin, Richard E., assignor.)
Powers, Ralph O., Portland, Oreg. Fluid conduit closure. 2,365,001; Dec. 12.
Pratley, Henry H., deceased, Glendale, Calif.; California Trust Company, executor. Geophysical exploration. 2,364,655; Dec. 12.
Pressler, Ralph B., assignor to S. F. Bowser & Company, Incorporated, Fort Wayne, Ind. Change-speed mechanism. 2,364,915; Dec. 12.
Price, H. C., Company. (See Elliott, Bernard V., assignor.)
Price, Osborne I., assignor to Magnetic Devices, Inc., Frederick, Md. Magnetic actuator. 2,364,656; Dec. 12.
Prime Manufacturing Company, The. (See Moore, Sidney A., assignor.)
Proctor, Maurice and W. R., Seattle, Wash.; said W. R. Proctor assignor to said M. Proctor. Trench digger. 2,364,657; Dec. 12.
Proctor, William R. (See Proctor, Maurice and W. R.)
Pugh, Samuel T., Radford, Va. Loom stop motion attachment. 2,365,106; Dec. 12.
Quinn, Edward, Saugus, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Shoe. 2,364,816; Dec. 12.

Radio Corporation of America. (See Crosby, Murray G., assignor.)
Radio Corporation of America. (See Kellogg, Edward W., assignor.)
Radio Corporation of America. (See Luck, David G. C., assignor.)
Radio Corporation of America. (See Norton, Lowell E., assignor.)
Radio Corporation of America. (See Roberts, Walter Van B., assignor.)
Radio Corporation of America. (See Schade, Otto H., assignor.)
Ragsdale, LaVerne B., assignor to Briggs Manufacturing Company, Detroit, Mich. Engine. 2,364,658; Dec. 12.
Rakos, Joseph F., assignor to J. W. Nelson, Cleveland, Ohio. Protective shield for welders. 2,365,107; Dec. 12.
Rappl, Anton. (See Horton, E. C., and Rappl.)
Rasmussen, Charles H., assignor to Ferdinand Gutmann & Co., Brooklyn, N. Y. Package. 2,364,916; Dec. 12.
Rawling, Arthur. (See Amer, D. F., and Rawling.)
Ray, William A., Los Angeles, Calif. Control device. 2,364,659; Dec. 12.
Ray, William A., Los Angeles, Calif. Hysteresis compensator. 2,364,917; Dec. 12.
Rayburn, Vincent A., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for treating strands. 2,364,752; Dec. 12.
Redcliffe, Frederick J. (See Sharkey, F. W., and Redcliffe.)
Reger, Phyllis C. (See Reger, William M., Jr., and P. C.)
Reger, William M., Jr., and P. C., Saginaw, Mich. Pin for securing curls. 2,365,002; Dec. 12.
Reggio, Ferdinando C., Buffalo, N. Y. Regulating device. 2,364,817; Dec. 12.
Reid, Laurance S., Oklahoma City, Okla. Method of and apparatus for recovering desirable petroleum hydrocarbon fractions from high pressure wells. 2,364,660; Dec. 12.
Reinholz, William H., Irondequoit, N. Y. Collapsible seat. 2,365,003; Dec. 12.
Reissner, Hans, Chicago, Ill. Propeller construction for aircraft or the like. 2,364,871; Dec. 12.
Remington Rand Inc. (See Roggenstein, Edwin O., assignor.)
Renoll, Mary W., Oakwood, Ohio, assignor to Monsanto Chemical Company. Difluoroalkanes. 2,364,818; Dec. 12.
Research Corporation. (See Elgin, Joseph C., assignor.)
Research Corporation. (See Meston, Archibald F., assignor.)
Reyrolle, A., & Company Limited. (See Amer, D. F., and Rawling, assignors.)
Reyrolle, A., & Company Limited. (See Amer, D. F., and Webb, assignors.)
Rheem Manufacturing Company. (See Horne, William O., assignor.)
Rice, Adelbert F. and A. E., Cleveland, Ohio. Venetian blind. 2,365,004; Dec. 12.
Rice, Albert E. (See Rice, Adelbert F. and A. E.)
Rice, Beatrice W., New York, N. Y. Decorative table top. 2,365,005; Dec. 12.
Rich, Cheri, New York, N. Y. Nonmetallic cling ear ornament. 2,364,872; Dec. 12.
Richards, Charles, Quincy, Mass. Plate hanger. 2,365,108; Dec. 12.
Richter, Eugene, et al. (See Young, William D., assignor.)
Richter, George F., Bogota, N. J., assignor to Scovill Manufacturing Company, Waterbury, Conn. Bottle container. 2,364,753; Dec. 12.
Ricketts, Robert E., Plainfield, N. J. Cathode ray tube and light beam control means. 2,365,006; Dec. 12.
Ridd, Ambrose, Louisville, Ky. Tire vulcanizing clamp. 2,365,109; Dec. 12.
Rideout, Arthur E., Chicago, Ill., M. McFaull, Jackson Heights, N. Y., and L. Wimmer, Middletown, assignors to Standard-Knapp Corporation, Portland, Conn. Can-handling machine. 2,365,007; Dec. 12.
Ridings, Garvice H., Summit, and R. J. Wise, Dunellen, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Coin controlled facsimile system. 2,364,754; Dec. 12.
Risser, Gerald J. (See Laughlin, H. G., and Risser.)
Ritzmann, Otto F., Aspinwall, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Apparatus for seismograph prospecting. 2,364,755; Dec. 12.
Robb, Walter Y., Whitinsville, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Electric stop motion for axminster looms. 2,365,008; Dec. 12.
Robb, Walter Y. (See Fletcher, N., and Robb.)
Roberson, Forney, Mobile, Ala. Wheel handling apparatus. 2,364,918; Dec. 12.
Roberts, Walter Van B., Princeton, N. J., assignor to Radio Corporation of America. Harmonic generator. 2,364,756; Dec. 12.
Robertson, Anthony E., New York, N. Y., assignor to Standard Oil Development Company. Motor fuels. 2,365,009; Dec. 12.
Robinson, Charles A., Salem, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Shoe machine. 2,364,757; Dec. 12.
Rock Hill Printing & Finishing Company. (See Aycock, John A., assignor.)

Roddy, Fred M., Providence, R. I., assignor to H & B American Machine Company. Builder mechanism. 2,364,819; Dec. 12.
Rode, Fredrich J., and M. R. Hatch, Toledo, Ohio, assignors to E. W. Bliss Company, Brooklyn, N. Y. Toggle press. 2,364,661; Dec. 12.
Roeder, Dale, Wayne, and E. H. Wright, Detroit, assignors to Ford Motor Company, Dearborn, Mich. Engine control. 2,364,662; Dec. 12.
Rogers, Eugene A., Riverdale, Md. Dispensing cap or closure for containers. 2,365,110; Dec. 12.
Rogers, Harry G., Wellington, New Zealand. Display screen for pictures and the like. 2,365,010; Dec. 12.
Roggenstein, Edwin O., Ilion, assignor to Remington Rand Inc., Buffalo, N. Y. Recording and computing machine. 2,364,758; Dec. 12.
Roggenstein, Edwin O., Utica, assignor to Remington Rand Inc., Buffalo, N. Y. Recording and computing machine. 2,364,759; Dec. 12.
Rosander, Axel E. (See Rosander, John E. and A. E.)
Rosander, John E. and A. E., Minneapolis, Minn. Beer faucet. 2,364,820; Dec. 12.
Rosen, Oscar E., Detroit, Mich. Control device for duplicating machines. 2,364,873; Dec. 12.
Rosen, Raphael, Elizabeth, N. J., assignor to Standard Oil Development Company. Lubricant composition. 2,365,011; Dec. 12.
Royse, Edwin H. (See Weisz, W. M., and Royse.)
Ruperti, Andreas. (See Landolt, A., and Ruperti.)
Russell, Robert M., Woodhaven, N. Y. Patient and bedding remover. 2,365,111; Dec. 12.
Rust, John B. (See Hessel, F. A., and Rust.)
Ruthven, Alfred L., assignor to L. R. Ruthven, Binghamton, N. Y. Parachute toy. 2,364,821; Dec. 12.
Ruthven, Louis R. (See Ruthven, Alfred L., assignor.)
Ryan, Margaret I., executrix. (See Ryan, Thomas H.)
Ryan, Thomas H., deceased, San Francisco, Calif.; M. I. Ryan, executrix. Transmission mechanism. 2,364,919; Dec. 12
St. Paul Hydraulic Hoist Company. (See Merchant, Donald R., assignor.)
Saldin, Max, Brooklyn, N. Y. Spring tire for vehicles. 2,364,874; Dec. 12.
Sampsel, Arthur V., Mendota, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill. Outfire control. 2,364,663; Dec. 12.
Sandweiss, David J., assignor to Parke, Davis & Company, Detroit, Mich. Therapeutic preparation effective against ulcers. 2,364,760; Dec. 12.
Saunders, Charles W. (See Harrison, C. P., and Saunders.)
Schade, Otto H., West Caldwell, N. J., assignor to Radio Corporation of America. Electron discharge device. 2,364,761; Dec. 12.
Schering Corporation. (See Junkmann, K., and Tschesche, assignors.)
Schieman, Gustave, Bronx, N. Y., assignor to International Plastic Corporation, Chicago, Ill. Pressure sealing membrane. 2,364,875; Dec. 12.
Schille, Jacob L. (See Borkowski, C. J., and Schille.)
Schmerling, Louis, and A. M. Durinski, assignors to Universal Oil Products Company, Chicago, Ill. Treatment of aromatic hydrocarbons. 2,364,762; Dec. 12.
Schmidt, Eugene. (See Ibbotson, E. D., and Schmidt.)
Schneider, Edward J., Bellerose, N. Y. Jacob's ladder. 2,365,012; Dec. 12.
Schneider, Elbert D. (See Palmer, H. L., and Schneider.)
Schneider, Max S., Chicago, Ill. Plating rack. 2,364,822; Dec. 12.
Schnell, Steve, Kirkwood, assignor to Wagner Electric Corporation, St. Louis, Mo. Brake shoe adjusting mechanism. 2,364,664; Dec. 12.
Schnell, Steve, Kirkwood, assignor to Wagner Electric Corporation, St. Louis, Mo. Piston construction. 2,364,823; Dec. 12.
Schott, John E. (See Churchill, L. R., Schott, and Waugh.)
Schrader, Herbert, and B. B. Gordon, Wheeling, W. Va., assignors to Continental Can Company, Inc., New York, N. Y. Rip strip container. 2,365,112; Dec. 12.
Schultz, William O., assignor to Line Material Company, South Milwaukee, Wis. Fuse device. 2,365,113; Dec. 12.
Schurr, Charles H. (See Warner, H. C., and Schurr.)
Schwendner, Anthony F., Ridley Park, and J. S. Newton, Drexel Hill, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Governor apparatus. 2,364,665; Dec. 12.
Schwitzer-Cummins Company. (See Frankenfield, Titus E., assignor.)
Scott, Walter J., Woonsocket, R. I. Stop motion for textile apparatus. 2,364,824; Dec. 12.
Scovill Manufacturing Company. (See Richter, George F., assignor.)
Seaman, Harry J., Milwaukee, Wis. Rotary tiller. 2,364,666; Dec. 12.
Seaman, Harry J., Milwaukee, Wis. Rotary tilling implement. 2,364,667; Dec. 12.
Sears, Roebuck and Co. (See Sampsel, Arthur V., assignor.)
Shaffer, Kenneth E., Richmond, Calif. Automatic arc striking starter circuit. 2,364,920; Dec. 12.

Sharkey, Francis W., and F. J. Redcliffe, New York, N. Y. Loop-forming needle. 2,365,013; Dec. 12.
Shell Development Company. (See Hassler, Gerald L., assignor.)
Shell Development Company. (See Malott, William M., assignor.)
Shell Development Company. (See Shokal, Edward C., assignor.)
Shields, Herbert F. H., London, England. Apparatus for unloading wheeled vehicles of the bottom-discharge type. 2,364,876; Dec. 12.
Shields, William D., Edgeworth, assignor to E. W. Voss, Dormont, Pa. Sheet roller leveler. 2,365,114; Dec. 12.
Shokal, Edward C., Oakland, assignor to Shell Development Company, San Francisco, Calif. Leaded motor fuels. 2,364,921; Dec. 12.
Shurcliff, William A., Plainfield, N. J., assignor to American Cyanamid Company, New York, N. Y. Spectrophotometer attachment for rejecting specular reflections. 2,364,825; Dec. 12.
Siegenthaler, Walter, assignor to Maschinenfabrik Schärer, Erlenbach, Zurich, Switzerland. Winding machine. 2,365,115; Dec. 12.
Silverman, Daniel, and R. W. Stuart, assignors to Stanolind Oil and Gas Company, Tulsa, Okla. Apparatus for drilling rate logging. 2,365,014; Dec. 12.
Simmons, Edward E., Jr., Pasadena, Calif. Fluid pressure gauge. 2,365,015; Dec. 12.
Simmons, John W., Cleveland Heights, Ohio. Resilient fastener. 2,364,668; Dec. 12.
Simpson, William J. (See Finlayson, D., Greenwood, and Simpson.)
Sisson, William A., Elizabeth, N. J., assignor, by mesne assignments, to Cold Control, Inc. Apparatus for refrigeration systems. 2,364,669; Dec. 12.
Sloan, Theodore H., assignor to G. M. S. Corporation, Pittsburgh, Pa. Chuck for machine tools. 2,365,116; Dec. 12.
Smalley, Oliver, Pittsburgh, Pa., assignor to Meehanite Metal Corporation, Chattanooga, Tenn. Manufacturing cast iron. 2,364,922; Dec. 12.
Smellie, Donald G., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,364,877; Dec. 12.
Smith, Edgar M., Trenton, N. J., assignor to The Brown Instrument Company, Philadelphia, Pa. Measuring apparatus. 2,364,923; Dec. 12.
Smith, Emmett A., East Cleveland, assignor to The Lincoln Electric Company, Cleveland, Ohio. Apparatus for arc welding. 2,364,826; Dec. 12.
Smith, Joseph W., Cambridge, Ohio. Eye testing device. 2,364,827; Dec. 12.
Smith, L. C., & Corona Typewriters, Inc. (See Bradt, Charles H., assignor.)
Snyder, Harold H. (See Stuckert, W. P., and Snyder.)
Societe D'Inventions Aeronautiques et Mecaniques S. I. A. M. (See Levy, René L., assignor.)
Society of Chemical Industry in Basle. (See Landolt, A., and Ruperti, assignors.)
Somers, Anthony E. (See Lanchester, George H., assignor.)
Somes, Howard E., Detroit, Mich., assignor to Budd Induction Heating, Inc., Philadelphia, Pa. Heat-treating apparatus. 2,364,924; Dec. 12.
Spanel, Abraham N., New York, N. Y. Girdle or the like. 2,365,016; Dec. 12.
Speller, Thomas H., Williamsville, N. Y., assignor, by mesne assignments, to Wilbur Johndrew, Buffalo, N. Y. Riveting machine. 2,365,147; Dec. 12.
Spencer Lens Company. (See Aitcheson, Thomas G., assignor.)
Spies, Philip M. (See Spies, Raymond J. and P. M.)
Spies, Raymond J. and P. M., Chicago, Ill. Recording mechanism motor control. 2,365,140; Dec. 12.
Sprouse, Verner E., Columbus, Ind. Hose clamp. 2,365,017; Dec. 12.
Spurlin, Harold M., assignor to Hercules Powder Company, Wilmington, Del. Producing pentaerythritol. 2,364,925; Dec. 12.
Stafford, George T., Urbana, Ill., and F. Albach, St. Louis, Mo., assignors, by mesne assignments, to Potomac Engineering Corporation, Chicago, Ill. Physical exercising or training apparatus. 2,365,117; Dec. 12.
Stamy, David R., Huntington Woods, and C. E. Fisher, assignors to The Standard Products Company, Detroit, Mich. Periscopic vision device. 2,364,670; Dec. 12.
Stamy, David R., Huntington Woods, C. E. Fisher, Detroit, and J. R. Finn, Dearborn, assignors to The Standard Products Company, Detroit, Mich. Tank hatch hood. 2,364,671; Dec. 12.
Standard Catalytic Company. (See Voorhies, Alexis, Jr., assignor.)
Standard-Knapp Corporation. (See Rideout, A. E., McFaull, and Wimmer, assignors.)
Standard Oil Development Company. (See Bies, Clarence C., assignor.)
Standard Oil Development Company. (See Connolly, Gerald C., assignor.)
Standard Oil Development Company. (See Heigl, J. J., and Hodell, assignors.)
Standard Oil Development Company. (See Robertson, Anthony E., assignor.)
Standard Oil Development Company. (See Rosen, Raphael, assignor.)
Standard Oil Development Company. (See Williams, Milton, assignor.)
Standard Oil Development Company. (See Zimmer, J. C., and Morway, assignors.)
Standard Products Company, The. (See Stamy, D. R., and Fisher, assignors.)
Standard Products Company, The. (See Stamy, D. R., Fisher, and Finn, assignors.)
Stanolind Oil and Gas Company. (See Douglas, Norvel, assignor.)
Stanolind Oil and Gas Company. (See Silverman, D., and Stuart, assignors.)
Stebbins, Frederick O., Schenectady, N. Y., assignors to General Electric Company. Driving mechanism. 2,365,018; Dec. 12.
Steel Heddle Manufacturing Company. (See Kaufmann, John J., assignor.)
Stevenson Engineering Corporation. (See Bottomley, Frank, assignor.)
Stevenson Engineering Corporation. (See Stevenson, Robert, assignor.)
Stevenson, Robert, Providence, R. I., assignor to Stevenson Engineering Corporation. Aerial propulsion. 2,364,672; Dec. 12.
Stewart, Howard J., York, Pa., assignor to General Electric Company. Insulated electrical conductor. 2,365,019; Dec. 12.
Stewart-Warner Corporation. (See Coxon, G. E., and Farr, assignors.)
Stillwell, Charles W., assignor to Dennison Manufacturing Company, Framingham, Mass. Gummed sheet material. 2,465,020; Dec. 12.
Stoker, Paul P., Joliet, Ill., assignor to The Union Switch and Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,364,926; Dec. 12.
Stone, Roy A. (See North, E. W., and Stone.)
Storz, Otto, assignor to McGill Manufacturing Company, Valparaiso, Ind. Plowing device. 2,364,878; Dec. 12.
Strafford, Frederick R. W., assignor to A. C. Cossor Limited, London, England. Electrical apparatus. 2,365,118; Dec. 12.
Strickland, Harold A., Jr., Detroit, Mich, assignor to Budd Wheel Company, Philadelphia, Pa. Electric furnace machine. 2,365,021; Dec. 12.
Stuart, Robert W. (See Silverman, D., and Stuart.)
Stuckert, William P., Marblehead, and H. H. Snyder, Lynn, assignors, to Sylvania Electric Products Inc., Salem, Mass. Glass forming apparatus. 2,364,673; Dec. 12.
Sturtevant, Antoinette, Forest Park, Ill. Cleaner for soldering irons. 2,365,022; Dec. 12.
Submarine Signal Company. (See Williams, Robert L., assignor.)
Sudduth, Henry N., Watertown, N. Y., assignor to The New York Air Brake Company. Air brake. 2,364,927; Dec. 12.
Sullivan Machinery Company. (See Johansen, Harry C., assignor.)
Sully, John, Joliet, Ill., assignor to American Car and Foundry Company, New York, N. Y. Power-operated hoist. 2,365,141; Dec. 12.
Sutcliffe, Harry L., assignor to H. B. Delman, New York, N. Y. Article of footwear. 2,364,763; Dec. 12.
Swartzman, Edward, Ottawa, Ontario, Canada, assignor to His Majesty the King in the right of Canada, as represented by the Minister of Mines and Resources. Clinkering coal and producing same. 2,364,828; Dec. 12.
Sweeney, Joseph L. (See Pollock, R. T., and Henze, assignors.)
Swift, Donald D., Hartford, Conn., assignors to M. Swift & Sons, Inc. Metallic leaf. 2,364,674; Dec. 12.
Swift, M., & Sons, Inc. (See Swift, Donald D., assignor.)
Sylvania Electric Products Inc. (See Kulberg, A. E., and Albright, assignors.)
Sylvania Electric Products Inc. (See Maurette, René G., assignor.)
Sylvania Electric Products Inc. (See Stuckert, W. P., and Snyder, assignors.)
T. C. M. Manufacturing Company. (See Taylor, Asa J., assignor.)
Talboys, Henry H., and H. E. Erickson, assignors to Nordberg Manufacturing Co., Milwaukee, Wis. Rail grinder. 2,364,879; Dec. 12.
Tartaron, Francis X. (See Brown E. H., and Tartaron.)
Taylor, Asa J., Zion, Ill., assignor to T. C. M. Manufacturing Company. Device for dislodging valve assemblies of internal-combustion engines. 2,365,023; Dec. 12.
Taylor, Irving R. (See Miller, A. J., and Taylor.)
Taylor, Maravene, S., et al. (See Young, William D., assignor.)
Taylor, Thomas B., et al. (See Young, William D., assignor.)
Technical Service, Incorporated. (See Kallman, Kaskel P., assignor.)
Texas Company, The. (See Towne, Charles C., assignor.)
Tharrington, John A., Rocky Mount, N. C. Tobacco curer. 2,365,119; Dec. 12.
Thibodeau, Wilfred E. (See Moore, W. T., and Thibodeau.)

Thirlwell, Thomas W., Akron, Ohio. Electric switch. 2,365,120; Dec. 12.
Thomas, Chester A., Crystal Lake, Ill. assignor to Babson Bros. Co. Milk cooler. 2,365,024; Dec. 12.
Thompson, Peter, New Orleans, La. Cargo ship construction. 2,364,928; Dec. 12.
Tichenor, Harold D., assignor to The Wabash Fibre Box Company, Terre Haute, Ind. Box. 2,364,829; Dec. 12.
Tide Water Associated Oil Company. (See Churchill, L. R., Schott, and Waugh, assignors.)
Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Fastening device. 2,364,880; Dec. 12.
Tinnerman Products, Inc. (See Hartman, Richard A., assignor.)
Tinnerman Products, Inc. (See Tinnerman, George A., assignor.)
Titan Company Incorporated. (See Ancrum, Robert W., assignor.)
Toledo Scale Company. (See Weckerly, Mark A., assignor.)
Toledo Scale Company. (See Williams, Lawrence S., assignor.)
Towne, Charles C., Beacon, assignor, by mesne assignments, to The Texas Company, New York, N. Y. Lubricating oil. 2,364,830; Dec. 12.
Traver, Oliver C., Drexel Hill, Pa., and A. J. McConnell, Albany, N. Y., assignors to General Electric Company. Protective system. 2,365,025; Dec. 12.
Traylor, William N., Hattiesburg, Miss., assignor to Hercules Powder Company, Wilmington, Del. Refining of phenolic resins Zn-NaHSO$_4$ mixture. 2,365,121; Dec. 12.
Traylor, William N., Hattiesburg, Miss., assignor to Hercules Powder Company, Wilmington, Del. Refining of modified alkyd resins. 2,365,122; Dec. 12.
Traylor, William N., Hattiesburg, Miss., assignor to Hercules Powder Company, Wilmington, Del. Refining of coumarone-indene resins. 2,365,123; Dec. 12.
Trico Products Corporation. (See Horton, E. C., and Rappl, assignors.)
Triplett Electrical Instrument Co., The. (See Klay, G. H., and Lingel, assignors.)
Trost, Henry W. (See Jobe, F. W., and Trost.)
Trott, Arthur J., Greensburg, Pa., assignor to Walworth Patents Inc., Boston, Mass. Valve. 2,364,929; Dec. 12.
Tschesche, Rudolf. (See Junkmann, K., and Tschesche.)
Tuff-Hard Corporation. (See Endress, Frederick A., assignor.)
Turner, Jacob L., Norwell, Mass., assignor to Manning, Maxwell & Moore, Incorporated, New York, N. Y. Flow meter. 2,364,930; Dec. 12.
Turner, Russell J., Butler, Pa. Firearm. 2,365,142; Dec. 12.
Tyler, Ivor C., Hill Farm, Thursley, assignor to Harris & Tyler Limited, Watford, Hertfordshire, England. Seat and the like. 2,365,206; Dec. 12.
Tyrner, Joseph M., Englewood, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Welding transformer. 2,364,881; Dec. 12.
Uger, Aron, Hamilton, Ontario, Canada. Arch support. 2,365,124; Dec. 12.
Umble, Omar K. (See Hertzler, R. S., and Umble.)
Underwood Elliott Fisher Company. (See Anderson, Walter A., assignor.)
Underwood Elliott Fisher Company. (See Newberry, Meigs W., assignor.)
Union Carbide and Carbon Corporation. (See Pierson, Ralph C., assignor.)
Union Switch and Signal Company, The. (See Pflasterer, George R., assignor.)
Union Switch & Signal Company, The. (See Place, Willard P., assignor.)
Union Switch and Signal Company, The. (See Stoker, Paul P., assignor.)
Union Switch and Signal Company, The. (See Zane, W. F., and Baughman, assignors.)
United-Carr Fastener Corporation. (See Johnson, Frank E., assignor.)
United Shoe Machinery Corporation. (See Gouldbourn, Joseph, assignor.)
United Shoe Machinery Corporation. (See Quinn, Edward, assignor.)
United Shoe Machinery Corporation. (See Robinson, Charles A., assignor.)
United States Envelope Company. (See Hakanson, Axel H., assignor.)
Universal Oil Products Company. (See Mattox, W. J., and Benedict, assignors.)
Universal Oil Products Company. (See Schmerling, L., and Durinski, assignors.)
Urbany, Urban, San Diego, Calif. Footwear sole. 2,365,027; Dec. 12.
Vahlteich, Hans W., Edwater, and R. H. Neal, Jersey City, N. J., assignors, by mesne assignments, to The Best Foods, Inc., New York, N. J. Nickel catalyst. 2,365,125; Dec. 12.
Van Damme, Eugene, Richmond Hill, N. Y., by judicial change of name E. Vannee. Air raid black-out box. 2,364,831; Dec. 12.
Vannee, Eugene. (See Van Damme, Eugene.)
Velt, Hermann E. (See Buchal, W., and Velt.)
Veselý, Josef, Brunn, Czechoslovakia; vested in the Alien Property Custodian. Cartridge belt. 2,365,028; Dec. 12.
Vickers, Harry F., and R. C. Griffith, assignors to Vickers Incorporated, Detroit, Mich. Power transmission. 2,365,126; Dec. 12.
Vickers Incorporated. (See Gauld, John, assignor.)
Vickers Incorporated. (See Miller, R. S. and Zintz, assignors.)
Vickers Incorporated. (See Vickers, H. F., and Griffith, assignors.)
Vico Products Company. (See Maizel, Ben, assignor.)
Vittum, Paul W., W. D. Peterson, and H. D. Porter, assignors to Eastman Kodak Company, Rochester, N. Y. Color forming compounds containing sulphonamide groups. 2,364,676; Dec. 12.
Vondrak, Joseph, New York, and E. Weissbard, Brooklyn, N. Y. Adjustable clothes hanger. 2,364,931; Dec. 19.
Voorhies, Alexis, Jr., Baton Rouge, La., assignor to Standard Catalytic Company. Refining mineral oil. 2,365,029; Dec. 12.
Vose, Gardner W., Painesville, Ohio, assignor to Diamond Alkali Company, Pittsburgh, Pa. Purifying aqueous alkali metal hydroxides. 2,364,882; Dec. 12.
Voss, Edward W. (See Shields, William D., assignor.)
Wabash Fibre Box Company, The. (See Tichenor, Harold D., assignor.)
Wagner Electric Corporation. (See Schnell, Steve, assignor.)
Wagner, Paul R., San Diego, Calif. Conflagration retardative curtain. 2,365,127; Dec. 12.
Wahl, Albert G., Los Angeles, Calif. Garment hanger. 2,364,883; Dec. 12.
Wahl, Fred R., Chicago, Ill. Square hole drill. 2,365,128; Dec. 12.
Wakefield, Walter H. (See Jennings, V. H., and Wakefield.)
Walworth Patents Inc. (See Mattimore, John D., assignor.)
Walworth Patents Inc. (See Trott, Arthur J., assignor.)
Warner, Douglas K., Sarasota, Fla. Skimming and flying vehicle. 2,364,676; Dec. 12.
Warner, Douglas K., Sarasota, Fla. Compression airplane. 2,364,677; Dec. 12.
Warner, Homer C., and C. H. Schurr, assignors to The Lees-Bradner Company, Cleveland, Ohio. Machine tool. 2,364,932; Dec. 12.
Waugh, Stanley P. (See Churchill, L. R., Schott, and Waugh.)
Webb, Walter H. (See Amer, D. F., and Webb.)
Wean Engineering Company, The. (See Keller, John D., assignor.)
Weckerly, Mark A., assignor to Toledo Scale Company, Toledo, Ohio. Classifying scale. 2,364,832; Dec. 12.
Weijlard, John, Westfield, N. J., and A. E. Erickson, Brooklyn, N. Y., assignors to Merck & Co., Inc., Rahway, N. J. N-allylnormorphine and its production. 2,364,833; Dec. 12.
Weimer, William H., North Prairie, assignor to Davis & Thompson Company, West Allis, Wis. Work clamping means for machine tools. 2,364,884; Dec. 12.
Weinberg, Mauric J., New York, N. Y. Butter chip maker. 2,364,885; Dec. 12.
Weissbard, Edward. (See Vondrak, J., and Weissbard.)
Weisz, Wilbur M., and E. H. Royse, Dallas, Tex. Camping device. 2,365,030; Dec. 12.
Western Electric Company. (See Brooks, Robert E., assignor.)
Western Electric Company. (See Franz, Erwin E., assignor.)
Western Electric Company. (See Larsen, E. J., and Nelson, assignors.)
Western Electric Company. (See Nelson, Oscar G., assignor.)
Western Electric Company. (See Rayburn, Vincent A., assignor.)
Western Lithograph Company. (See Otto, Edgar W., assignor.)
Western Union Telegraph Company, The. (See Ridings, G. H., and Wise, assignors.)
Westinghouse Electric & Manufacturing Company. (See Huber, John J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Koch, Gustav H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Schwendner, A. F., and Newton, assignor.)
Whistler, Lawrence V. and S. A., Kenmore, N. Y. Punch and die assembly. 2,364,834; Dec. 12.
Whistler, Lawrence V. and S. A., Kenmore, N. Y. Shearing and forming knockouts. 2,364,835; Dec. 12.
Whistler, Sanford A. (See Whistler, Lawrence V. and S. A.)
White Cap Company. (See White, Philip O., assignor.)
White, Philip O., assignor to White Cap Company, Chicago, Ill. Package. 2,364,678; Dec. 12.
Whitehead, Earl B., assignor to Normain Corporation, Norwich, Conn. Bird cage. 2,364,836; Dec. 12.
Whiting Corporation. (See McGlone, J. J., and Anderson, assignors.)
Wichorek, Edmund F., Cleveland, Ohio, assignor to Pesco Products Co. Pump shaft seal assembly. 2,365,146; Dec. 12.

Wickens, Edward F., Phillipsburg, N. J., assignor to Ingersoll-Rand Company, New York, N. Y. Locking device. 2,365,031; Dec. 12.
Wild-Barfield Electric Furnaces Limited. (See Haywood, Frederick W., assignor.)
Wilkinson, Hall W., San Jose, Calif. Eye pad. 2,365,032; Dec. 12.
Wilks, Roy C., Nathalia, Victoria, Australia. Tuning means for radio receivers and the like. 2,364,764; Dec. 12.
Williams, Lawrence S., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale. 2,364,837; Dec. 12.
Williams, Milton, Houston, Tex., assignor to Standard Oil Development Company. Gravel packing of wells. 2,365,033; Dec. 12.
Williams, Robert L., Newton, assignor to Submarine Signal Company, Boston, Mass. Apparatus for submarine signaling. 2,364,679; Dec. 12.
Williams, Sumner H., Charlotte, N. C. Apparatus for treating material. 2,364,838; Dec. 12.
Williams, William D. (See Kassay, A. W., Balz, and Williams.)
Willys-Overland Motors, Inc. (See Peters, Otto A., assignor.)
Wimmer, Ludwig. (See Rideout, A. E., McFaull, and Wimmer.)
Winding, Arthur, Milwaukee, Wis. Built-up roof. 2,365,129; Dec. 12.
Wirtz, Fred, St. Louis, Mo., assignor to Burdick-Baron Company, Dallas, Tex. Display and advertising sign. 2,365,034; Dec. 12.
Wise, Raleigh J. (See Ridings, G. H., and Wise.)
Wolf Brothers. (See Wolf, Howard A.)
Wolf, Elias, et al. (See Wolf, Howard A., assignor.)
Wolf, Howard A., et al. (See Wolf, Howard A., assignor.)
Wolf, Howard A., assignor to L., E., H. A., and W. L. Wolf, co-partners doing business as Wolf Brothers, Philadelphia, Pa. Paper bag. 2,364,886; Dec. 12.
Wolf, Louis, et al. (See Wolf, Howard A., assignor.)
Wolf, Walter L., et al. (See Wolf, Howard A., assignor.)
Wolfner, William F., II, Methuen, assignor to Photoswitch Incorporated, Cambridge, Mass. Timer. 2,364,680; Dec. 12.
Woodall-Duckman (1920) Limited. (See Chadder, William J., assignor.)
Wray, Robert J., Modesto, Calif. Plow. 2,364,887; Dec. 12.
Wright, Evan H. (See Roeder, D., and Wright.)
Wright, Russell B., Washington, D. C. Pendulum support. 2,364,681; Dec. 12.
Youker, Mortimer A., Gordon Heights, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Accelerating the polymerization of haloprenes. 2,365,035; Dec. 12.
Young, Betty J., et al. (See Young, William D., assignor.)
Young, Charles A., Springfield, Ohio. Firearm. 2,365,036; Dec. 12.
Young, Dorothy R., et al. (See Young, William D., assignor.)
Young, Jean A., et al. (See Young, William D., assignor.)
Young, L. A., Spring & Wire Corporation. (See Clark, William A.)
Young, Nancy L., et al. (See Young, William D., assignor.)
Young, William D., Greenville, S. C., assignor of ten per cent to T. B. Taylor, and ten per cent to M. S. Taylor, Port Washington, N. Y., fifteen per cent to D. R. Young, Greenville, S. C., twenty per cent to A. C. Kingston, Belmont, Mass., ten per cent to B. J. Young, ten per cent to J. A. Young, ten per cent to N. L. Young, Greenville, S. C., and one per cent to E. Richter, Montclair, N. J. Making bandages and the like. 2,364,839; Dec. 12.
Zalkind, Philip, New York, N. Y. Container and parts thereof. 2,364,765; Dec. 12.
Zalkind, Philip, New York, N. Y. Container and parts therefor. 2,364,766; Dec. 12.
Zane, William F., La Grange, Ill., and G. W. Baughman, assignors to The Union Switch and Signal Company, Swissvale, Pa. Railway signaling system. 2,364,840; Dec. 12.
Zatsky, Israel. (See Frankel, M., and Zatsky.)
Ziegler, Wallace E., Philadelphia, Pa. Hose-coupling inserting machine. 2,364,682; Dec. 12.
Zimmer, John C., Union, and A. J. Morway, Clark Township, Union County, N. J., assignors to Standard Oil Development Company. Preparing aluminum soap greases. 2,365,037; Dec. 12.
Zintz, Howard C. (See Miller, R. S., and Zintz.)
Zizinia, Paul T., Belmar, and T. L. McKenna, Newark, N. J., assignors to Allied Chemical & Dye Corporation. Detergent composition. 2,364,767; Dec. 12.
Znamierowski, Louis J., Philadelphia, Pa. Automatic oiler for caliber .50 cartridge cases for tapering machines. 2,364,683; Dec. 12.
Zulficar, Mohamed A., London, England. Scoring device for the game of bridge. 2,365,130; Dec. 12.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 12TH DAY OF DECEMBER, 1944

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Hydraulic clutch. A. N. Thomas. Re. 22,577; Dec. 12.
Photoprinting device. A. L. Creange. Re. 22,575; Dec. 12.
Piano. A. M. Tyson. Re. 22,578; Dec. 12.
Signal-translating stage, High-frequency. R. L. Freeman. Re. 22,576; Dec. 12.

LIST OF DESIGN INVENTIONS

Airplane. A. Kartveli and M. Berkow. 139,729; Dec. 12.
Band for a wrist watch or similar article. A. Adler. 139,740; Dec. 12.
Brooch or similar article. A. Katz. 139,688–90; Dec. 12.
Brooch, Separable. A. Katz. 139,691–2; Dec. 12.
Bulb and stand, Combined reflector. R. Wagner. 139,715; Dec. 12.
Bureau or similar article, Miniature. N. Hyman. 139,706; Dec. 12.
Case for meters or similar article. R. T. Oelrich. 139,694; Dec. 12.
Clasp for a handbag or similar article. J. De Pasquale and A. Westerman. 139,683; Dec. 12.
Comb. J. Jackson. 139,728; Dec. 12.
Comb. R. L. Motley. 139,693; Dec. 12.
Comb, razor, and rule, Combined. V. R. Pileggi. 139,696; Dec. 12.
Commode, Infant's. J. Pannhausen and C. A. Raabe. 139,711; Dec. 12.
Curler, Hair. S. Grant. 139,684; Dec. 12.
Drawer unit for rotary storage bins. A. W. Mueller. 139,710; Dec. 12.
Dress. Z. Golden. 139,734–8; Dec. 12.
Dress. K. Rost. 139,732; Dec. 12.
Dress. J. Walker. 139,733; Dec. 12.
Dress, Sun-back. T. Leser. 139,739; Dec. 12.
Dresser, vanity, and desk, Combination. A. C. Rindskopf. 139,714; Dec. 12.
Earring. A. Katz. 139,686–7; Dec. 12.
Fabric, Embroidered. L. H. Hollander. 139,685; Dec. 12.
Fabric or similar article, Textile. C. Rosenstein. 139,723–7; Dec. 12.
Gauge, Spring testing. R. E. Conover. 139,703; Dec. 12.
Handbag. E. de Kolb. 139,680–2; Dec. 12.
Handbag. F. H. Rath. 139,697–8; Dec. 12.
Hanger, Child's garment. I. Rappaport. 139,713; Dec. 12.
Hearing aid unit. H. W. Darr. 139,704; Dec. 12.
Holder or similar article of manufacture, Soap and brush. G. E. White. 139,716–17; Dec. 12.
Lettering device, Adjustable. J. A. Truhon. 139,700; Dec. 12.
Molding machine. R. R. Kilburn and B. D. Ashbaugh. 139,721; Dec. 12.
Motor for operating movable parts of an airplane. R. M. Heintz. 139,720; Dec. 12.
Pin or similar article. M. Boucher. 139,674–8; Dec. 12.
Pin, Brooch. A. Philippe. 139,695; Dec. 12.
Plastic unit for use on handbags or the like. I. M. Robbins. 139,699; Dec. 12.
Rack, Tie. W. G. Williams. 139,718; Dec. 12.
Ring, Finger. L. Blum. 139,731; Dec. 12.
Sewing machine. M. S. Park. 139,712; Dec. 12.
Shackle, Poultry. J. F. Bilek. 139,673; Dec. 12.
Signal and switch, Combined direction indicating. P. Benoit. 139,701; Dec. 12.
Skirt. T. Leser. 139,709; Dec. 12.
Sprinkler, Lawn. J. V. Walsh. 139,722; Dec. 12.
Stepladder, ironing board, table, chair, book and shoe rack, baby's high chair and utility cabinet, Combined. S. Lapin. 139,708; Dec. 12.
Stool, Milking. E. J. Castle. 139,702; Dec. 12.
Suit. M. Frascino. 139,705; Dec. 12.
Table and seat or the like, Combined child's play. C. Mathisson. 139,730; Dec. 12.
Table or the like, Smoker's. P. A. Davis. 139,719; Dec. 12.
Toy gun. S. E. Dahlquist. 139,679; Dec. 12.
Truck for golf clubs, Hand. A. H. Jessen. 139,707; Dec. 12.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 12TH DAY OF DECEMBER, 1944

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Accounting machine. W. A. Anderson. 2,364,769; Dec. 12.
Accumulator, Electric. R. Gray. 2,364,896; Dec. 12.
Acidic minerals, Benefication of. D. W. Jayne, Jr., H. M. Day, and E. W. Gieseke. 2,365,084; Dec. 12.
Adjustable clothes hanger. J. Vondrak and E. Weissbard. 2,364,931; Dec. 12.
Aerating device for fish containers. J. F. Balisteri and K. H. O'Rear. 2,364,886; Dec. 12.
Aerial propulsion. R. Stevenson. 2,364,672; Dec. 12.
Air brake. H. N. Sudduth. 2,364,927; Dec. 12.
Airplane. V. N. Di Vozzi. 2,364,956; Dec. 12.
Airplane, Compression. D. K. Warner. 2,364,677; Dec. 12.
Air raid black-out box. E. Van Damme. 2,364,931; Dec. 12.
Alkali metal hydroxides, Purifying aqueous. G. W. Vose. 2,364,882; Dec. 12.
Alternating current electric circuit breaker of the gas-blast type. D. F. Amer and W. H. Webb. 2,365,131; Dec. 12.
Alternating current supply. F. P. Mason. 2,364,802; Dec. 12.
Amusement or instruction device. N. Eastman. 2,364,699; Dec. 12.
Analysis method for geochemical exploration. G. L. Hassler. 2,364,898; Dec. 12.
Anchor, Boat. H. Behrens. 2,365,136; Dec. 12.
Angle shrinker. C. L. Beard. 2,364,938; Dec. 12.
Aniseikonia determining and measuring device. H. L. Fuog. 2,364,844; Dec. 12.
Apparatus for arc welding. E. A. Smith. 2,364,826; Dec. 12.
Apparatus for coating fluorescent lamps. A. E. Kulberg and C. L. Albright. 2,364,798; Dec. 12.
Apparatus for crowning gear teeth. J. M. Christman. 2,364,947; Dec. 12.
Apparatus for drilling rate logging. D. Silverman and R. W. Stuart. 2,365,014; Dec. 12.
Apparatus for refrigeration systems. W. A. Sisson. 2,364,669; Dec. 12.
Apparatus for seismograph prospecting. O. F. Ritzmann. 2,364,755; Dec. 12.
Apparatus for submarine signaling. R. L. Williams. 2,364,679; Dec. 12.
Apparatus for treating material. S. H. Williams. 2,364,838; Dec. 12.
Apparatus for treating strands. V. A. Rayburn. 2,364,752; Dec. 12.
Apparatus for unloading wheeled vehicles of the bottom-discharge type. H. F. H. Shields. 2,364,876; Dec. 12.
Apparatus for welding. M. S. Clark. 2,365,148; Dec. 12.
Arch supports. A. Uger. 2,365,124; Dec. 12.
Armored cable cutter. R. Martines. 2,364,801; Dec. 12.
Article handling mechanism. C. Z. Monroe. 2,364,868; Dec. 12.
Articles made of light metals, Protecting. J. Frasch. 2,364,964; Dec. 12.
Assembling apparatus. R. E. Brooks. 2,364,689; Dec. 12.
Assembly tool. C. W. Gilligan. 2,364,630; Dec. 12.
Atomizer for carburetors. H. F. Lee. 2,364,987; Dec. 12.
Attaching means. P. B. Burrus. 2,364,599; Dec. 12.
Attachment for drills. J. E. Bovee. 2,364,688; Dec. 12.
Attachment for heel-nailing machines. C. M. De Wolfe. 2,365,060; Dec. 12.
Attachment for plows, Weed destroying. H. J. McLary. 2,364,862; Dec. 12.
Automatic arc striking starter circuit. K. E. Shaffer. 2,364,920; Dec. 12.
Bag: *See*—
Paper bag.
Bag for infusing material. S. R. Howard. 2,364,903; Dec. 12.
Balancing machine. J. J. Guest. 2,365,070; Dec. 12.
Ball, Golf. W. H. Diddel. 2,364,955; Dec. 12.
Bandages and the like, Making. W. D. Young. 2,364,839; Dec. 12.
Bank and turn indicator. L. Hammond. 2,364,972; Dec. 12.
Basket structure. J. Geralds. 2,364,705; Dec. 12.
Bearing. F. R. Hansel. 2,364,713; Dec. 12.
Bellows for valve structures. G. T. Downey. 2,365,063; Dec. 12.
Belt, Cartridge. J. Vesely. 2,365,028; Dec. 12.
Binder, Loose leaf. C. T. Cadwallader. 2,364,890; Dec. 12.
Binder, Loose-leaf. L. Lichtenstein. 2,364,859; Dec. 12.
Blade, Propeller. R. H. Hasler. 2,364,635; Dec. 12.
Blotter, Ink. M. Berg. 2,364,773; Dec. 12.

Bobbin selector mechanism for weft replenishing looms. V. H. Jennings. 2,364,978; Dec. 12.
Bomb release mechanism. W. Buchal and H. E. Veit. 2,365,049; Dec. 12.
Bonding sheet material. H. Boeddinghaus. 2,364,616; Dec. 12.
Boots and similar articles of footwear, Making. F. F. Olson. 2,365,103; Dec. 12.
Bottle container. G. F. Richter. 2,364,753; Dec. 12.
Bottleholder. H. K. Powell. 2,364,650–1; Dec. 12.
Box: *See*—
Air raid black-out box.
Box. H. D. Tichenor. 2,364,829; Dec. 12.
Box and handle therefor. R. A. Bruner. 2,364,690; Dec. 12.
Brake: *See*—
Air brake.
Brake for axminster loom pull-over shafts. N. Fletcher and W. Y. Robb. 2,364,703; Dec. 12.
Brake shoe adjusting mechanism. S. Schnell. 2,364,664; Dec. 12.
Brassière. M. H. Hatton. 2,364,899; Dec. 12.
Broaching machine. W. D. Averill and A. L. Hamelberg. 2,365,040; Dec. 12.
Buffer assembly. D. D. Bryant. 2,364,945; Dec. 12.
Builder mechanism. F. M. Roddy. 2,364,819; Dec. 12.
Building construction. W. Neff. 2,365,145; Dec. 12.
Bullet, Explosive. R. N. Nelson. 2,364,646; Dec. 12.
Burner: *See*—
Solid fuel burner.
Butter chip maker. M. J. Weinberg. 2,364,885; Dec. 12.
Cable needle for knitting. S. E. Palliser. 2,364,649; Dec. 12.
Cage, Bird. E. B. Whitehead. 2,364,836; Dec. 12.
Calculating machine. R. E. Baldwin. 2,364,934; Dec. 12.
Camera construction. G. B. Pollock. 2,364,652; Dec. 12.
Camping device. W. M. Weisz and E. H. Royse. 2,365,030; Dec. 12.
Can-handling machine. A. E. Rideout, M. McFaull, and L. Wimmer. 2,365,007; Dec. 12.
Can treating apparatus. E. E. Hageline. 2,364,971; Dec. 12.
Cap: *See*—
Core cap.
Cap or closure for containers, Dispensing. E. A. Rogers. 2,365,110; Dec. 12.
Carbon article, Preparation of shaped. E. R. Cole. 2,365,055; Dec. 12.
Carbon monoxide with hydrogen into hydrocarbons, Conversion of. W. Michael and A. Buettner. 2,365,094; Dec. 12.
Cardboard novelty. E. Nudelman. 2,365,098; Dec. 12.
Carrier: *See*—
Rotary slide carrier.
Cartridge belt, Machine gun. J. A. Otterbein. 2,364,997; Dec. 12.
Cartridge, Repackable adjustable oil filter. C. M. Bolser. 2,364,617; Dec. 12.
Catalyst production. M. H. Gwynn. 2,364,970; Dec. 12.
Cathode ray tube and light beam control means. R. E. Ricketts. 2,365,006; Dec. 12.
Chair construction. J. B. O'Connor. 2,364,647; Dec. 12.
Change-speed mechanism. R. B. Pressler. 2,364,915; Dec. 12.
Check for looms, Picker. H. M. Phillips. 2,364,914; Dec. 12.
Cigarette holder. A. Di Rubbio. 2,365,061; Dec. 12.
Circuit: *See*—
Automatic arc striking starter circuit.
Electric control circuit.
Vacuum tube voltmeter circuit.
Circulator, Air. W. Bandurski. 2,364,935; Dec. 12.
Citric acid by fermentation, Production of. W. Eirenman and M. D. Blumenfeld. 2,364,701; Dec. 12.
Clamp: *See*—
Hose clamp.
Tire vulcanizing clamp.
Cleaner: *See*—
Suction cleaner.
Cleaner for soldering irons. A. Sturtevant. 2,365,022; Dec. 12.
Cleaning apparatus. E. E. Franz. 2,364,704; Dec. 12.
Cleaning compositions for rugs, upholstery, furs, and the like. G. H. Edwards. 2,364,608; Dec. 12.
Clinkering coal and producing same. E. Swartzman. 2,364,828; Dec. 12.
Clothes support. B. E. Lloyd. 2,364,860; Dec. 12.
Clutch: *See*—
Hydraulic clutch.
Clutch. G. J. Meyer. 2,365,093; Dec. 12.
Clutch and bearing, Combined one-way. A. Y. Dodge. 2,365,062; Dec. 12.

Coated flatting agent and making the same. I. Auer. 2,364,611; Dec. 12.
Coin-controlled facsimile system. G. H. Ridings and R. J. Wise. 2,364,754; Dec. 12.
Coin-controlled machine, Free service. H. S. Benjamin. 2,364,939; Dec. 12.
Collapsible seat. W. H. Reinholz. 2,365,003; Dec. 12.
Collapsible support. H. C. Johansen. 2,364,851; Dec. 12.
Color forming compounds containing sulphonamide groups. P. W. Vittum, W. D. Peterson, and H. D. Porter. 2,364,675; Dec. 12.
Colored article and making the same. T. C. Morris. 2,364,744; Dec. 12.
Combination display and liquid perfume or deodorant indicator. G. W. Frazer. 2,364,843; Dec. 12.
Comparator, Surface finish. E. J. Almquist. 2,364,609; Dec. 12.
Compass unit. L. C. Miller. 2,364,908; Dec. 12.
Compensator, Hysteresis. W. A. Ray. 2,364,917; Dec. 12.
Concrete form material. R. D. Behm. 2,364,772; Dec. 12.
Condensation products of phenols and phenolic ethers, and preparing the same. M. T. Harvey. 2,364,712; Dec. 12.
Conductors of coaxial electrical transmission lines, Connecting means for. W. A. Bruno. 2,365,048; Dec. 12.
Constituent in a fluid, Estimation of a. F. W. Haywood. 2,364,789; Dec. 12.
Construction for heat-transfer reduction. C. Durham. 2,364,961; Dec. 12.
Container: *See*—
Bottle container.
Fish lure container.
Key opening container.
Multiple container.
Portable container.
Rip strip container.
Container. F. L. Brandt. 2,364,943; Dec. 12.
Container and parts therefor. P. Zalkind. 2,364,766; Dec. 12.
Container and parts thereof. P. Zalkind. 2,364,765; Dec. 12.
Control device. W. A. Ray. 2,364,659; Dec. 12.
Control device for duplicating machines. O. E. Rosen. 2,364,873; Dec. 12.
Control for riveting devices. O. A. Peters. 2,364,750; Dec. 12.
Control for stop clocks, Remote. E. J. Lassieur. 2,364,856; Dec. 12.
Control of variable physical conditions, Automatic. H. W. Ibbott. 2,364,718; Dec. 12.
Cooler: *See*—
Milk cooler.
Copper or copper alloy surfaces, Blackening. W. R. Meyer. 2,364,993; Dec. 12.
Core cap. S. N. Daley. 2,364,953; Dec. 12.
Counterbalance. A. Hicks. 2,364,901; Dec. 12.
Coupling: *See*—
Shaft coupling.
Crash plane. P. Mayhew. 2,364,803; Dec. 12.
Crossbar switch. C. Gillings and L. J. Murray. 2,364,706; Dec. 12.
Curer, Tobacco. J. A. Tharrington. 2,365,119; Dec. 12.
Curing machine. R. K. Lee. 2,364,858; Dec. 12.
Curler, Hair. D. Archer. 2,364,596; Dec. 12.
Curler, Hair. M. Frankel and I. Zatsky. 2,364,895; Dec. 12.
Curtain, Conflagration retardative. P. R. Wagner. 2,365,127; Dec. 12.
Cutter: *See*—
Armored cable cutter.
Cutting machine. A. Laukhuff. 2,364,985; Dec. 12.
Cutting torch machine. C. Mott and A. F. Chouinard. 2,364,644; Dec. 12.
Cyanidation method and apparatus. L. D. Mills, T. B. Crowe, and R. E. Byler. 2,364,867; Dec. 12.
Daylight lamp. W. H. Glover. 2,364,707; Dec. 12.
Degreasing apparatus. M. Heller. 2,364,976; Dec. 12.
Destructible form. L. L. Greneker. 2,364,710; Dec. 12.
Detergent composition. P. T. Zizinia and T. L. McKenna. 2,364,767; Dec. 12.
Device for dislodging valve assemblies of internal-combustion engines. A. J. Taylor. 2,365,023; Dec. 12.
Device to hold radio programs. R. Le Bourgeois. 2,365,089; Dec. 12.
Diagnostic instrument. W. F. Peck and A. A. Gradisar. 2,365,104; Dec. 12.
Die retainer. A. O. McCollum. 2,364,733; Dec. 12.
Dielectric materials with high frequency. C. B. Heming. 2,364,790; Dec. 12.
Difluoralkane. M. W. Renoll. 2,364,818; Dec. 12.
Digger, Trench. M. Proctor and W. R. Proctor. 2,364,657; Dec. 12.
Display and advertising sign. F. Wirtz. 2,365,034; Dec. 12.
Display device. F. and E. Parr. 2,364,999; Dec. 12.
Display device, Advertising. H. H. Hall. 2,364,786; Dec. 12.
Distributor. R. M. Hardgrove. 2,364,633; Dec. 12.
Diversity receiving system. M. G. Crosby. 2,364,952; Dec. 12.
Door handle and latch. R. Koehler. 2,364,795; Dec. 12.
Drafting instrument and the like. J. Nash. 2,364,805; Dec. 5.
Drill: *See*—
Square hole drill.
Drill, Square hole. F. R. Wahl. 2,365,128; Dec. 12.
Drive mechanism. F. R. McFarland. 2,364,988; Dec. 12.
Drive, Shuttle. S. Levine. 2,365,090; Dec. 12.
Driving mechanism. F. O. Stebbins. 2,365,018; Dec. 12.
Droppable gasoline tank. M. W. Humphreys. 2,365,080; Dec. 12.
Duplicating machine. C. H. Bradt. 2,364,942; Dec. 12.
Dyestuffs, Improving the dyeings and prints prepared with water-soluble. A. Landolt and A. Ruperti. 2,364,725–6; Dec. 12.
Dynamoelectric machine. F. H. Andrix. 2,364,933; Dec. 12.
Ear ornament, Nonmetallic cling. C. Rich. 2,364,872; Dec. 12.
Electric circuit breaker. G. E. Jansson. 2,365,082; Dec. 12.
Electric circuit breaker and operating the same. D. Journeaux. 2,364,981; Dec. 12.
Electric circuit breaker of the gas-blast type. D. F. Amer. 2,365,134; Dec. 12.
Electric circuit breaker of the gas-blast type. D. F. Amer and A. Rawling. 2,365,132; Dec. 12.
Electric circuit breaker of the gas-blast type. D. F. Amer and W. H. Webb. 2,365,133; Dec. 12.
Electric control circuit. H. L. Palmer and E. D. Schneider. 2,364,998; Dec. 12.
Electric furnace machine. H. A. Strickland, Jr. 2,365,021; Dec. 12.
Electric stop motion for axminster looms. W. Y. Robb. 2,365,008; Dec. 12.
Electric switch. T. W. Thirlwell. 2,365,120; Dec. 12.
Electric windshield wiper. G. E. Coxon and W. H. Farr. 2,364,603; Dec. 12.
Electrical apparatus. F. R. Strafford. 2,365,118; Dec. 12.
Electrical conductor. D. Finlayson. E. L. Greenwood, and W. J. Simpson. 2,364,702; Dec. 12.
Electrical meter. G. H. Klay and F. J. Lingel. 2,364,724; Dec. 12.
Electrical surveying. N. Douglas. 2,364,957; Dec. 12.
Electrode, Composite. A. F. Meston. 2,364,641; Dec. 12.
Electron discharge device. O. H. Schade. 2,364,761; Dec. 12.
Eliminator, Cord stretch. O. D. Grimes. 2,365,069; Dec. 12.
Engine. W. G. Gernandt. 2,364,629; Dec. 12.
Engine. La V. B. Ragsdale. 2,364,658; Dec. 12.
Engine control. D. Roeder and E. H. Wright. 2,364,662; Dec. 12.
Envelope. A. H. Hakanson. 2,364,711; Dec. 12.
Escapement mechanism. R. T. Pollock and O. C. W. Henze. 2,364,653; Dec. 12.
Ethers. F. C. McGrew. 2,364,737; Dec. 12.
Extraction column. J. C. Elgin. 2,364,892; Dec. 12.
Eye pad. H. W. Wilkinson. 2,365,032; Dec. 12.
Eye-testing apparatus. F. W. Jobe and H. W. Trost. 2,364,793; Dec. 12.
Eye-testing device. J. W. Smith. 2,364,827; Dec. 12.
F-M control track operation. E. W. Kellogg. 2,364,723; Dec. 12.
Fastener: *See*—
Resilient fastener.
Fastener for hinged tail gates, Multiple position. B. W. Olson. 2,364,648; Dec. 12.
Fastening device. R. A. Hartman. 2,364,846; Dec. 12.
Fastening device. G. A. Tinnerman. 2,364,880; Dec. 12.
Faucet, Beer. J. E. and A. E. Rosander. 2,364,820; Dec. 12.
Feed mechanism for grinding machines. J. Decker. 2,365,059; Dec. 12.
Feed, Work. B. and T. Grob. 2,364,969; Dec. 12.
Fence installation, Electrified. S. A. Moore. 2,364,994; Dec. 12.
Filing cabinet follower. J. W. and G. N. Paxton and I. R. Cornish. 2,364,912; Dec. 12.
Film rack. E. W. Cooper. 2,364,891; Dec. 12.
Firearm. G. H. Lanchester. 2,365,087; Dec. 12.
Firearm. R. J. Turner. 2,365,142; Dec. 12.
Firearm. C. A. Young. 2,365,036; Dec. 12.
Fish lure container. L. Nelson, Jr. 2,364,807; Dec. 12.
Fishing rods, Making. E. D. Ibbotson and E. Schmidt. 2,364,849; Dec. 12.
Fixture, Illuminating. K. P. Kallman. 2,364,854; Dec. 12.
Fixture, Lamp. R. G. Maurette. 2,364,992; Dec. 12.
Flotation and antidrag system, Pneumatic. W. R. Glen. 2,364,845; Dec. 12.
Flour, Producing fine wood. A. W. Kassay, E. H. Balz, and W. D. Williams. 2,364,721; Dec. 12.
Flow meter. J. L. Turner. 2,364,930; Dec. 12.
Fluid conduit closure. R. O. Powers. 2,365,001; Dec. 12.
Fluid motor. E. C. Horton and A. Rappl. 2,364,715; Dec. 12.
Fluid pressure gauge. E. E. Simmons, Jr. 2,365,015; Dec. 12.
Footwear, Article of. H. L. Sutcliffe. 2,364,763; Dec. 12.
Frame: *See*—
Range frame.
Fuel and breaking in internal-combustion engines, Break-in. W. M. Malott. 2,364,990; Dec. 12.
Fuel atomizing device. J. H. Huss. 2,364,717; Dec. 12.
Fuel cutoff for heating appliances, Safety. R. Martin. 2,365,092; Dec. 12.
Fuse device. W. O. Schultz. 2,365,113; Dec. 12.
Fuel system. R. R. Curtis. 2,364,605; Dec. 12.
Fuels, Leaded motor. E. C. Shokal. 2,364,921; Dec. 12.

Fuels, Motor. A. E. Robertson. 2,365,009; Dec. 12.
Fungicidal materials. G. H. Coleman and G. A. Griess. 2,365,057; Dec. 12.
Game apparatus. R. K. Plummer, L. M. Hamlet, and T. A. Blank. 2,364,814; Dec. 12.
Garment hanger. G. Bushko. 2,364,619; Dec. 12.
Garment hanger. A. G. Wahl. 2,364,883; Dec. 12.
Gas analysis and combustion chamber therefor. C. C. Bles. 2,364,940; Dec. 12.
Gauge: *See*—
Fluid pressure gauge.
Generator: *See*—
Harmonic generator.
Ultra high frequency generator.
Geologic structures, Determining permeability of. J. J. Heigl and L. R. Hodell. 2,364,975; Dec. 12.
Geophysical exploration. H. H. Pratley. 2,364,655; Dec. 12.
Girdle or the like. A. N. Spanel. 2,365,016; Dec. 12.
Glass articles, Method of and apparatus for tempering hollow. C. E. Mongan, Jr. 2,365,138; Dec. 12.
Glass forming apparatus. W. P. Stuckert and H. H. Snyder. 2,364,673; Dec. 12.
Glove. T. C. O'Connell. 2,364,749; Dec. 12.
Governor and power take-off unit. A. Kalin. 2,364,853; Dec. 12.
Governor apparatus. A. F. Schwendner and J. S. Newton. 2,364,665; Dec. 12.
Grading machine. J. Gouldbourn. 2,364,708; Dec. 12.
Grapple, Hoist. W. M. Grigsby. 2,364,897; Dec. 12.
Gravel packing of wells. M. Williams. 2,365,033; Dec. 12.
Grinder. D. H. Montgomery and L. R. Kirk. 2,364,804; Dec. 12.
Grinder, Rail. H. H. Talboys and H. E. Erickson. 2,364,879; Dec. 12.
Guard for ships and the like. G. C. Fuller. 2,365,066; Dec. 12.
Gun sight, Automatic overlead. M. L. Moremen. 2,365,144; Dec. 12.
Gun turret mounting. A. Corte. 2,364,951; Dec. 12.
Haloprenes, Accelerating the polymerization of. M. A. Youker. 2,365,035; Dec. 12.
Hanger: *See*—
Adjustable clothes hanger. Plate hanger.
Garment hanger.
Harmonic generator. W. V. B. Roberts. 2,364,756; Dec. 12.
Harness, Loom. J. J. Kaufmann. 2,364,982; Dec. 12.
Harness, Snowshoe. E. J. Balcomb. 2,365,041; Dec. 12.
Heading machines, Protective system. E. W. Huebner and L. E. Peterson. 2,364,716; Dec. 12.
Heat-treating apparatus. H. E. Somes. 2,364,924; Dec. 12.
Heat-treating gear and the like. F. S. Denneen and W. C. Dunn. 2,364,623; Dec. 12.
Heater: *See*—
Water heater.
Heating apparatus. J. Davin. 2,364,698; Dec. 12.
Heterodyne eliminator. J. L. A. McLaughlin. 2,364,863; Dec. 12.
Hinge structure. J. E. Bales. 2,364,612; Dec. 12.
Hobbing machine. J. Cetrule. 2,364,694; Dec. 12.
Hoist, Power-operated. J. Sully. 2,365,141; Dec. 12.
Holder: *See*—
Cigarette holder.
Hood, Tank hatch. D. R. Stamy, C. E. Fisher, and J. R. Finn. 2,364,671; Dec. 12.
Hormone, Isolating the lactation-promoting. K. Junkmann and R. Tschesche. 2,364,852; Dec. 12.
Horsepower and horsepower factors, Indicating. N. L. Haight. 2,365,073; Dec. 12.
Hose clamp. V. E. Sprouse. 2,365,017; Dec. 12.
Hose-coupling inserting machine. W. E. Ziegler. 2,364,682; Dec. 12.
Hose, Repairing rubber. J. A. Osella. 2,364,911; Dec. 12.
Hydraulic control system. R. L. Levy. 2,365,091; Dec. 12.
Hydrocarbons, Hydrogenated liquid. R. L. Jenkins. 2,364,719; Dec. 12.
Hydrocarbons, Treatment of. W. J. Mattox and W. L. Benedict. 2,364,739; Dec. 12.
Hydrocarbons, Treatment of aromatic. L. Schmerling and A. M. Durinski. 2,364,762; Dec. 12.
Illuminated sign. T. W. Haywood, Jr. 2,365,076; Dec. 12.
Incubator. J. S. Kazantzeff. 2,364,722; Dec. 12.
Indicator: *See*—
Bank and turn indicator.
Combination display and liquid perfume or deodorant indicator.
Insecticidal and fungicidal materials. G. H. Coleman and G. A. Griess. 2,365,056; Dec. 12.
Instrument, Stringed musical. J. W. McBride. 2,364,861; Dec. 12.
Insulated electrical conductor. H. J. Stewart. 2,365,019; Dec. 12.
Iron ores, Concentration of oxidized. E. H. Brown and F. X. Tartaron. 2,364,777–8; Dec. 12.
Jacket, Thermal insulating. J. T. Kamowski. 2,365,086; Dec. 12.
Jar. F. N. Osmun. 2,364,869; Dec. 12.
Key opening container. F. J. O'Brien. 2,365,100; Dec. 12.
Knife, Tapping. W. O. Hansen. 2,364,973; Dec. 12.
Label, tag, and the like, Adhesive. D. F. Dreher. 2,364,607; Dec. 12.
Ladder, Jacob's. E. J. Schneider. 2,365,012; Dec. 12.
Laminated articles, Breaking. W. J. Joyce. 2,365,085; Dec. 12.
Lamp: *See*—
Daylight lamp.
Lamp especially for photographic enlargers and projectors, Luminous discharge. L. C. Blair. 2,364,889; Dec. 12.
Latch: *See*—
Door handle and latch.
Leg instrument, Pivoted. J. Nash. 2,364,806; Dec. 12.
Leveler, Sheet roller. W. D. Shields. 2,365,114; Dec. 12.
Light signal. G. R. Pflasterer. 2,365,000; Dec. 12.
Link, Adjustable. A. J. Gore. 2,364,968; Dec. 12.
Liquid control valve. L. H. Perry. 2,365,105; Dec. 12.
Liquids of different boiling points from mixtures thereof by fractional distillation, Separation of. W. J. Chadder. 2,365,051; Dec. 12.
Lock: *See*—
Valve lock.
Locking device. E. F. Wickens. 2,365,031; Dec. 12.
Loom: *See*—
Weft replenishing loom.
Loom stop motion attachment. S. T. Pugh. 2,365,106; Dec. 12.
Loom temple roll. A. Lagasse. 2,364,983; Dec. 12.
Loop-forming needle. F. W. Sharkey and F. J. Redcliffe. 2,365,013; Dec. 12.
Lubricant composition. R. Rosen. 2,365,011; Dec. 12.
Lubricating apparatus. E. L. Finch. 2,364,894; Dec. 12.
Machine for applying hood caps to bottles. A. J. Briggs. 2,364,776; Dec. 12.
Machine gun. C. S. Brown. 2,364,944; Dec. 12.
Machine tool. W. H. Hendel. 2,364,977; Dec. 12.
Machine tool. H. C. Warner and C. H. Schurr. 2,364,932; Dec. 12.
Magazine filling mechanism. N. V. Kuehlman. 2,364,797; Dec. 12.
Magnetic actuator. O. I. Price. 2,364,656; Dec. 12.
Mangle. E. P. Harrison and O. A. Hunt. 2,364,634; Dec. 12.
Manufacturing cast iron. O. Smalley. 2,364,922; Dec. 12.
Material forming apparatus. R. F. Mallina. 2,364,989; Dec. 12.
Measuring apparatus. E. M. Smith. 2,364,923; Dec. 12.
Mechanism for handling molten metal. L. M. Beckes. 2,364,615; Dec. 12.
Membrane, Pressure sealing. G. Schieman. 2,364,875; Dec. 12.
Metalworking machine. D. W. Grimes. 2,364,631; Dec. 12.
Metalworking machine. J. J. McGlone and R. I. Anderson. 2,364,734–6; Dec. 12.
Metallic leaf. D. D. Swift. 2,364,674; Dec. 12.
Meter: *See*—
Electrical meter. Flow meter.
Milk cooler. C. A. Thomas. 2,365,024; Dec. 12.
Milling machine. L. H. Blood and H. Ernst. 2,365,043; Dec. 12.
Milling machine. F. A. Hassman. 2,365,075; Dec. 12.
Mold equipment. R. E. Moule. 2,364,745; Dec. 12.
Mop. A. J. Lipstock. 2,364,800; Dec. 12.
Motion-picture mechanism. G. Nemnich. 2,364,746; Dec. 12.
Motor: *See*—
Fluid motor.
Motors, Mounting and supporting. H. O. Kampstad and C. L. Kampstad. 2,364,855; Dec. 12.
Mounting: *See*—
Gun turret mounting.
Multiple container. W. M. Emery. 2,365,143; Dec. 12.
N-Allylnormorphine and its production. J. Weijlard and A. E. Erickson. 2,364,833; Dec. 12.
Navigational system, Radio controlled. J. Dugan. 2,364,625; Dec. 12.
Nickel catalyst. H. W. Vahlteich and R. H. Neal. 2,365,125; Dec. 12.
Nozzle. J. O. Lewis. 2,364,905; Dec. 12.
Nozzle, Fog. G. F. Hurst. 2,364,848; Dec. 12.
Nut installation for blind fastenings. F. E. Johnson. 2,365,137; Dec. 12.
Oil, Chlorinating mineral. L. R. Churchill, J. E. Schott, and S. P. Waugh. 2,365,053; Dec. 12.
Oil conveying member for journal boxes. W. Blackmore. 2,365,042; Dec. 12.
Oil, Lubricating. C. C. Towne. 2,364,830; Dec. 12.
Oil, Preparation of hydrogenated glyceridic. C. J. Borkowski and J. L. Schille. 2,365,045; Dec. 12.
Oil, Refining mineral. A. Voorhies, Jr. 2,365,029; Dec. 12.
Oil return arrangement. M. B. Goddard and R. C. Oeler. 2,364,783; Dec. 12.
Oiler for caliber .50 cartridge cases for tapering machines, Automatic. L. J. Znamierowski. 2,364,683; Dec. 12.
Oils, Conversion of hydrocarbon. G. C. Connolly. 2,364,949; Dec. 12.
Oils, Lubricating. L. L. Davis, B. H. Lincoln, and G. D. Byrkit. 2,364,622; Dec. 12.

Optical elements, Securing. T. G. Aitcheson. 2,364,768; Dec. 12.
Optical instrument. W. T. Perkins. 2,364,811; Dec. 12.
Ores, Concentration of oxidized iron. E. H. Brown and F. X. Tartaron. 2,364,618; Dec. 12.
Ores, Reduction of metal. E. S. Merriam. 2,364,742; Dec. 12.
Organic sulphonates, Manufacture of. L. H. Flett. 2,364,782; Dec. 12.
Outfire control. A. V. Sampsel. 2,364,663; Dec. 12.
Package. C. H. Rasmussen. 2,364,916; Dec. 12.
Package. P. O. White. 2,364,678; Dec. 12.
Pad: *See*—
Eye pad.
Paper bag. H. A. Wolf. 2,364,886; Dec. 12.
Paper coating compositions and the like, Preparing. H. R. Murdock. 2,365,097; Dec. 12.
Parachute toy. A. L. Ruthven. 2,364,821; Dec. 12.
Parallel appliance. P. E. Grow. 2,364,784; Dec. 12.
Patient and bedding remover. R. M. Russell. 2,365,111; Dec. 12.
Pedestal. G. H. Koch. 2,364,794; Dec. 12.
Pendulum support. R. B. Wright. 2,364,681; Dec. 12.
Pentaerythritol, Producing. H. M. Spurlin. 2,364,925; Dec. 12.
Periscopic vision device. D. R. Stamy and C. E. Fisher. 2,364,670; Dec. 12.
Pest control. E. W. Bousquet and H. G. Guy. 2,365,047; Dec. 12.
Petroleum hydrocarbon fractions from high pressure wells, Method of and apparatus for recovering desirable. L. S. Reid. 2,364,660; Dec. 12.
Physical exercising or training apparatus. G. T. Stafford and F. Albach. 2,365,117; Dec. 12.
Pickup device for airplanes. R. R. Beddow. 2,364,598; Dec. 12.
Pilot for gas burners. A. D. Olds. 2,365,102; Dec. 12.
Pin for securing curls. W. M. Reger, Jr., and P. C. Reger. 2,365,002; Dec. 12.
Pipe bevelling machine. B. V. Elliott. 2,364,963; Dec. 12.
Pipe wrench. C. C. Clayton. 2,365,054; Dec. 12.
Piston construction. S. Schnell. 2,364,823; Dec. 12.
Piston ring. A. W. Morton. 2,364,743; Dec. 12.
Piston sealing device. E. Ericsson. 2,364,781; Dec. 12.
Pitot control system for aircraft. W. P. Lear. 2,364,637; Dec. 12.
Planter. O. F. Drennan. 2,364,958; Dec. 12.
Plastic articles, Making laminated. E. W. Otto. 2,364,870; Dec. 12.
Plate hanger. C. Richards. 2,365,108; Dec. 12.
Plating rack. M. S. Schneider. 2,364,822; Dec. 12.
Plow. R. J. Wray. 2,364,887; Dec. 12.
Plowing device. O. Storz. 2,364,878; Dec. 12.
Plug-retaining device, Attachment. R. S. O'Brien. 2,365,101; Dec. 12.
Polyamine, Subresinous acylated. M. De Groote and B. Keiser. 2,364,779; Dec. 12.
Poppet valve. R. C. Pierson. 2,364,812; Dec. 12.
Portable container. F. J. O'Brien. 2,365,099; Dec. 12.
Potato harvesting machine. R. S. Hertzler and O. K. Umble. 2,365,077; Dec. 12.
Power control apparatus. R. T. Pollock and O. C. W. Henze. 2,364,654; Dec. 12.
Power transmission. J. Gauld. 2,365,067; Dec. 12.
Power transmission. R. S. Miller and H. C. Zintz. 2,365,095; Dec. 12.
Power transmission. H. F. Vickers and R. C. Griffith. 2,365,126; Dec. 12.
Preparation of fresh fruit for market. L. W. Burwick, C. D. Cothran, and T. G. Cunning. 2,364,946; Dec. 12.
Press: *See*—
Toggle press.
Press. H. N. Atwood. 2,364,597; Dec. 12.
Printing emulsions, Textile. N. S. Cassel. 2,364,692; Dec. 12.
Projectile, Explosive. W. T. Moore and W. E. Thibodeau. 2,364,643; Dec. 12.
Propeller construction for aircraft or the like. H. Reissner. 2,364,871; Dec. 12.
Protective system. O. C. Traver and A. J. McConnell. 2,365,025; Dec. 12.
Pump: *See*—
Well pump.
Pump shaft seal assembly. E. F. Wichorek. 2,365,146; Dec. 12.
Pump shell for dredging, Section lined. M. F. Crawford. 2,365,058; Dec. 12.
Punch and die assembly. L. V. and S. A. Whistler. 2,364,834; Dec. 12.
Rack: *See*—
Film rack. Plating rack.
Radio navigation. D. G. C. Luck. 2,364,731; Dec. 12.
Radio range. L. E. Norton. 2,364,748; Dec. 12.
Railroad safety device. D. Guerrero. 2,364,785; Dec. 12.
Railway signaling system. W. F. Zane and G. W. Baughman. 2,364,840; Dec. 12.
Railway traffic controlling apparatus. P. P. Stoker. 2,364,926; Dec. 12.
Range estimating trainer. J. W. Jones. 2,364,720; Dec. 12.
Range frame. J. M. Cook. 2,364,950; Dec. 12.
Raw-state preserving process and composition. J. H. Beatty. 2,364,614; Dec. 12.
Record visualizing device. A. M. Martin. 2,364,640; Dec. 12.
Recording and computing machine. E. O. Roggenstein. 2,364,758–9; Dec. 12.
Recording mechanism motor control. R. J. and P. M. Spies. 2,365,140; Dec. 12.
Regrinding machine, Connecting rod. S. A. Gerbig. 2,365,068; Dec. 12.
Regulating apparatus for boilers, Feed water. W. L. Hunter. 2,365,081; Dec. 12.
Regulating device. F. C. Reggio. 2,364,817; Dec. 12.
Regulating system. H. Bany. 2,364,936; Dec. 12.
Reservoir bleeder, Auxiliary. H. A. De Vack and O. T. Evans. 2,364,606; Dec. 12.
Resilient fastener. J. W. Simmons. 2,364,668; Dec. 12.
Resin compositions and making same, Acetone. F. A. Hessel and J. B. Rust. 2,364,900; Dec. 12.
Resins, Refining of coumarone-indene. W. N. Traylor. 2,365,123; Dec. 12.
Resins, Refining of modified alkyd. W. N. Traylor. 2,365,122; Dec. 12.
Resins Zn-NaHSO$_4$ mixture, Refining of phenolic. W. N. Traylor. 2,365,121; Dec. 12.
Resistor unit, Encased. C. M. Osterheld. 2,364,996; Dec. 12.
Resuscitator. J. H. Emerson. 2,364,626; Dec. 12.
Retaining means for locking pins. H. Lombard. 2,364,638; Dec. 12.
Rheostat. B. M. Leece. 2,364,728; Dec. 12.
Ring: *See*—
Piston ring.
Rip strip container. H. Schrader and B. B. Gordon. 2,365,112; Dec. 12.
Rivet making apparatus. C. W. Cherry and A. S. Mullgardt. 2,364,693; Dec. 12.
Riveting machine. T. H. Speller. 2,365,147; Dec. 12.
Rivets, Detonating explosive. M. B. Leskin. 2,364,730; Dec. 12.
Roof, Built-up. A. Winding. 2,365,129; Dec. 12.
Rotary drilling apparatus. H. C. Johansen. 2,364,850; Dec. 12.
Rotary slide carrier. G. Fassin. 2,364,627; Dec. 12.
Rotary tiller. H. J. Seaman. 2,364,666; Dec. 12.
Rotary tilling implement. H. J. Seaman. 2,364,667; Dec. 12.
Rubber cement for flocked fabrics. G. S. Hiers. 2,364,847; Dec. 12.
Safety device. F. A. Jimerson. 2,364,980; Dec. 12.
Safety valve. A. D. Eplett. 2,364,700; Dec. 12.
Salts, Purification of lanthanum. A. E. Ballard and L. E. Martinson. 2,364,613; Dec. 12.
Sand timing instrument. F. H. Hagner. 2,365,072; Dec. 12.
Saving life, Means for. C. P. Harrison and C. W. Saunders. 2,364,787; Dec. 12.
Scale, Classifying. M. A. Weckerly. 2,364,832; Dec. 12.
Scale, Weighing. L. S. Williams. 2,364,837; Dec. 12.
Scoring device for the game of bridge. M. A. Zulficar. 2,365,130; Dec. 12.
Screen for photographers and the like, Background. A. B. Coleman. 2,364,695; Dec. 12.
Screen for pictures and the like, Display. H. G. Rogers. 2,365,010; Dec. 12.
Seal, Liquid. F. Bottomley. 2,365,046; Dec. 12.
Sealing device, Fluid. T. E. Frankenfield. 2,365,065; Dec. 12.
Seat: *See*—
Collapsible seat.
Seat and the like. I. C. Tyler. 2,365,026; Dec. 12.
Securing device, Releasable. A. R. Lumsden. 2,364,906; Dec. 12.
Securing member for rope and cable. L. H. Garlinghouse. 2,364,628; Dec. 12.
Selector, Bobbin stack. V. H. Jennings and W. H. Wakefield. 2,364,979; Dec. 12.
Selector, Station. G. M. Lane and H. W. Mackey. 2,365,088; Dec. 12.
Selenium elements, Making. A. J. Miller and I. R. Taylor. 2,364,642; Dec. 12.
Self-balancing lid support. E. W. North and R. A. Stone. 2,364,747; Dec. 12.
Separation of liquids of different boiling points from mixtures thereof by fractional distillation. W. J. Chadder. 2,365,050; Dec. 12.
Sextant, Hand. E. J. Arena. 2,364,770; Dec. 12.
Shaft coupling. A. Dunn and O. C. Eiland. 2,364,959; Dec. 12.
Shearing and forming knockouts. L. V. and S. A. Whistler. 2,364,835; Dec. 12.
Sheet material, Gummed. C. W. Stillwell. 2,365,020; Dec. 12.
Sheet-metal blanks, Making tapered. R. L. Archer. 2,364,610; Dec. 12.
Sheet pack opening mechanism. C. E. De Walt. 2,364,780; Dec. 12.
Sheet, Water sealing. R. Cross, W. B. Phillips, and W. M. Cross, Jr. 2,364,621; Dec. 12.
Shelter. J. E. Bowen. 2,364,941; Dec. 12.
Shield for welders, Protective. J. F. Rakos. 2,365,107; Dec. 12.
Shield, Nipple. M. J. Meynier, Jr. 2,364,866; Dec. 12.
Ship construction, Cargo. P. Thompson. 2,364,928; Dec. 12.
Shoe. E. Quinn. 2,364,816; Dec. 12.
Shoe machine. C. A. Robinson. 2,364,757; Dec. 12.

Shoe soles, Making. W. O. Cagney. 2,364,691; Dec. 12.
Shuttle. H. Menking. 2,364,740; Dec. 12.
Sign: *See*—
Display and advertising Illuminated sign.
sign.
Signal: *See*—
Light signal.
Signal. C. Adler, Jr. 2,365,038; Dec. 12.
Signaling and indicating system. H. J. Baur and T. E. Kulo. 2,364,937; Dec. 12.
Size, Dry rosin. E. A. Georgi. 2,364,965; Dec. 12.
Ski binding, Safety. E. O. Crocker and W. E. Breuner. 2,364,620; Dec. 12.
Skimming and flying vehicle. D. K. Warner. 2,364,676; Dec. 12.
Slide changing device. J. E. Harvey and W. T. Perkins. 2,364,788; Dec. 12.
Slurries, Concentration of. H. G. Laughlin and G. J. Risser. 2,364,799; Dec. 12.
Soap greases, Preparing aluminum. J. C. Zimmer and A. J. Morway. 2,365,037; Dec. 12.
Socket, Pull chain. A. G. Mueller. 2,364,995; Dec. 12.
Sole, Footwear. U. Urbany. 2,365,027; Dec. 12.
Solid fuel burner. E. C. Peterson and L. V. Baumgart. 2,364,913; Dec. 12.
Spectrophotometer attachment for rejecting specular reflections. W. A. Schurcliff. 2,364,825; Dec. 12.
Speed governing means. P. A. Noxon. 2,364,810; Dec. 12.
Speed responsive apparatus. W. P. Place. 2,364,751; Dec. 12.
Spinning and drying cage, Rayon. A. F. F. Mothwurf. 2,365,096; Dec. 12.
Spring assembly assembly for back cushions. W. A. Clark. 2,364,948; Dec. 12.
Spring for beds and mattresses. B. Gladstone. 2,364,966; Dec. 12.
Stand for aircraft, Portable hydraulic test. E. M. Greer. 2,364,709; Dec. 12.
Steel, Heat treating. F. A. Endress. 2,364,893; Dec. 12.
Steering system, Radio controlled. J. Dugan. 2,364,624; Dec. 12.
Stenciling attachment for typewriters. E. E. Leroux. 2,364,729; Dec. 12.
Sterilizer, Dressings. G. H. Myrick. 2,364,910; Dec. 12.
Stock pusher. R. E. Pixler. 2,364,813; Dec. 12.
Stocking, Sheer full-fashioned. G. F. Lang. 2,364,636; Dec. 12.
Stop motion for looms, Filling. J. P. Blouin. 2,365,044; Dec. 12.
Stop motion for textile apparatus. W. J. Scott. 2,364,824; Dec. 12.
Strainer. F. B. Harvuot. 2,365,074; Dec. 12.
Strainer, Sink. M. Dunn. 2,364,960; Dec. 12.
Strainer system. N. E. Brice. 2,364,775; Dec. 12.
Strand handling apparatus. O. G. Nelson. 2,364,808; Dec. 12.
Strand handling machine. E. J. Larsen and O. G. Nelson. 2,364,984; Dec. 12.
Strip Tinning. J. D. Keller. 2,364,904; Dec. 12.
Strut, Shock absorbing. H. W. Mattingly. 2,364,865; Dec. 12.
Subresinous acylated polyamine. M. De Groote and B. Keiser. 2,364,779; Dec. 12.
Suction cleaner. D. G. Smellie. 2,364,877; Dec. 12.
Support: *See*—
Arch support. Pendulum support.
Clothes support. Self-balancing lid support.
Collapsible support.
Switch: *See*—
Crossbar switch. Electric switch.
Switch. E. E. Dreese, S. O. Evans, and W. L. Davis. 2,365,064; Dec. 12.
Switchgear. W. G. Harlow. 2,364,974; Dec. 12.
Table. C. F. Creager. 2,364,604; Dec. 12.
Table attachment for milling machines, Rotary. W. Hoier. 2,365,078; Dec. 12.
Table top, Decorative. B. W. Rice. 2,365,005; Dec. 12.
Tank: *See*—
Droppable gasoline tank.
Tanks, Method of and apparatus for banding. J. M. Crom. 2,364,696; Dec. 12.
Telephone signaling system. H. M. Bascom and F. A. Hubbard. 2,364,771; Dec. 12.
Telephone system. G. T. Baker. 2,364,685; Dec. 12.
Telescopic jack structure. D. R. Merchant. 2,364,741; Dec. 12.
Textile decorating compositions. C. M. Marberg and E. K. Fischer. 2,364,738; Dec. 12.
Therapeutic preparation effective against ulcers. D. J. Sandweiss. 2,364,760; Dec. 12.
Thermometer. S. G. Eskin. 2,364,841; Dec. 12.
Thermoplastic articles, Joining hollow. H. W. Eagles. 2,364,962; Dec. 12.
Timer. W. F. Wolfner, II. 2,364,680; Dec. 12.
Tin sulphide concentrates, Treating. Y. E. Lebedeff. 2,364,727; Dec. 12.
Tire for vehicles, Spring. M. Saldin. 2,364,874; Dec. 12.
Tire vulcanizing clamp. A. Ridd. 2,365,109; Dec. 12.
Titanium pigments, Manufacture of. R. W. Ancrum. 2,365,135; Dec. 12.
Toggle press. F. J. Rode and M. R. Hatch. 2,364,661; Dec. 12.
Tool: *See*—
Assembly tool. Machine tool.
Tools, Chuck for machine. T. H. Sloan. 2,365,116; Dec. 12.
Tools, Work clamping means for machine. W. H. Weimer. 2,364,884; Dec. 12.
Torch device. C. Mott, A. F. Chouinard, and R. L. Harding. 2,364,845; Dec. 12.
Track, Crawler. J. A. Law. 2,364,857; Dec. 12.
Transfer unit. C. G. Comer and B. A. Keener. 2,364,602; Dec. 12.
Transformer, Welding. J. M. Tyrner. 2,364,881; Dec. 12.
Transmission control structure. L. D. Boyce and I. C. McKechnie. 2,364,774; Dec. 12.
Transmission mechanism. T. H. Ryan. 2,364,919; Dec. 12.
Treating oil wells. K. H. Andresen. 2,365,039; Dec. 12.
Treating tin hardhead to recover tin. C. B. Porter. 2,364,815; Dec. 12.
Trouble indicating system. F. A. Korn. 2,364,796; Dec. 12.
Tuning means for radio receivers and the like. R. C. Wilks. 2,364,764; Dec. 12.
Turntable for discharging wood waste or like material from storage vaults, Adjustable. H. A. Colvin. 2,364,601; Dec. 12.
Typewriting machine. M. W. Newberry. 2,364,809; Dec. 12.
Ultra high frequency generator. F. Ludi. 2,364,732; Dec. 12.
Vacuum tube voltmeter circuit. J. R. Banker. 2,364,687; Dec. 12.
Valve: *See*—
Liquid control valve. Safety valve.
Poppet valve.
Valve. L. G. Daniels. 2,364,687; Dec. 12.
Valve. J. D. Mattimore. 2,364,907; Dec. 12.
Valve. A. J. Trott. 2,364,929; Dec. 12.
Valve bodies, Manufacturing. O. C. Martin. 2,364,864; Dec. 12.
Valve lock. R. Murphy. 2,364,909; Dec. 12.
Vehicle: *See*—
Skimming and flying vehicle.
Vehicle construction. J. Z. Feigelson. 2,364,842; Dec. 12.
Venetian blind. A. F. and A. E. Rice. 2,365,004; Dec. 12.
Vibrators, Making. R. J. Aust. 2,364,684; Dec. 12.
Vitamin extracts, Treatment of. B. Maizel. 2,364,639; Dec. 12.
Waddling duck. D. E. Gumb. 2,365,071; Dec. 12.
Water heater. W. O. Horne. 2,364,791; Dec. 12.
Watering device. N. J. Marshall. 2,364,991; Dec. 12.
Wax emulsions. J. O. Handy. 2,364,632; Dec. 12.
Web slitting means and method. J. A. Aycock. 2,364,888; Dec. 12.
Weft replenishing loom. C. Darwin. 2,364,954; Dec. 12.
Weighing machine. S. R. Howard. 2,364,902; Dec. 12.
Well pump. W. L. Church. 2,364,600; Dec. 12.
Well treating apparatus. L. C. Chamberlain. 2,365,052; Dec. 12.
Wheel handling apparatus. F. Roberson. 2,364,918; Dec. 12.
Winding machine. W. Siegenthaler. 2,365,115; Dec. 12.
Wire, Gold filled. T. C. Jarrett. 2,365,083; Dec. 12.
Work handling apparatus. H. Law. 2,364,986; Dec. 12.
Work holding apparatus. J. J. Huber. 2,365,079; Dec. 12.
Wrench: *See*—
Pipe wrench.
Wrench. L. C. Newberry. 2,365,139; Dec. 12.
Yarn winding. C. L. Hivick. 2,364,714; Dec. 12.
Yarn winding and holding device. J. Gomberg. 2,364,967; Dec. 12.
Zein coating, Production of. A. L. James. 2,364,792; Dec. 12.

CLASSIFICATION OF PATENTS

ISSUED DECEMBER 12, 1944

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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Total	804	

Disclaimers

2,162,369.—*Richard H. Campbell*, Racine, Wis. COMMUNICATION SYSTEM. Patent dated June 13, 1939. Disclaimer filed November 27, 1944, by the assignee, *Webster Electric Company*.

Hereby enters this disclaimer to claim 22 of said patent.

2,266,929.—*Frank C. Wallace*, Los Angeles, Calif. CLAMP. Patent dated December 23, 1941. Disclaimer filed November 25, 1944, by the assignee, *Herman H. Helbush*.

Hereby enters this disclaimer to claims 1 to 5, inclusive, of said patent.

2,271,879.—*Frank C. Wallace*, Los Angeles, Calif. CLAMP. Patent dated February 3, 1942. Disclaimer filed November 25, 1944, by the assignee, *Herman H. Helbush*.

Hereby enters this disclaimer to claims 1, 2, 3, 4, and 8 of said patent.

2,289,997.—*Frank Forster Renwick* and *Hardwicke Slingsby Tasker*, Ilford, England. PRODUCTION AND USE OF FLUORESCENT MATERIALS. Patent dated July 14, 1942. Disclaimer filed November 23, 1944, by the assignee, *Ilford Limited*.

Hereby enters this disclaimer to claims 1, 2, 6, and 7 of said patent.

Adjudicated Patents

(D. C. Del.) Bockus patent, No. 1,765,000, for coating for flame-retarding coverings and method of manufacturing the same, *Held* invalid. *Triangle Conduit & Cable Co. v. National Electric Products Corporation*, 56 F. Supp. 979; 62 U. S. P. Q. 350.

(D. C. Del.) Murphy patent, No. 1,798,486, for an electrical conductor, *Held* invalid. *Id.*

(D. C. Del.) Fredericksen patent, No. 1,828,772, for electrical construction, *Held* invalid. *Id.*

(D. C. Del.) Fullman & Rittelmann patent, No. 1,863,979, for manufacture of electric conductors, *Held* invalid. *Id.*

(C. C. A. N. J.) Huntman patent, No. 1,971,957, for stabilizing shock absorbing apparatus for motor vehicles, claims 1 to 4 *Held* not infringed. *Huntman Stabilizer Corporation v. General Motors Corporation*, 144 F.(2d) 963; 62 U. S. P. Q. 405.

(C. C. A. N. J.) Huntman patent, No. 1,971,958, for method of stabilizing automobiles while in action, claims 1 and 2 *Held* not infringed. *Id.*

(C. C. A. N. J.) Huntman patent, No. 1,971,959, for equalizers and shock absorbing means for vehicles, claims 1 and 2 *Held* invalid. *Id.*

(C. C. A. N. J.) Huntman patent, No. 1,971,960, for divided cross bar equalizing and shock absorbing means for vehicles, claim 6 *Held* invalid. *Id.*

(C. C. A. N. Y.) Gessler patent, No. 2,087,190, for printing inks, claims 3, 10, 11, 12, and 13 *Held* valid and infringed. *Interchemical Corporation v. Sinclair & Carroll Co.*, 144 F.(2d) 842; 62 U. S. P. Q. 445.

(D. C. Del.) Robinson and Moore patent, No. 2,222,555, for electrical conductor, *Held* invalid. *Triangle Conduit & Cable Co. v. National Electric Products Corporation*, 56 F. Supp. 979; 62 U. S. P. Q. 350.

(D. C. Del.) Robinson and Moore patent, No. 2,222,556, for electrical conductor, *Held* invalid. *Id.*

Adverse Decisions in Interference

In interference involving the indicated claims of the following patents final decisions have been rendered that the respective parties were not the first inventors with respect to the claims listed:

Pat. 2,295,459, S. E. Erickson, Flotation process, decided September 29, 1944, claims 1, 2, 3, 4, 5, 6, and 7.

Pat. 2,305,844, T. H. Clark, Electron discharge device, decided October 3, 1944, claims 1, 2, and 3.

Condition of Applications Under Examination at Close of Business December 2, 1944

(Total number of applications awaiting action, excluding Trade-Mark Division, 53,306; Trade-Mark Division, 1,937. Oldest new case, Dec. 23, 1943; oldest amended, Dec. 29, 1943.)
(The dates given are 1944 except where † indicates 1943)

Divisions, Examiners, and Subjects of Inventions	Oldest new application awaiting office action	Oldest amended action awaiting office action	No. of applications awaiting action
1. TUCKER, M. W., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	May 10	June 27	625
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	Mar. 1	Mar. 22	778
3. WOLFFE, S., Metal Founding; Metallurgy; Metal Treatment; Compositions (part)	Apr. 17	Apr. 13	1197
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Pneumatic Dispatch; Store Service; Mining, Quarrying and Ice Harvesting.	June 12	July 10	522
5. ROBINSON, C. W., Glass; Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps.	Jan. 24	Jan. 12	1410
6. GENIESSE, E. W., Carbon Chemistry (part)	Apr. 21	May 19	1149
7. JARBOE, C. G., Optics, Photography	July 17	Aug. 8	777
8. IMUS, A. E., Furniture; Kitchen and Table Articles; Locks and Cabinets	July 13	July 8	720
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	May 11	May 12	878
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	July 21	Aug. 3	351
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Clutches and Power Stop Control	Feb. 2	Feb. 3	1140
13. BEALL, T. E., Gear Cutting, Milling, Planing; Metal Working (part); Needle and Pin Making; Turning.	June 22	May 19	531
14. HANLIN, GEORGE, Metal Working (part); Farriery; Wire Fabrics	June 3	June 2	778
15. HENKIN, BENJ., Natural Resins, Rubber (part); Proteins, Carbohydrates and Derivatives; Plastics	June 27	May 6	714
16. SPENCER, C. J., Telegraphy; Telephony	May 11	May 6	571
17. HABECKER, LEON B., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Feb. 17	Feb. 14	568
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	Jan. 8	Jan. 8	923
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	Apr. 29	Mar. 20	688
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part); Bank Protection; Safes.	June 19	July 7	574
21. THOMPSON, T. J., Textiles	May 9	June 9	461
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance	Apr. 22	Apr. 17	1225
23. LEWIS, J. B., (Acting), Cash Registers; Calculators (part)	Feb. 29	Mar. 6	158
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines	Aug. 9	Aug. 20	478
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	Apr. 24	Apr. 26	778
26. YOUNG, R. R., Electricity—Generation and Motive Power	Feb. 24	Mar. 4	907
27. CLARK, W. N., Brush, Broom, and Mop Making; Brushing, Scrubbing and General Cleaning; Cleaning and Liquid Contact with Solids; Textiles, Fluid Treating Apparatus; Ironing; Washing Apparatus.	May 23	Mar. 1	635
28. SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders, Pistons.	Mar. 9	Mar. 4	828
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Package and Article Carriers; Woodworking; Tools; Metal Working, Assembling.	May 4	May 18	978
30. McCANN, LEO P., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	Mar. 16	Mar. 23	1018
31. DUNCOMBE, C. S., Hydrocarbons; Mineral Oils	June 29	June 29	970
32. LESH, K., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	July 7	June 24	785
33. HULL, J. S., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements; Plastic Block and Earthenware Apparatus.	Aug. 9	Aug. 10	694
34. SAPERSTEIN, S., Electricity—Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators.	May 29	May 18	488
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	May 13	May 15	734
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	Apr. 8	Apr. 10	570
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Mar. 18	Apr. 10	851
38. KRAFFT, C. F., Coating Processes; Coating or Plastic Compositions (part); Rubber (part)	Apr. 24	Apr. 8	710
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	May 5	May 10	822
40. DRUMMOND, E. J., Receptacles (part); Packages	June 13	June 23	876
41. HERTZ, M., Coin Handling; Recorders; Deposit Receptacles; Counters and Calculators (part); Typewriting Machines; Check-Controlled Apparatus.	Mar. 21	Feb. 11	392
42. MARANS, H., Electric Signaling; Electricity, Galvanometers and Meters	May 25	June 9	607
43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	May 2	May 4	745
44. HARVEY, E. P., Refrigeration; Preserving	Jan. 21	Jan. 19	510
45. HILL, H. D., Shafting and Flexible Shaft Couplings; Wheels, Tires, Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part); Spring, Weight and Horsepower Motors.	Mar. 9	May 8	1242
46. BLEECKER, V. E., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Coating Apparatus.	Feb. 5	Feb. 5	602
47. KANOF, WM. J., Brakes; Boring and Drilling; Motor Vehicles; Land Vehicles (part)	June 10	June 20	867
48. ROEPKE, O. B., Electricity, General Applications; Electric Igniters	Apr. 24	Apr. 25	855
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	May 13	May 22	596
50. LEVIN, SAMUEL, Synthetic Resins	Apr. 24	Apr. 26	1451
51. CROCKER, A. W., Radiant Energy, Multiplex Telephony, Modulators	Apr. 15	Apr. 15	1465
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits; Ornamentation.	Apr. 19	May 1	1162
53. PECK, M. K., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	May 18	Apr. 22	717
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	†Dec. 23	†Dec. 29	1027
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Laminated Fabrics (part)	Apr. 28	Apr. 26	576
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making	Apr. 8	Apr. 8	894
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	Mar. 2	Mar. 30	850
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements	June 17	May 10	663
59. SHEPARD, F. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds	Mar. 17	Mar. 11	1477
60. GLASS, R. L., Electricity-Heating; Welding; Furnaces; Batteries and Their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	Feb. 7	Feb. 9	979
61. YUNG KWAI, B., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Boats, Buoys and Ships.	May 22	June 27	751
62. PUGH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors	Apr. 25	Apr. 21	1271
63. WINKELSTEIN, A. H., Poisons; Fermentation; Foods and Beverages; Oils and Fats	Apr. 4	Apr. 5	1006
64. NASH, P. M., Acetylene; Gas Mixers; Compositions (part); Fuel	July 20	July 10	821
65. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays (e. g., Amplifiers).	Mar. 8	Mar. 8	1075
TRADE-MARKS: RICHMOND, F. A.	Sept. 18	Sept. 22	1937
DESIGNS: KALUPY, H. H.	Oct. 12	Nov. 8	845

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

MILES LABORATORIES, INC.

v.

FOLEY & COMPANY

No. 4,908. Decided June 26, 1944. Petition for rehearing denied October 2, 1944

[— F.(2d) —; 63 U. S. P. Q. 64]

TRADE-MARKS—CONFUSING SIMILARITY.

Confusion *Held* not likely to result from the concurrent use on similar goods of the trade-marks "Vitamiles" and "Vitabuild."

APPEAL from the Patent Office. Reversed.

Mr. Edward S. Rogers, Mr. William T. Woodson, Mr. James H. Rogers and *Mr. Thomas L. Mead, Jr.*, for Miles Laboratories, Inc.

Mr. James R. McKnight for Foley & Company.

GARRETT, *P. J.:*

This is an appeal from the decision of the Commissioner of Patents (57 U. S. P. Q. 44) in a trade-mark cancellation proceeding.

On September 9, 1941, appellant secured registration (No. 390,138) under the act of February 20, 1905, of the notation "Vitamiles" as a trade-mark for "vitamin tablets," the application therefor having been filed April 21, 1941, with use claimed "since April 11, 1941."

Six days after the registration—that is on September 15, 1941—appellee filed a petition for cancellation of the mark so registered in which it was alleged, in substance, that appellee was the owner of trade-mark registration No. 355,905, comprising the word "Vitabuild," registered April 5, 1938, under the act of February 20, 1905, for "Vitamin Compound of Vitamins A, B, D, and G for General Tonic Use"; that it had begun use of the mark long prior to the date of first use claimed by appellant of its mark; that the goods of the respective parties are identical, or are of the same descriptive properties, and that the concurrent use of the marks will cause confusion in the minds of purchasers and deceive them as to the origin of the goods with resultant "damage and loss" to petitioner.

Appellant's answer admitted the issuance of appellee's pleaded registration, and that the goods of the respective parties possess the same descriptive properties, although claiming that they are not identical. Certain of the allegations of the petition were denied and reference to them, so far as deemed pertinent, is hereinafter made. As a part of its answer appellant included an extensive list of marks containing the word "Vita," alleged to have been registered, and claimed that many of them were for use on goods of the same descriptive properties as the goods of the parties to the instant controversy. Appellant does not rely on those marks here, so far as its reasons of appeal disclose, but it may be stated that the Commissioner correctly held that they could not be considered.

Neither party took testimony, but briefs were filed below and, apparently, oral arguments were also presented at least before the Examiner of Trade-Mark Interferences. He denied the petition for cancellation and recommended that registration No. 390,138 "be not cancelled."

Petioner (appellee here) thereupon appealed to the Commissioner who (speaking through an Assistant Commissioner) reversed the decision of the Examiner of Trade-Mark Interferences, and the instant appeal followed.

Appellant alleges errors on the part of the Commissioner, stated in eleven reasons of appeal. In its brief before us, under the heading of "Points of Law and Fact to be Discussed," appellant sets forth two general contentions as follows:

(1) Vitamiles is not confusingly similar to Vitabuild when used on specifically different vitamin preparations.
(2) Petitioner has not shown injury within the meaning of section 13 of the statute.

With respect to the first contention so stated, we point out that both the Examiner of Trade-Mark Interferences and the Commissioner found the goods to be "substantially identical." The former based his finding in that regard upon the statements embraced in the certificates of registration themselves. The latter stated:

> * * * it appears from an exhibit attached to the petition, and seems to be conceded by respondent, that petitioner's product, like respondent's, is sold in tablet form. The goods of the parties are thus substantially identical in kind, and judicial notice may be taken of the fact that they are directly competitive.

No one of appellant's reasons of appeal even hints that the findings of fact so made were erroneous, and, as had been stated, appellant admitted in its answer that the goods are, at least, of the same descriptive properties. So, appellant's contention in that regard need not be further considered.

With respect to the second contention to the effect that the petitioner has not shown injury within the meaning of section 13, it appears to be appellant's theory that it was necessary as a matter of law, for petitioner to take testimony which would prove ownership and use of its mark as alleged in its petition, such, it is claimed, being placed in issue by denials in appellant's answer.

The theory was presented before the Commissioner who disposed of it as follows:

> * * * respondent admits the issuance of the registration pleaded, but denies petitioner's ownership and use of the registered mark. As pointed out by the Court of Customs and Patent Appeals in *Ely & Walker Dry Goods Co.* v. *Sears, Roebuck & Co.*, 24 C. C. P. A. 1244, 90 Fed.(2d) 257, registration of a mark under the act of 1905 is prima facie evidence of ownership, and ownership implies use. And while that was an opposition proceeding, "similar rules, insofar as the same may be applicable, having in mind the nature of such proceedings, are applicable in opposition and cancellation proceedings." *Derby Oil Co.* v. *White Star Refining Co.*, 20 C. C. P. A. 816, 62 Fed.(2d) 984; *American Cyanamid Co.* v. *Synthetic Nitrogen Products Corp.*, 19 C. C. P. A. 1235, 58 Fed.(2d) 984. There being no evidence to the contrary, the fact that petitioner was using its mark at or about the time of filing its petition to cancel is thus sufficiently established by the record.

Appellant's reasons of appeal Nos. 6, 9, and 10 read:

(6) Error in holding in effect that petitioner for cancellation has proven damage by alleging ownership of a mark not confusingly similar to appellant's mark;

(9) Error in holding damage to be established solely by a registration of a mark not considered similar by either the Examiner of Trade-Marks, or the Examiner of Interferences for Trade-Marks;

(10) Error in failing to find that petitioner has proved no such facts as show it had suffered injury at the time of filing its petition to cancel.

While the foregoing allegations of error do not specifically challenge the correctness of the Commissioner's holding above quoted, they, taken with allegations in others of the reasons of appeal, are deemed sufficient to raise the general issue of whether the marks are confusingly similar, which, upon the record before us, is the really vital issue in the case. If they are confusingly similar we think it clear that injury to appellee resulted from the registration, and that it should be cancelled, but if not confusingly similar appellee was not injured, and the action of the Examiner of Trade-Mark Interferences in dismissing the petition for cancellation should be sustained.

There is presented here, as is presented in many cases, a situation where a well known and commonly used term (in this case "Vita"), having a well understood significance, is combined with another term to constitute a trade-mark. It is a fair presumption that the second part—"miles"—of appellant's notation is taken from its corporate name, and is intended to indicate to purchasers that the vitamins marked "Vitamiles" originated with appellant. It is also fair to assume that the term "build" in appellee's mark is intended to suggest that the vitamins bearing the mark "Vitabuild" have the effect of "building up" or strengthening the physical organism.

While it is true that marks must be considered as a whole, nevertheless, in order to arrive at any intelligible understanding of them in cases such as this, it is necessary to look to the meaning or significance of parts of them in order to determine the dominant part.

We do not think that either party to this controversy could successfully contend that it is entitled to preempt the field with respect to marks having "Vita" as a portion thereof, and thus exclude all others from the use of any mark composed in part of that term, and it seems to us that "miles" and "build," in fact, constitute the dominant features of the marks before is. It further seems to us that the complete marks, when the significance of each is properly considered, are distinctive in character and that confusion is not likely to result from their concurrent use on similar goods.

The principle followed by this court in the case of *Yeasties Products, Inc.*, v. *General Mills, Inc.*, 22 C. C. P. A. (Patents) 1215, 77 F.(2d) 523, 25 U. S. Pat. Q. 393, 460 O. G. 499, is deemed pertinent here.

For the reasons indicated, we disagree with the conclusion of the Commissioner and his decision is reversed.

Reversed.

U. S. Court of Customs and Patent Appeals

IN RE SAWYER ELECTRICAL MANUFACTURING CO.

No. 4,916. Decided June 26, 1944. Petition for rehearing denied October 2, 1944

[— F.(2d) —; 63 U. S. P. Q. 66]

1. TRADE-MARKS—NAMES—REGISTRABILITY UNDER TRADE-MARK ACT OF 1905.

Held that the Trade-Mark Act of 1905 must be read to mean that "a mark which has as its foundation only the name of an individual may not be registered under the statute unless it be 'written, printed, impressed, or woven in some particular or distinctive manner, or in association with a portrait of the individual.'"

2. SAME—SAME—SAME.

Held that it is not to be inferred from the opinion in *The American Tobacco Co.* v. *Wix*, 20 C. C. P. A. (Patents) 835, 62 F.(2d) 835, 16 U. S. P. Q. 181, 430 O. G. 953, "that all surnames which are also nouns, adjectives or adverbs in other connections are registrable."

3. SAME—SAME—SAME.

With respect to the word "SAWYER" in block capital letters, sought by appellant to be registered as a trade-mark for electric motors, *Held* that it "is an ordinary surname regardless of how it is used, it is not 'written, printed, impressed, or woven in some particular or distinctive manner, or in association with a portrait of the individual,' and therefore may not be registered."

APPEAL from the Patent Office. Affirmed.

Mr. Elwin A. Andrus (*Mr. Merl E. Sceales* and *Mr. Lee B. Kemon* of counsel) for Sawyer Electrical Manufacturing Co.

Mr. W. W. Cochran (*Mr. R. F. Whitehead* of counsel) for the Commissioner of Patents.

JACKSON, *J.*:

Appellant appealed from a decision of the Commissioner of Patents, 57 U. S. P. Q. 148, affirming that of the Examiner of Trade-Marks in refusing to register the word "SAWYER" in block capital letters as a trade-mark for electric motors.

The Examiner held the mark to be the name of an individual not distinctively displayed and therefore forbidden by that part of the Trade-Mark Act of 1905, as amended, reading as follows:

SEC. 5. * * * *Provided*, That no mark which consists merely in the name of an individual, firm, corporation, or association not written, printed, impressed, or woven in some particular or distinctive manner, or in association with a portrait of the individual, * * * shall be registered under the terms of this act: * * *.

The Commissioner of Patents affirmed the decision of the Examiner for the same reason, and stated that a review of the cases of *Schlesinger* v. *Oppenheim Cigar Co.*, 11 F.(2d) 773; *Tinker* v. *M. F. Patterson Dental Supply Co.*, 53 App. D. C. 37, 287 Fed. 1014, 310 O. G. 489; *The American Tobacco Co.* v. *Wix*, 20 C. C. P. A. (Patents) 835, 62 F.(2d) 835, 16 U. S. P. Q. 181, 430 O. G. 953; *In re Canada Dry Ginger Ale, Inc.*, 24 C. C. P. A. (Patents) 804, 86 F.(2d) 830, 32 U. S. P. Q. 49, 479 O. G. 519; *Barber-Colman Co.* v. *Overhead Door Corporation*, 20 C. C. P. A. (Patents) 1118, 65 F.(2d) 147, 17 U. S. P. Q. 501, 436 O. G. 305; and *In re American Cyanamid & Chemical Corporation*, 26 C. C. P. A. (Patents) 712, 99 F.(2d) 964, 39 U. S. P. Q. 445, 499 O. G. 785, strengthened his conviction "that no word should be registered, except under the conditions prescribed by the statute, if it is likely to be regarded by the public as merely the name of an individual, even though it may have one or more other meanings. That the word 'Sawyer' is likely to be so regarded I think there can be no doubt."

The question involved here is whether the contention of appellant is correct that the prohibition of the statute applies to a word that is only the name of an individual, but when it has other meanings it is error to refuse its registration.

It has long been settled that every person has a right to do business under his own name as a trade-mark even though such right might be restricted so as not to confuse the goods of his business with those of another of the same name who had long been in the same business.

The trade-mark registration act adds nothing to or takes nothing from the common law rights relating to trade-mark ownership and use. It merely provides that owners of such marks may have them registered and made public, and for remedies in the enforcement of such rights. This doctrine is so elementary that no citation of authorities is deemed necessary.

It is further well-established that a mark consisting of an ordinary surname is not the subject of exclusive appropriation as a common law trade-mark. *The American Tobacco Co.* v. *Wix*, supra; *Thaddeus Davids Company* v. *Davids Manufacturing Company*, 233 U. S. 461, 202 O. G. 952; *Brown Chemical Company* v. *Meyer*, 139 U. S. 540, 55 O. G. 287; *Howe Scale Company* v. *Wyckoff, Seamans & Benedict*, 198 U. S. 118, 116 O. G. 299.

[1] Appellant has set out at great length the various meanings that properly may be attached to the word sought to be registered. The same might be done in respect of a very large number of surnames. Appellant contends in effect that if the name of an individual may be the name of other things, it is not "merely" the individual's name and therefore is registrable. We cannot agree with that conclusion. The word "merely" is an adverb modifying the verb "consists." The dictionary definition of "consists" when followed by the word "in" is "To have as its foundation, substance, or nature; be:". Therefore any of its synonyms may be substituted in the statute for the word "consists." Applying that reasoning the statute must be read to mean that any mark which has as its foundation, substance or nature or is merely the name of an individual may not be registered.

"Merely" is defined as "Without including anything else; purely; only; solely." A mark which has as its foundation only the name of an individual may not be registered under the statute unless it be

"written, printed, impressed, or woven in some particular or distinctive manner, or in association with a portrait of the individual, * * * *."

[2][3] Appellant has called our attention to dicta in the decision of this court in The American Tobacco Co. case, supra, in which it was stated that

"We do not wish to be understood in this opinion as holding that under no circumstances is a surname registrable. Many names have a significance other than as names, and are not regarded by the public as merely names."

It was further stated that it was not necessary there to determine in such cases whether a name is subject to the involved proviso.

It is not to be inferred from the opinion in that case that all surnames which are also nouns, adjectives or adverbs in other connections are registrable. It is clear from the decision in the Thaddeus Davids Company case, supra, that ordinary surnames are not the subject of exclusive appropriation. The mark here sought to be registered is an ordinary surname regardless of how it is used, it is not

"written, printed, impressed, or woven in some particular or distinctive manner, or in association with a portrait of the individual,"

and therefore may not be registered. See also The American Tobacco Co., the Brown Chemical Company, and the Howe Scale Company cases, all supra.

The decision of the Commissioner of Patents is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,611,012, H. F. Flowers, Three-way dump motor truck bodies; 1,972,042, same, Dump vehicle; 1,972,043, 1,785,678, 1,813,570, same, Dump vehicle with actuated doors; 1,830,390, same, Lift-door dump vehicle, D. C., N. D. Ill., E. Div., Doc. 43c1237, *H. F. Flowers* v. *Western-Austin Co. et al.* Charge of infringement of 1,830,390 dismissed Sept. 18, 1944, complaint dismissed for want of equity Oct. 20, 1944.

1,728,509, S. E. Rahe, Match book, filed Oct. 30, 1944, D. C., S. D. N. Y., Doc. 28/194, *S. E. Rahe* v. *Lion Match Co., Inc.*

1,785,678. (See 1,611,012.) 1,813,570. (See 1,611,012.)

1,830,390. (See 1,611,012.)

1,836,782. (See Des. 82,007.)

1,935,567. (See Des. 82,007.)

1,972,042. (See 1,611,012.) 1,972,043. (See 1,611,012.)

1,999,513, J. R. Morrison, Rod baking; 2,156,303, Morrison & Lewis, Rod baking equipment, D. C., N. D. Ohio, E. Div., Doc. 21075, *The Carl-Mayer Corp.* v. *The Morrison Engineering Corp.* Complaint and counterclaim dismissed without prejudice Nov. 6, 1944.

2,056,045, Fausek & Fausek, Electrode holder, filed Oct. 12, 1944, D. C., N. D. Ill., E. Div., Doc. 44c1214, *Illinois Welding Accessories Co.* v. *Johnson Welding Equipment Co. et al.*

2,072,070, J. S. Fisher, Friction articles and method of producing same; 2,191,460, same, Articles of manufacture, D. C., N. D. Ohio, E. Div., Doc. 21228, *The General Metals Powder Co.* v. *S. K. Wellman Co.* Order dismissing complaint Nov. 6, 1944.

2,111,705, F. J. Tobacco, Shoe manufacture, D. C., S. D. N. Y., Doc. 27/554, *Delman, Inc.*, v. *Saks & Co.* Order dismissing action (notice Nov. 3, 1944).

2,112,805, M. Bonotto, Process for extracting oils and fats from materials containing same; 2,156,236, same, Process and apparatus for extraction of oils, fats and other soluble constituents from materials containing same; 2,184,248, same, Method and mechanism for continuously forming liquid impervious plugs in extraction units, D. C., S. D. Ill., N. Div., Doc. P–347, *Estractol Process, Ltd.*, v. *Hiram Walker & Sons, Inc.* Complaint and amended complaint dismissed Nov. 9, 1944.

2,146,204, L. Dore, Fluid distributing system, filed Nov. 2, 1944, D. C., S. D. Calif. (Los Angeles), Doc. 3984–PH, *Francis Hankin & Co., Ltd., et al.* v. *Clayton Mfg. Co.*

2,156,236. (See 2,112,805.) 2,156,303. (See 1,999,513.)

2,159,658, W. D. Hall, Control system, D. C., N. D. W. Va. (Wheeling), Doc. 86–W, *W. D. Hall* v. *Montgomery Ward & Co.* Claims 5, 6, 11, 14, 21, and 27 held valid and infringed, complaint and counterclaim dismissed without prejudice as to claims 7, 16, 24, 25, and 26 Oct. 31, 1944. Doc. 87–W, *W. D. Hall* v. *Sears, Roebuck & Co.* Decree as above.

2,184,248. (See 2,112,805.) 2,191,460. (See 2,072,070.)

2,232,297, E. F. Wiley, Operating mechanism for multiple-sash windows, D. C., N. D. Calif., S. Div., Doc. 22633–G, *Dalmo Victor, Inc.*, v. *Universal Window Co.* Stipulation dismissing complaint with prejudice Aug. 30, 1944.

2,234,446, T. G. Murphy, Composition shingle, and roof formed therewith, D. C., S. D. Calif., C. Div., Doc. 3013, *T. G. Murphy* v. *Sealite Roof & Paint Co.* Dismissed for want of prosecution Nov. 6, 1944.

2,234,511, Wight & Anderson, Animal feed supplement and process of manufacture; Re. 22,500 (of 2,328,884), M. Shoeld, Process of manufacturing animal feed compositions, filed Oct. 5, 1944, D. C., N. D. Ill., E. Div., Doc. 44c1184, *The Davison Chemical Corp.* v. *International Minerals & Chemical Corp.*

2,253,417, W. C. Clark, Terminal clip, filed Oct. 2, 1944, D. C., N. D. Ill., E. Div., Doc. 44c1174, *W. C. Clark* v. *Central Equipment Co. et al.*

2,328,884. (See 2,234,511.)

2,355,476, Smith & Steegstra, Fluorescent lamp starter, filed Nov. 6, 1944, D. C. N. J., Doc. 4142, *The Bryant Electric Co.* v. *Industrial Electronics Corp.*

Re. 18,841, J. Mayer, Hair waving method, D. C. Del., Doc. 249, *The National Hairdresser's & Cosmetologists' Ass'n, Inc., et al* v. *The Philad Co.* Dismissed for want of prosecution Nov. 1, 1944.

Des. 22,500. (See 2,234,511.)

Des. 82,007, J. Teller, Cabinet gas range; 1,836,782, same, Stove structure; 1,935,567, H. Heidbreder, Range, filed Nov. 8, 1944, D. C., S. D. Calif., C. Div., Doc. 3995–Y, *J. Teller et al* v. *Western Stove Co., Inc.*

Des. 136,983, A. M. Katz, Coat, filed Nov. 2, 1944, D. C., S. D. N. Y., Doc. 23/253, *Duchess Royal* v. *Fitzgibbons Co. et al.*

Des. 137,627, S. Beck, Coat, D. C., S. D. N. Y., Doc. 27/265, *Matlin Cloak & Suit Co., Inc.*, v. *Hoffman-Boylin et al.* Stipulation discontinuing action against Penn-Fifth Ave. Corp. Nov. 2, 1944, and against Hoffman-Boylin Nov. 8, 1944.

T. M. 195,360, Chanel, Inc., Face powder, perfume, eau de cologne, etc.; T. M. 215,556, same, Perfume and toilet water, D. C., N. D. Ill., E. Div., Doc. 44c1091, *Chanel, Inc.*, v. *F. Blazek.* Trade-marks held valid and infringed, injunction Sept. 29, 1944.

T. M. 215,556. (See T. M. 195,360.)

T. M. 244,038, A. H. Tinnerman, Nuts, filed Sept. 29, 1944, D. C., N. D. Ill., E. Div., Doc. 44c1164, *Tinnerman Products, Inc.*, v. *McLean-Fogg Lock Nut Co.*

T. M. 314,493, J. L. Younghusband, Lipstick and rouge; T. M. 343,897, Associated Distributors, Inc., Antiperspirant, lipstick, rouge, etc., D. C., N. D. Ill., E. Div., Doc. 44c974, *Consolidated Cosmetics* v. *F. Blazek.* Consent decree enjoining defendant Sept. 7, 1944.

T. M. 343,897. (See T. M. 314,493.)

T. M. 362,873, Cohen, Goldman & Co., Inc., Men's and boys' trousers and pants, D. C., N. D. Ill., E. Div., Doc. 44c595, *Desmond's* v. *Montgomery Ward & Co., Inc.* Dismissed by stipulation Oct. 20, 1944.

T. M. 376,420. (See T. M. 381,895.)

T. M. 381,895, T. M. 376,420, Turco Products, Inc., Cleaning compounds, filed Oct. 31, 1944, D. C., N. D. Ill., E. Div., Doc. 44c1318, *Lakeside Products* v. *Turco Products, Inc.*

TRADE-MARKS

OFFICIAL GAZETTE, DECEMBER 19, 1944

[VOL. 569. No. 3]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 473,735. GREAT LAKES FOUNDRY SAND COMPANY, Detroit, Mich. Filed Aug. 30, 1944.

Juniata

FOR FOUNDRY SAND.
Claims use since January 1925.

Ser. No. 473,877. AMLING'S OF CALIFORNIA, INC., San Francisco, Calif. Filed Sept. 4, 1944.



The words "Flowers Air Delivered" are disclaimed apart from the mark.
FOR NATURAL FLOWERS AND PLANTS.
Claims use since Aug. 22, 1944.

Ser. No. 474,171. KAUDERS-STEUBER CO., Chicago, Ill. Filed Sept. 13, 1944.

NUTEX

FOR NEW AND UNUSED TEXTILE CLIPPINGS.
Claims use since Sept. 1, 1941.

Ser. No. 474,555. VITA-VAR CORPORATION, Newark, N. J. Filed Sept. 23, 1944.

SURFA-TONE

FOR SYNTHETIC RESIN.
Claims use since Aug. 10, 1944.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 460,791. CORA MARTIN D'ARCY, doing business as D'Arcy's, Indianapolis, Ind. Filed May 21, 1943.

D'Arcy Ducklettes

No claim is made to the word "D'Arcy" apart from the mark shown.
FOR BABY SOAP, THE BARS OF WHICH ARE SHAPED LIKE LITTLE DUCKS OR DUCKLINGS.
Claims use since December 1941.

Ser. No. 470,260. H. D. DUNAWAY, doing business as H. D. Dunaway Company, Atlanta, Ga., assignor to Youngblood Enterprises, Ltd., Atlanta, Ga., a limited partnership. Filed May 15, 1944.

SOL-CLAR

FOR ESPECIALLY PREPARED FILTER POWDER FOR USE IN RECLAIMING DRY CLEANING SOLVENT AND ADAPTED TO REMOVE THE IMPURITIES THAT ARE WASHED OUT OF CLOTHING.
Claims use since Sept. 1, 1938.

Ser. No. 471,716. HARRY SLAVIN, doing business as Northwest Chemical Company, New York, N. Y. Filed June 27, 1944.

VEEGOR

FOR SOAP POWDERS, SOAPLESS CLEANERS, CLEANSERS FOR MECHANICAL DISHWASHING, AND CLEANING AND POLISHING PASTES FOR SILVER, METAL, GLASSWARE, MIRRORS, PAINTED AND ENAMELED WALLS AND SURFACES, BATH TUBS, REFRIGERATORS, BOWLS, BASINS, SINKS, TILE, TERAZZO MARBLE, PORCELAIN, AND KITCHEN UTENSILS BUT NOT LIMITED THERETO.
Claims use since Mar. 7, 1941.

Ser. No. 472,426. LAMBERT PHARMACAL COMPANY, Wilmington, Del., and St. Louis, Mo. Filed July 20, 1944.

SINK-A-DUCK

FOR LOTION TO BE USED BEFORE SHAVING TO DEOIL THE BEARD AND EASE THE REMOVAL THEREOF.
Claims use since July 7, 1944.

Ser. No. 473,133. TRIO CHEMICAL WORKS, Brooklyn, N. Y. Filed Aug. 9, 1944.

B-H-4

FOR PINE OIL COMPOUND FOR HOUSE CLEANING.
Claims use since November 1940.

Ser. No. 473,576. OAKITE PRODUCTS, INC., New York, N. Y. Filed Aug. 24, 1944.

CRYSCOAT

No claim is made to the exclusive right to the use of the notation "Coat" per se.
FOR CLEANING PREPARATION INTENDED PRIMARILY FOR CLEANING METAL SURFACES.
Claims use since Aug. 10, 1944.

Ser. No. 473,693. ETHYL CORPORATION, New York, N. Y. Filed Aug. 29, 1944.

ETHYL

FOR LIQUID DETERGENT CLEANING PREPARATION.
Claims use since May 29, 1944.

Ser. No. 474,475. CHARLES OF THE RITZ, INC., New York, N. Y. Filed Sept. 22, 1944.

WATER SPRITE

FOR TOILET SOAPS.
Claims use since Sept. 20, 1944.

Ser. No. 474,709. ROMAN CLEANSER COMPANY, Detroit, Mich. Filed Sept. 28, 1944.

ROMITE

FOR LIQUID CLEANER FOR WINDOWS, MIRRORS, PICTURE GLASS, WINDSHIELDS, CAR WINDOWS, PORCELAIN, CHROME, AND TILE.
Claims use since March 1944.

Ser. No. 474,722. CHARLES OF THE RITZ, INC., New York, N. Y. Filed Sept. 29, 1944.

CONVERSATION PIECE

FOR SOAP.
Claims use since Sept. 25, 1944.

Ser. No. 474,741. ACME CHEMICAL COMPANY, Milwaukee, Wis. Filed Sept. 30, 1944.

ACCO

FOR TOILET SOAP.
Claims use since December 1916.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 463,980. REVLON PRODUCTS CORPORATION, New York, N. Y. Filed Oct. 7, 1943.

HAPPY MEDIUM

FOR NAIL ENAMEL, LIPSTICK, AND FACE POWDER.
Claims use since Sept. 15, 1943.

Ser. No. 470,903. AMANDA-L CO., Chicago, Ill. Filed June 5, 1944.

AMANDA-L

FOR OINTMENT DESIGNED TO AID THE GROWTH OF HAIR, FACE POWDER, SKIN CREAMS AND LOTIONS, ROUGE, HAIR POMADE, NAIL POLISH, AND DEODORANTS.
Claims use since June 1, 1940.

Ser. No. 471,497. TURCO PRODUCTS, INC., Los Angeles, Calif. Filed June 21, 1944.

AVERT

FOR CHEMICAL COMPOUNDS FOR USE IN THE PREVENTION OF CORROSION AND FOR SIMILAR SURFACE-PRESERVING PURPOSES.
Claims use since June 1, 1943.

Ser. No. 473,333. QUAKER CHEMICAL PRODUCTS CORPORATION, Conshohocken, Pa. Filed Aug. 16, 1944.

PYROLENE

FOR WATER SOFTENER FOR USE IN METAL AND TEXTILE INDUSTRIES.
Claims use since Oct. 8, 1940.

Ser. No. 473,401. W B B CORPORATION, Philadelphia, Pa. Filed Aug. 17, 1944.

RADEX

FOR DRY CHEMICAL COMPOSITIONS FOR USE AS ADDITION AGENTS IN ACID SOLUTIONS USED TO PICKLE CHROME-NICKEL STEELS OR TO ETCH CARBON STEELS.
Claims use since Dec. 21, 1943.

Ser. No. 473,474. MCKESSON & ROBBINS, INCORPORATED, New York, N. Y. Filed Aug. 21, 1944.

Albolene

FOR BABY POWDER, ALSO MINERAL OIL FOR INTERNAL USE FOR MEDICINAL PURPOSES.
Claims use since 1892 on mineral oil; and since 1936 on baby powder.

Ser. No. 473,520. WARWICK CHEMICAL COMPANY, West Warwick, R. I. Filed Aug. 22, 1944.

DUR-LANA

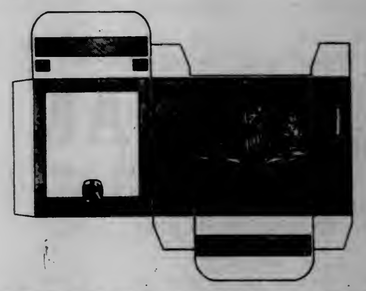
FOR FINISHING COMPOUNDS FOR TEXTILES.
Claims use since Aug. 9, 1944.

Ser. No. 473,632. BARLOW-MANEY LABORATORIES, Cedar Rapids, Iowa. Filed Aug. 26, 1944.

CAL-DI-GLIN

FOR WAFER USED PRIMARILY FOR THE PROPHYLAXIS OF AND AID IN CORRECTING CONDITIONS ESTABLISHED DUE TO DEFICIENCY OF CALCIUM, PHOSPHORUS, AND VITAMIN D.
Claims use since January 1943.

Ser. No. 473,734. PHILIP J. GRANT, doing business as Grant Laboratories, Oakland, Calif. Filed Aug. 30, 1944.



The drawing is lined for red and green. All wording is disclaimed apart from the mark. The representation of the carton is disclaimed per se.
FOR METAL ANT CONTROL CONTAINERS SOLD FILLED WITH ANT POISON.
Claims use since June 1, 1944.

Ser. No. 473,769. BRISTOL-MYERS COMPANY, New York, N. Y. Filed Aug. 31, 1944.

LICOSYN-B

Applicant disclaims the letter "B" apart from the mark.
FOR VITAMIN TABLETS CONTAINING LIVER EXTRACT AND IRON.
Claims use since Aug. 14, 1944.

Ser. No. 473,817. MURRAY GOLDENSTEIN, doing business as Imperial Drug Co., New York, N. Y. Filed Sept. 1, 1944.

KOKI MAKOS

FOR PREPARATION FOR RELIEVING ITCH AND IRRITATION OF THE SKIN AND SCALP.
Claims use since Sept. 15, 1943.

Ser. No. 474,011. THE TATTON COMPANY, Chicago, Ill. Filed Sept. 8, 1944.

Mrs

FOR DEODORANT CREAM.
Claims use since Sept. 15, 1943.

Ser. No. 474,089. ODORA COMPANY, INC., New York, N. Y. Filed Sept. 11, 1944.

FOREVER

FOR MOTH PROOF LIQUID.
Claims use since Aug. 28, 1944.

Ser. No. 474,191. CAVENDISH PHARMACEUTICAL CORP., New York, N. Y. Filed Sept. 14, 1944.

BIDUPAN

FOR MEDICINAL PREPARATION TAKEN INTERNALLY FOR THE TREATMENT OF DISORDERS OF THE STOMACH.
Claims use since Aug. 10, 1943.

Ser. No. 474,415. LADY ESTHER, LTD., Chicago, Ill. Filed Sept. 20, 1944.

Lady Esther

FOR FACE POWDERS, FACE CREAMS, ROUGE, AND LIPSTICK.
Claims use since July 1, 1913.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 466,882. GENERAL REFRACTORIES COMPANY, Philadelphia, Pa. Filed Jan. 26, 1944.



FOR STANDARD REFRACTORY BRICK.
Claims use since June 1916.

Ser. No. 466,885. GENERAL REFRACTORIES COMPANY, Philadelphia, Pa. Filed Jan. 26, 1944.

GRCO SILLIMANITE

No claim is made to the word "Sillimanite" apart from the mark.
FOR CEMENT IN DRY FORM.
Claims use since Apr. 1, 1935.

Ser. No. 472,736. THE EAGLE-PICHER LEAD COMPANY, Cincinnati, Ohio. Filed July 29, 1944.

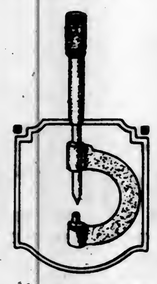
FLEXINSUL

FOR INSULATING COVERING FOR PIPES FORMED FROM MINERAL WOOL OR SIMILAR MATERIAL IN SHEET FORM.
Claims use since July 21, 1944.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 434,138. ACCURATE SCREW COMPANY, Chicago, Ill. Filed July 19, 1940.



FOR SCREW MACHINE PRODUCTS—NAMELY, SCREWS, BUSHINGS, NUTS, AND PIPE, BOILER AND TANK FITTINGS.
Claims use since May 13, 1935.

Ser. No. 471,435. VICTOR PRODUCTS CORPORATION, Chicago, Ill. Filed June 19, 1944.



FOR THREADED BOLTS AND SCREWS.
Claims use since Dec. 12, 1943.

Ser. No. 473,346. SOLAR AIRCRAFT COMPANY, San Diego, Calif. Filed Aug. 16, 1944.

SOL-A-NUT

No claim is made to the word "Nut" apart from the other features of the mark shown.
FOR LOCK NUT PLATES.
Claims use since July 24, 1944.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 464,392. HAL W. HARMAN, doing business as Harman Process Company, El Paso, Tex. Filed Oct. 25, 1943.

CHAIN LOCK

No claim is made to the word "Lock" apart from the mark.
FOR METALLIC LOCKING FASTENING SLUGS.
Claims use since Apr. 2, 1941.

Ser. No. 465,221. ACHORN STEEL COMPANY, Boston, Mass. Filed Nov. 23, 1943.



ACORN

FOR IRON AND STEEL—NAMELY, BARS, BILLETS, SHEETS, STRIPS, RODS, COILS, AND THE LIKE.
Claims use since January 1943.

Ser. No. 471,505. ZIV STEEL & WIRE CO., Chicago, Ill. Filed June 21, 1944.

ZIV BRM

The name "Ziv" is disclaimed apart from the mark.
FOR STEEL BARS FOR TOOL PRODUCTS—NAMELY, TOOL STEEL.
Claims use since February 1934.

Ser. No. 474,552. RIGID-TEX CORPORATION, Buffalo, N. Y. Filed Sept. 23, 1944.

RIGIDIZED

FOR STRUCTURALLY REINFORCED FERROUS AND NON-FERROUS METAL SHEETS.
Claims use since August 1944.

CLASS 15

OILS AND GREASES

Ser. No. 474,236. THE FREEDOM OIL COMPANY, Freedom, Pa. Filed Sept. 15, 1944.

FOLUBE HD

FOR LUBRICATING OILS AND GREASES.
Claims use since May 26, 1944.

Ser. No. 474,237. THE FREEDOM OIL COMPANY, Freedom, Pa. Filed Sept. 15, 1944.

FOMUL

FOR LUBRICATING OILS AND GREASES.
Claims use since June 19, 1944.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 471,285. ROY E. ROTH, doing business as The Nufin Company, Lancaster, Pa. Filed June 15, 1944. The drawing is lined for blue.

PURR

FOR CLEANER AND POLISH FOR FURNITURE, FLOORS, WOODWORK, AUTOMOBILES, VENETIAN BLINDS, AND THE LIKE.
Claims use since June 15, 1943.

Ser. No. 473,761. JOHN A. BECKER, doing business as Gumputtie Laboratories, Chicago, Ill., assignor to Gumputtie Laboratories, a firm composed of John A. Becker and Lillian M. Becker. Filed Aug. 31, 1944.

SUPREME PUTTIE

No claim is made to the word "Puttie" apart from the mark.
FOR PUTTY.
Claims use since June 2, 1941.

Ser. No. 473,891. J. E. JOHNSON & CO., Chicago, Ill. Filed Sept. 4, 1944.

WATAWAX

FOR POLISHING AND CLEANING COMPOUND FOR USE ON FURNITURE, AUTOMOBILES AND FINISHED SURFACES.
Claims use since Dec. 1, 1936.

Ser. No. 473,956. PLASTIKPLI LABORATORIES, INC., Chicago, Ill. Filed Sept. 7, 1944.

PLASTIKPLI

FOR READY-MIXED PAINT, VARNISH, PAINT ENAMEL, AND LACQUER.
Claims use since Aug. 16, 1944.

Ser. No. 474,458. JOHN W. MASURY & SON, INC., Baltimore, Md. Filed Sept. 21, 1944.



FOR PAINTS (READY MIXED OR LIQUID, PASTE FORM, AND DRY) PAINT ENAMELS, JAPANS, VARNISHES, STAINS AND PASTE AND LIQUID SURFACE FILLERS.
Claims use since Aug. 30, 1944.

Ser. No. 474,558. VITA-VAR CORPORATION, Newark, N. J. Filed Sept. 23, 1944.

SURFA-TONE

The word "Tone" is disclaimed apart from the mark as shown.
FOR READY-MIXED PAINT, PAINT ENAMEL, AND VARNISH.
Claims use since Aug. 10, 1944.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 471,740. C. GRANDA Y CIA. S. L., Habana, Cuba. Filed June 28, 1944.

EL PREMIO DE F.V.Y C. HABANA

No claim is made to the exclusive use of the word "Habana" apart from the mark shown.
FOR CIGARS.
Claims use since July 1943.

CLASS 19

VEHICLES

Ser. No. 467,989. VIRGINIA-LINCOLN CORPORATION, Marion, Va. Filed Mar. 4, 1944.

Valinite

The drawing is lined for red.
FOR AIRCRAFT STRUCTURAL PARTS COMPRISED OF THERMOPLASTIC AND ORGANIC CLOTH SOMETIMES COMBINED WITH CELLULAR ORGANIC MATERIAL.
Claims use since October 1943.

Ser. No. 474,679. THE SEAT-COVER CORPORATION, Cleveland, Ohio. Filed Sept. 27, 1944.

SECO

The lining shown in the drawing is used for shading purposes only.
FOR AUTOMOBILE SEAT COVERS.
Claims use since Mar. 24, 1944.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 469,062. SCHWARZE ELECTRIC CO., Chicago, Ill., and Adrian, Mich. Filed Apr. 5, 1944.

Comunicall

FOR VISIBLE AND AUDIBLE ELECTRIC SIGNALS, INDICATORS AND ALARMS FOR HIGHWAYS, VEHICLES, TRAFFIC AND IN PLANTS AND ESTABLISHMENTS FOR CALLING, ALARM AND INFORMATION PURPOSES, ASSEMBLIES THEREOF AND PARTS THEREFOR.
Claims use since Feb. 23, 1944.

Ser. No. 470,093. WATERBURY COMPANIES, INCORPORATED, Waterbury, Conn. Filed May 9, 1944.

WC INC 1812

FOR ELECTRIC GOODS AS FOLLOWS: BELL CORD BUSHINGS; CONDUCTOR CLASPS; ELECTRIC SOCKETS AND BUSHINGS; INSULATION BUSHINGS; ELECTRIC PUSH BUTTONS, CENTERS, AND KNOBS; ELECTRIC SWITCH HANDLES; ELECTRIC LIGHTING FIXTURES INCLUDING HOUSINGS, GLOBES, AND REFLECTORS; FLUORESCENT TUBE SOCKETS, HOUSINGS AND SWITCHES; INSULATING PARTS; INSULATORS; PLUGS; RADIO APPARATUS CONSISTING OF BRACKETS, CABINETS, DIALS, KNOBS, INSULATION, INSULATORS, AND SWITCHES; TELEPHONE MOUTH PIECES, AND TERMINALS—SAID ARTICLES BEING MADE OF METAL AND MOLDED PLASTIC COMPOSITION.
Claims use since May 1, 1944.

Ser. No. 471,797. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio. Filed June 29, 1944.

PLIOTHERM

FOR ELECTRICALLY CONDUCTING HEATING ELEMENTS COMPOSED OF RUBBER OR RUBBER-LIKE MATERIALS FOR AIRCRAFT DEICING AND INDUSTRIAL HEATING PURPOSES.
Claims use since May 31, 1944.

Ser. No. 473,849. FEDERAL ELECTRIC COMPANY, INC., Chicago, Ill. Filed Sept. 2, 1944.



FOR ELECTRIC SOCKETS; ELECTRIC BUSHINGS; ELECTRIC SIGNS; ELECTRIC ADVERTISING DISPLAYS; ELECTRIC ALARMS, BELLS, HORNS, SIRENS, AND SIGNALS; ELECTRIC OSCILLATING LIGHTS; FLUORESCENT LIGHTING FIXTURES; CENTRAL STATION TRANSMITTERS; ELECTRIC UNIFORM TIMING RELAYS; ELECTRIC TRANSMITTER AND ALARM BOX CODE WHEELS; FIRE ALARM BATTERIES; PUSH BUTTONS FOR ELECTRICAL APPLIANCES; COLD CATHODE ELECTRIC DISCHARGE LAMPS; ELECTRIC LINE RELAYS; ELECTRIC ROTARY AIR COMPRESSORS; MAGNETIC STARTERS FOR SIRENS; ELECTRIC LINE RELAYS AND RECTIFIERS; ELECTRIC THERMAL FLASHERS; ELECTRIC FIRE ALARM TIMERS; ELECTRICAL APPARATUS FOR FIRE ALARM SIGNAL TELEGRAPHING; HIGH FREQUENCY INDUCTION HEATERS; ELECTRIC RESISTORS; AND SEALED ELECTRICAL RELAYS.
Claims use on electric sockets, since November 1903; on electric bushings, since December 1905; on electric signs, since October 1911; on electric advertising displays, electric alarms, bells, horns, sirens and signals, electric oscillating lights, fluorescent lighting fixtures, central station transmitters, electric uniform timing relays, electric transmitter and alarm box code wheels, fire alarm batteries, push buttons for electrical appliances, cold cathode electric discharge lamps, electric line relays, electric rotary air compressors, magnetic starters for sirens, electric line relays and rectifiers, electric thermal flashers, electric fire alarm timers, electrical apparatus for fire alarm signal telegraphing, since October 1915; on high frequency induction heaters, since March 1942; on electric resistors, since March 1942; and on sealed electrical relays, since March 1942.

Ser. No. 474,376. FALGE ENGINEERING SERVICE, Bethesda, Md. Filed Sept. 19, 1944.

GAT LIGHT

The word "Light" is disclaimed apart from the mark.
FOR ALL PURPOSE ELECTRIC SIGNALING, TRAFFIC, FLASH AND SPOT LIGHTS.
Claims use since Dec. 26, 1943.

Ser. No. 475,151. INDUSTRIAL TOOL & DIE WORKS, INC., Minneapolis, Minn. Filed Oct. 10, 1944.

AUTOMESTIC

FOR ELECTRIC FLATIRONS.
Claims use since Aug. 19, 1944.

Ser. No. 475,182. THE ARROW-HART & HEGEMAN ELECTRIC CO., Hartford, Conn. Filed Oct. 11, 1944.

AH

FOR ELECTRIC CIRCUIT MAKERS AND BREAKERS, SWITCHES, OUTLETS, RECEPTACLES, PLUGS AND CONNECTORS, AND PARTS AND COMBINATIONS THEREOF.
Claims use since Sept. 11, 1944.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 458,699. AMERICAN MACHINERY CORPORATION, Orlando, Fla. Filed Feb. 23, 1943.

PACRITE

FOR MACHINERY AND EQUIPMENT—NAMELY, WASHERS, DRIERS, POLISHERS, SIZERS AND

GRADERS, DE-GREENING APPARATUS, APPARATUS FOR APPLYING COLOR, WAXING APPARATUS, DIRECT MARKING OR BRANDING MACHINES, AND WATER, STEAM AND PRESSURE COOKERS OF THE AUTOCLAVE TYPE—FOR TREATING FRUITS, VEGETABLES, AND SHELLFISH; AND, FURTHER—NAMELY, EXTRACTORS, DE-AERATORS AND PASTEURIZERS—FOR PRODUCTION OF AND TREATING OF FRUIT AND VEGETABLE JUICES AND OTHER LIQUID FOODS; AND FOR FERTILIZER DISTRIBUTORS; AND PARTS THEREOF.
Claims use since May 1, 1928.

Ser. No. 463,518. IDEAL ROLLER & MANUFACTURING COMPANY, Chicago, Ill. Filed Sept. 20, 1943.



FOR PRINTING PRESS ROLLERS.
Claims use since June 26, 1943.

Ser. No. 468,739. L. C. SMITH & CORONA TYPEWRITERS, INC, Syracuse, N. Y. Filed Mar. 27, 1944.

Clipper

FOR TYPEWRITING MACHINES.
Claims use since Feb. 23, 1944.

Ser. No. 469,705. L. C. SMITH & CORONA TYPEWRITERS, INC., Syracuse, N. Y. Filed Apr. 26, 1944.



FOR TYPEWRITING MACHINES.
Claims use since Apr. 14, 1944.

Ser. No. 470,293. JOSEPH BAUMGOLD, doing business as Diamond Tool Research Co., New York, N. Y. Filed May 16, 1944.



FOR PRECISION DIAMOND TOOLS—NAMELY, DIAMOND TOOLS FOR DRESSING AND TRUING, FOR MACHINING BRASS, FINISHING CUT ON ALUMINUM, DRILLS, GLASS CUTTERS, SCRIBERS, AND ENGRAVING TOOLS.
Claims use since May 1941.

Ser. No. 470,401. AUTOMATIC PRODUCTS COMPANY, Milwaukee, Wis. Filed May 19, 1944.



The word "Bolens" is disclaimed apart from the mark. The representation of a workman is fanciful.
FOR GARDEN TRACTORS AND IMPLEMENTS AND ATTACHMENTS FOR USE THEREWITH, INCLUDING PLOWS, CULTIVATORS, HARROWS, DISKS, SEEDERS, PLANTERS, MOWERS, DRAGS, FERTILIZING DISTRIBUTORS, POWER SPRAYERS, POTATO DIGGERS, RIDING CARTS, UTILITY CARTS, SNOW PLOWS, TOOL LIFT MECHANISMS AND HITCHES.
Claims use since May 3, 1944.

Ser. No. 470,976. THE HINES FLASK COMPANY, Lakewood, Ohio. Filed June 7, 1944.

POP-OFF

FOR FOUNDRY JACKETS.
Claims use since Mar. 1, 1943.

Ser. No. 471,500. TURCO PRODUCTS, INC., Los Angeles, Calif. Filed June 21, 1944.

SURJ

FOR MACHINES FOR REMOVING CARBON, SLUDGE, AND OTHER FOREIGN MATTER FROM METALLIC PARTS, OR THE LIKE.
Claims use since Nov. 1, 1943.

Ser. No. 472,723. UNITED AIRCRAFT CORPORATION, East Hartford, Conn. Filed July 28, 1944.

WASP MAJOR

FOR AIRCRAFT ENGINES, PARTS AND ATTACHMENTS THEREFOR.
Claims use since July 5, 1944.

Ser. No. 473,629. AMERICAN STAMPING CO., Battle Creek, Mich. Filed Aug. 26, 1944.



The portrait is anonymous.
FOR GREASE CUPS FOR MACHINERY BEARINGS.
Claims use since 1922.

Ser. No. 473,656. SELWYN REID BLACKSTONE, doing business as Blackstone Coin Packer Company, Madison, Wis. Filed Aug. 28, 1944.

Flambeau

FOR OUTBOARD MOTOR STANDS.
Claims use since Aug. 11, 1944.

Ser. No. 474,111. THE CLEVELAND WORM & GEAR COMPANY, Cleveland, Ohio. Filed Sept. 12, 1944.

SPEEDAIRE

FOR WORM GEAR REDUCTION UNITS.
Claims use since Sept. 1, 1944.

Ser. No. 474,222. CAMLOC FASTENER CORPORATION, New York, N. Y. Filed Sept. 15, 1944.



FOR HAND AND MACHINE TOOLS—NAMELY, DRILLS, COUNTER-SINKS, COUNTER-BORES, PUNCHES, CLOSING, FLANGING, DIMPLING, OR PUNCHING PLIERS AND SCREW DRIVERS.
Claims use since Aug. 19, 1938.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 469,069. THE DAVID WHITE COMPANY, Milwaukee, Wis. Filed Apr. 5, 1944.



The word "Stereo" is disclaimed apart from the mark. The drawing is lined for red.
FOR STEREOSCOPIC CAMERAS, STEREOSCOPIC PROJECTORS, STEREOSCOPES, STEREOSCOPIC SLIDES, FILING CASES FOR STEREOSCOPIC SLIDES, AND FLASH ATTACHMENTS FOR STEREOSCOPIC CAMERAS.
Claims use since Mar. 9, 1944.

Ser. No. 473,730. FAIRBANKS, MORSE & CO., Chicago, Ill. Filed Aug. 30, 1944.



FOR WEIGHING MACHINES, SCALES, BALANCES AND PARTS THEREOF.
Claims use since June 10, 1944.

Ser. No. 474,209. REPUBLIC PICTURES CORPORATION, New York, N. Y. Filed Sept. 14, 1944.



No claim is made to the term "Production" apart from the other features of the mark.
FOR MOTION PICTURES AND MOTION PICTURE FILMS, WHICH HAVE RECORDS OF SOUND, WORDS AND/OR MUSIC THEREON, AND MOTION PICTURE FILMS ADAPTED FOR SYNCHRONIZATION WITH SOUND, WORDS, AND/OR MUSIC RECORDS.
Claims use since June 10, 1944.

Ser. No. 475,253. JIFFY-WAY PRODUCTS, Minneapolis, Minn. Filed Oct. 12, 1944.

JIFFY WAY

FOR EGG GRADERS AND EGG CANDLERS.
Claims use since Apr. 1, 1937.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 471,380. ALFRED WYLER, New York, N. Y. Filed June 17, 1944.

Water Rex

"Water" is disclaimed apart from the mark.
FOR WATCHES, CASED AND UNCASED.
Claims use since July 1939.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 473,949. MARATHON COMPANY, Attleboro, Mass. Filed Sept. 7, 1944.

Tiny-Tot

FOR BIB HOLDERS, BABY PINS, CHAINS, AND PENDANTS, LOCKETS, BRACELETS, RINGS, AND NECK CHAINS, ALL OF SAID ARTICLES BEING MADE WHOLLY OR IN PART OF STERLING SILVER, SILVER PLATE, GOLD, AND GOLD PLATE.
Claims use since Mar. 1, 1922.

Ser. No. 473,989. KIRCHNER & RENICH, Minneapolis, Minn. Filed Sept. 8, 1944.

K&R

FOR MOUNTINGS, RINGS, DIAMONDS, AND SPECIAL ORDER PIECES OF JEWELRY FOR PERSONAL ADORNMENT NOT INCLUDING WATCHES.
Claims use since Sept. 2, 1902.

CLASS 30

CROCKERY, EARTHENWARE, AND PORCELAIN

Ser. No. 469,791. SINACO COMPANY, INC., New York, N. Y. Filed Apr. 28, 1944.

LECOT

FOR CHINA TABLEWARE.
Claims use since Jan. 28, 1943.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 470,158. SYNCHRONIZED SYSTEMS COMPANY, Detroit, Mich. Filed May 11, 1944.

WEATHER DIAL

The word "Dial" is disclaimed apart from the mark.
FOR PRESSURE RESPONSIVE CONTROL UNITS FOR STEAM HEATING INSTALLATIONS.
Claims use since Feb. 1, 1943.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 469,024. TECHNICAL COATINGS, INC., Los Angeles, Calif. Filed Apr. 4, 1944.

MOORITE

FOR SYNTHETIC RUBBER GASKETS.
Claims use since about May 15, 1943.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 474,484. ESQUIRE, INC., Chicago, Ill. Filed Sept. 22, 1944.

Esquire

FOR PHONOGRAPH RECORDS.
Claims use since Sept. 7, 1944.

Ser. No. 475,338. SCHERL & ROTH, INC., Cleveland, Ohio. Filed Oct. 14, 1944.

Equitone

FOR VIOLIN, VIOLA, CELLO, GUITAR, BASS, AND HARP STRINGS.
Claims use since Oct. 2, 1944.

CLASS 37

PAPER AND STATIONERY

Ser. No. 468,553. BROWN & BIGELOW, St. Paul, Minn. Filed Mar. 23, 1944.

Remembrance Advertising

No claim is made to the word "Advertising" apart from the mark.
FOR BLOTTERS, PENCILS, AND MEMORANDUM PADS.
Claims use since Mar. 1, 1920.

Ser. No. 473,655. ACME VISIBLE RECORDS, INC., Chicago, Ill. Filed Aug. 28, 1944.

FLEXOLINE

FOR BLANK FORMS—NAMELY, CARDS FOR VISIBLE INDEX OR RECORD EQUIPMENT; VISIBLE INDEX OR RECORD STRIPS; POCKET ATTACHMENTS FOR RECORD CARDS; AND CARD SIGNALS.
Claims use since Oct. 6, 1921.

Ser. No. 474,095. ROCKMONT ENVELOPE COMPANY, Denver, Colo. Filed Sept. 11, 1944.

Rockmont

The drawing is lined for shading only.
FOR ENVELOPES SOLD TO THE TRADE, FOR WRITING PAPERS AND FOR BOXES AND PACKETS OF WRITING PAPER AND ENVELOPES.
Claims use since Oct. 15, 1930, on envelopes; and since Aug. 30, 1942, on remainder of goods.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 464,012. VITAFREEZ, INC., Memphis, Tenn. Filed Oct. 8, 1943.

Vitafreez

FOR HOUSE ORGANS PUBLISHED AT IRREGULAR INTERVALS.
Claims use since July 22, 1943.

Ser. No. 464,346. MCGRAW-HILL COMPANY OF CALIFORNIA, San Francisco, Calif. Filed Oct. 22, 1943.

ELECTRICAL WEST

No claim is made to the word "Electrical" except as shown.
FOR INDUSTRIAL AND TRADE MAGAZINES PUBLISHED MONTHLY.
Claims use since 1927.

Ser. No. 467,571. MODERN PLASTICS, INC., New York, N. Y. Filed Feb. 19, 1944.



FOR PERIODICAL PUBLICATION PUBLISHED MONTHLY.
Claims use since September 1934.

Ser. No. 472,182. ASHTON B. COLLINS, doing business as Reddy Kilowatt, Short Hills, N. J., and New York, N. Y. Filed July 13, 1944.

Reddy

FOR MAGAZINE COLUMN.
Claims use since Mar. 14, 1926.

Ser. No. 473,324. THE MCNAUGHT SYNDICATE, INC., New York, N. Y. Filed Aug. 16, 1944.

THIS FUNNY WORLD

FOR CARTOON APPEARING IN DAILY NEWSPAPERS.
Claims use since Mar. 6, 1944.

Ser. No. 474,213. EDWARD D. SPANO, INC., New York, N. Y. Filed Sept. 14, 1944.

ESPAN

FOR PRINTED AND LITHOGRAPHED LABELS.
Claims use since Sept. 1, 1944.

Ser. No. 475,408. WOMEN'S WEAR COMPANY, New York, N. Y. Filed Oct. 17, 1944.

"They Are Wearing"—

FOR NEWS COLUMN.
Claims use since Feb. 21, 1924.

Ser. No. 475,410. ARMY TIMES PUBLISHING COMPANY, Washington, D. C. Filed Oct. 18, 1944.

At Your Service

FOR QUESTION AND ANSWER COLUMN PUBLISHED IN NEWSPAPERS, AND SOLD AS A SYNDICATED SERVICE.
Claims use since Apr. 29, 1944.

Ser. No. 475,439. MORGANITE BRUSH COMPANY, INC., Long Island City, N. Y. Filed Oct. 18, 1944.



FOR HOUSE ORGAN PUBLISHED PERIODICALLY.
Claims use since Apr. 3, 1944.

Ser. No. 475,457. PHILCO CORPORATION, Philadelphia, Pa. Filed Oct. 18, 1944.

PHILCO

FOR DECALCOMANIAS.
Claims use since July 1939.

Ser. No. 475,458. HENRY MOORE PICKEN, Bronxville, N. Y. Filed Oct. 18, 1944.

Rainy Day

FOR SERIES OF CHILDREN'S BOOKS.
Claims use since Aug. 15, 1944.

CLASS 39

CLOTHING

Ser. No. 467,190. FRANKLIN SIMON & CO., INC., New York, N. Y. Filed Feb. 5, 1944.

Minute Girl

FOR WOMEN'S AND MISSES' HOUSECOATS AND DRESSING GOWNS.
Claims use since Dec. 4, 1943.

Ser. No. 474,667. JOEL ISAACS SHIRT CO., New York, N. Y. Filed Sept. 27, 1944.

Swing-Stripe

Applicant disclaims the descriptive word "Stripe" separately from the mark as shown, but reserves all common law rights in the entire mark shown.
FOR MEN'S OUTER SHIRTS.
Claims use since July 24, 1936.

Ser. No. 474,668. JOEL ISAACS SHIRT CO., New York, N. Y. Filed Sept. 27, 1944.

WacoKid

Applicant disclaims the geographical name "Waco" separately from the mark as shown, but reserves all common law rights in the entire mark as shown.
FOR OUTER SHIRTS.
Claims use since Sept. 2, 1944.

Ser. No. 474,811. MT. VERNON MILLS, New York, N. Y. Filed Oct. 2, 1944.

Su-Ell

FOR INFANTS' UNDERWEAR.
Claims use since Apr. 10, 1944.

Ser. No. 474,930. I. SCHNEIERSON & SONS, INC., New York, N. Y. Filed Oct. 4, 1944.

THRIFT LOOM

FOR LADIES' CHEMISES, PAJAMAS, DRESSES, PRINCESS SLIPS, BLOOMERS, STEP-INS, NIGHTGOWNS, AND LADIES' UNIFORMS FOR WORK PURPOSES, AND CHILDREN'S CHEMISES, PAJAMAS, DRESSES, PRINCESS SLIPS, BLOOMERS, STEP-INS, AND NIGHTGOWNS OF A TEXTILE FABRIC.
Claims use since on or about Aug. 7, 1944.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 473,025. HENRY GREENBAUM, New York, N. Y. Filed Aug. 7, 1944.



FOR TEXTILE FABRICS IN THE PIECE OF COTTON, RAYON, WOOL, PROTEIN FIBRES, AND COMBINATIONS THEREOF.
Claims use since May 3, 1943.

CLASS 45

BEVERAGES, NONALCOHOLIC

Ser. No. 469,998. CLARENCE MARCO, Des Moines, Iowa. Filed May 6, 1944.

Thirst Eze

FOR NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES, SOLD AS SOFT DRINKS AND SIRUPS AND EXTRACTS FOR MAKING THE SAME.
Claims use since Mar. 17, 1944.

Ser. No. 470,081. MR. MIXER CO., INC., New York, N. Y. Filed May 9, 1944.



FOR NON-ALCOHOLIC, MALTLESS FRUIT JUICES AND FRUIT CONCENTRATES FOR BEVERAGE PURPOSES.
Claims use since Oct. 26, 1943.

Ser. No. 471,582. BONUS PRODUCTS COMPANY, St. Louis, Mo. Filed June 24, 1944.

Champay

FOR NON-ALCOHOLIC LITHIATED SPARKLING WHITE GRAPE DRINK.
Claims use since Sept. 15, 1939.

Ser. No. 474,962. BERNARD RICKENBACK, New York, N. Y. Filed Oct. 5, 1944.

GROOP

FOR PURE APPLE JUICE FOR BEVERAGE PURPOSES.
Claims use since Sept. 20, 1944.

Ser. No. 475,339. IRA H. SCHROEDER, doing business as Cinch Beverage Co., Kansas City, Mo., and Temple, Tex. Filed Oct. 14, 1944.

CINCH

FOR SYRUP AND EXTRACTS FOR PREPARING NON-ALCOHOLIC, MALTLESS BEVERAGES, AND BEVERAGES IN THE NATURE OF SOFT DRINKS.
Claims use since Oct. 6, 1944.

Ser. No. 475,393. JOSEPH LABOMAN, Philadelphia, Pa. Filed Oct. 17, 1944.

BEETSIP

FOR NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND SYRUPS AND EXTRACTS USED IN THE MANUFACTURE OF SOFT DRINKS.
Claims use since Oct. 12, 1944.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 460,362. COBERLY-WEST COMPANY, Shafter, Calif. Filed May 3, 1943.

KERN COUNTY

BUCKAROO BRAND
POTATOES
PACKED BY
COBERLY-WEST CO.

No claim is made to the wording other than "Buckaroo" apart from the mark.
FOR FRESH POTATOES.
Claims use since May 1942.

Ser. No. 471,921. SUPRO PRODUCTS COMPANY, New York, N. Y. Filed July 4, 1944.

SUPRO

FOR FLAVORING EXTRACTS FOR FOODS.
Claims use since Feb. 1, 1944.

Ser. No. 472,261. HARRY P. SCHWARZMAN, doing business as Hospital Purchasing Service, New York, N. Y. Filed July 14, 1944.

HOS-pi-TAL-i-TEA

No claim is made to the word "Tea" apart from the mark.
FOR TEA.
Claims use since Apr. 1, 1944.

Ser. No. 473,088. LESLIE C. CRAFTS, Wellesley, Mass. Filed Aug. 9, 1944.

SEE BEES

FOR CANDY AND CHEWING GUM.
Claims use since July 20, 1944.

Ser. No. 474,277. ESCALON PACKERS, INC., Escalon, Calif. Filed Sept. 16, 1944.

DORA

FOR CANNED FRUITS.
Claims use since June 1944.

Ser. No. 475,624. MARS, INCORPORATED, Chicago, Ill. Filed Oct. 23, 1944.

TORRID ZONE

FOR CANDY BARS.
Claims use since Aug. 25, 1944.

CLASS 47

WINES

Ser. No. 474,617. ALTA VINEYARDS COMPANY, Fresno, Calif. Filed Sept. 26, 1944.

ALTA

FOR WINES.
Claims use since 1883.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 472,469. SAMUEL STEINBACH, doing business as Madera Bonded Wine & Liquor Company, Baltimore, Md. Filed July 21, 1944.

DELTA

FOR BRANDIES, CORDIALS, EGGNOGS, WHISKIES, RUMS, GINS, LIQUEURS, AND SLIVOVITZ.
Claims use since May 7, 1940.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 470,442. FIDELITY MACHINE COMPANY, Philadelphia, Pa. Filed May 20, 1944.

SHAKER JAC

Applicant is owner of Reg. Nos. 323,739 and 323,940. No claim is made to the word "Shaker" apart from the mark.

FOR SOUND AND MOISTURE ABSORBING AND COLD RETAINING FABRIC COVERINGS FOR COCKTAIL SHAKERS.
Claims use since Jan. 10, 1936.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

DECEMBER 19, 1944

410,738. ADVERTISING CARDS, BOOKLETS OF THE CONSTITUTION AND BY-LAWS, LEAFLETS DESCRIBING MEMBERSHIP BUTTONS AND THEIR USE, MAGAZINES, MEMBERSHIP CARDS, TRAVEL CARDS, AND PLACARDS SOLD TO THE VARIOUS UNITS OF THE APPLICANT'S ORGANIZATION FOR THE FURTHERANCE OF ITS BUSINESS. HOTEL AND RESTAURANT EMPLOYEES' INTERNATIONAL ALLIANCE AND BARTENDERS' INTERNATIONAL LEAGUE OF AMERICA, Cincinnati, Ohio.
Filed February 15, 1938. Serial No. 403,046. PUBLISHED SEPTEMBER 26, 1944. Class 38.

410,739. ADVERTISING CARDS, CONSTITUTION AND BY-LAW BOOKLETS, PAMPHLETS, LEAFLETS DESCRIBING THE MEMBERSHIP BUTTONS AND THEIR USE, MAGAZINES, MEMBERSHIP CARDS, TRAVEL CARDS AND PLACARDS SOLD TO THE VARIOUS UNITS OF THE APPLICANT'S ORGANIZATION FOR THE FURTHERANCE OF ITS BUSINESS. HOTEL AND RESTAURANT EMPLOYEES' INTERNATIONAL ALLIANCE AND BARTENDERS' INTERNATIONAL LEAGUE OF AMERICA, Cincinnati, Ohio.
Filed February 15, 1938. Serial No. 403,048. PUBLISHED SEPTEMBER 26, 1944. Class 38.

410,740. WHISKEY. GALLAGHER & BURTON, INC., Philadelphia, Pa.
Filed August 21, 1941. Serial No. 446,423. PUBLISHED SEPTEMBER 26, 1944. Class 49.

410,741. SERIES OF CHILDREN'S BOOKS ADAPTED FOR USE WITH PHONOGRAPH RECORDS. MUSIC YOU ENJOY, INC., New York, N. Y.
Filed November 6, 1941. Serial No. 448,435. PUBLISHED MAY 11, 1943. Class 38.

410,742. GREY AND WHITE PORTLAND CEMENT AND GENERAL CONSTRUCTION MATERIALS—NAMELY, PLASTER, REINFORCEMENT CONSTRUCTION NETTING, ROLLED REINFORCEMENT BARS, BEAMS, ANGLES, CHANNELS, ROUNDS, FLATS, BANDS AND PLATES, CONCRETE CONDUITS, ASBESTOS SHINGLES, AND CLAY AND GLASS BRICKS. O. M. KNOOF, INC., New York, N. Y.
Filed November 25, 1941. Serial No. 448,913. PUBLISHED OCTOBER 10, 1944. Class 12.

410,743. SALT, CLOVES, EVAPORATED MILK, AND CANNED VEGETABLES. ARTHUR J. HANSON COMPANY, Ashland, Wis.
Filed March 28, 1942. Serial No. 451,973. PUBLISHED OCTOBER 10, 1944. Class 46.

410,744. NOZZLES AS USED IN THE APPLICATION OF ABRASIVE SAND IN CLEANING OPERATIONS. HEANY INDUSTRIAL CERAMIC CORPORATION, Rochester, N. Y.
Filed September 9, 1942. Serial No. 455,433. PUBLISHED SEPTEMBER 26, 1944. Class 23.

410,745. DIESEL ENGINES AND PARTS THEREOF. ATLAS IMPERIAL DIESEL ENGINE CO., Oakland, Calif.
Filed December 15, 1942. Serial No. 457,411. PUBLISHED MARCH 2, 1943. Class 23.

410,746. COMBINED BUILT IN IRONING BOARDS AND CABINETS AND READY-CUT, MACHINED, AND PARTLY, ASSEMBLED MATERIALS INTENDED FOR USE IN THE FINAL CONSTRUCTION OF COMBINED BUILT IN IRONING BOARDS AND CABINETS. WM. CAMERON & CO. INC., Waco, Tex.
Filed January 4, 1943. Serial No. 457,738. PUBLISHED OCTOBER 10, 1944. Class 24.

410,747. BENTONITE FOR USE IN THE PREPARATION AND TREATMENT OF WELL DRILLING FLUIDS. NATIONAL LEAD COMPANY, New York, N. Y.
Filed July 8, 1943. Serial No. 461,929. PUBLISHED MARCH 28, 1944. Class 12.

410,748. LENSES AND OPTICAL PRODUCTS—NAMELY, ROUGH LENS BLANKS, BIFOCAL BLANKS, BIFOCAL LENSES, OPTHALMIC LENSES, ETC. GUILD OF PRESCRIPTION OPTICIANS OF AMERICA, INC., Philadelphia, Pa.
Filed July 27, 1943. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 462,338. PUBLISHED OCTOBER 3, 1944. Class 26.

410,749. PORTABLE PUMP AND ENGINE UNITS FOR DISPENSING OIL AND GASOLINE. VIVIAN M. HARMAN, doing business as Harman Equipment Co., Los Angeles, Calif.
Filed July 27, 1943. Serial No. 462,341. PUBLISHED OCTOBER 3, 1944. Class 23.

410,750. POULTRY FEEDS—NAMELY, CHICK FEED, CHOP FEED, BROILER FEED, BROILER MASH, BREEDER MASH, SCRATCH GRAIN, FLUSHING MASH, STARTING AND GROWING MASH, STARTING MASH, TURKEY STARTING MASH, TURKEY DEVELOPER MASH, LAYING MASH, AND STARTING AND GROWING MASH; STOCK FEEDS—NAMELY, DAIRY MEAL, DAIRY RATION, PIG AND HOG MEAL, HOG SUPPLEMENT. HARPER FEED MILLS, INC., Pittsburgh, Pa.
Filed August 17, 1943. Serial No. 462,804. PUBLISHED OCTOBER 10, 1944. Class 46.

410,751. BOTTLE BEER. OHIO BREWERY, INC., Columbus, Ohio.
Filed August 20, 1943. Serial No. 462,885. PUBLISHED OCTOBER 3, 1944. Class 48.

410,752. CANNED COOKED SPAGHETTI WITH CONDIMENTS, CANNED SPAGHETTI SAUCE, CANNED MUSHROOM SAUCE, CANNED RAVIOLI, CANNED BAKED BEANS, CANNED MINESTRONE, AND PACKAGES CONTAINING UNCOOKED SPAGHETTI, CHEESE, AND CANNED SPAGHETTI SAUCE. LAURENCE GENTILE, doing business as Gateway Packing Co., Malden, Mass.
Filed September 1, 1943. Serial No. 463,147. PUBLISHED OCTOBER 10, 1944. Class 46.

410,753. WATCH CHAINS NOT INCLUDING WATCHES, TIE CLASPS, EMBLEM CHARMS, EMBLEM BUTTONS, EMBLEM PINS, ETC. EISENSTADT MANUFACTURING COMPANY, St. Louis, Mo.
Filed September 18, 1943. Serial No. 463,481. PUBLISHED APRIL 4, 1944. Class 28.

410,754. PYROPHORIC CIGAR LIGHTERS AND PYROPHORIC CIGARETTE LIGHTERS. EISENSTADT MANUFACTURING COMPANY, St. Louis, Mo.
Filed September 18, 1943. Serial No. 463,482. PUBLISHED JANUARY 11, 1944. Class 34.

410,755. CIGARETTE CASES AND CIGARETTE HOLDERS OF NON-PRECIOUS METAL. EISENSTADT MANUFACTURING COMPANY, St. Louis, Mo.
Filed December 11, 1943. Serial No. 465,712. PUBLISHED MARCH 14, 1944. Class 8.

410,756. HOSIERY. BRIDGETON HOSIERY MILLS, Bridgeton, N. J.
Filed December 24, 1943. Serial No. 466,035. PUBLISHED SEPTEMBER 26, 1944. Class 39.

410,757. EARTH-MOVING EQUIPMENT BLADES—NAMELY, GRADER BLADES. EARLE M. JORGENSEN Co., Los Angeles, Calif.
Filed January 3, 1944. Serial No. 466,290. PUBLISHED OCTOBER 3, 1944. Class 23.

410,758. SEWING KITS AND SEWING SETS CONSISTING OF MEASURING TAPES AND RULES, SCISSORS, NEEDLES, THREAD, AND THIMBLES, ETC. C. J. BATES & SON, Chester, Conn.
Filed January 10, 1944. Serial No. 466,425. PUBLISHED OCTOBER 10, 1944. Class 50.

410,759. SCISSORS AND SHEARS. THE CLAYTON MANUFACTURING COMPANY, Bristol, Conn.
Filed January 15, 1944. Serial No. 466,605. PUBLISHED OCTOBER 3, 1944. Class 23.

410,760. PAMPHLET ISSUED ABOUT EVERY SIX WEEKS CONTAINING PEST CONTROL RECOMMENDATIONS DEALING WITH THE USE OF CRYOLITE CONTAINING INSECTICIDES. THE PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa.
Filed January 19, 1944. Serial No. 466,706. PUBLISHED SEPTEMBER 26, 1944. Class 38.

410,761. GARDEN SPRAYERS. CHAMPION SPRAYER COMPANY, Detroit, Mich.
Filed January 24, 1944. Serial No. 466,829. PUBLISHED OCTOBER 10, 1944. Class 23.

410,762. TRADE PERIODICAL CONTAINING NEWS ITEMS AND ADVERTISING MATTER RELATING PRINCIPALLY TO APPLICANT'S BUSINESS AND ITS EMPLOYEES AND THE PRODUCTS MADE AND SOLD BY APPLICANT. THE PERFECT CIRCLE COMPANY, Hagerstown, Ind.
Filed February 5, 1944. Serial No. 467,207. PUBLISHED OCTOBER 3, 1944. Class 38.

410,763. AGUARDIENTE, RUM, ETHYL ALCOHOL, AND COGNAC. COMPANIA IMPORTADORA DE VINOS DE LA HABANA, SOCIEDAD ANONIMA, Alacranes and Habana, Cuba.
Filed February 7, 1944. Serial No. 467,233. PUBLISHED JUNE 13, 1944. Class 49.

410,764. PERIODICAL PUBLICATION CONTAINING MUSICAL WORKS. LORENZ PUBLISHING COMPANY, Dayton, Ohio.
Filed February 11, 1944. Serial No. 467,343. PUBLISHED OCTOBER 3, 1944. Class 38.

410,765. AUTOMOBILE POLISH USED FOR CLEANING, RENEWING, AND POLISHING IN ONE OPERATION. FRED U. GORDY, doing business as F. Gordy Mfg. and Dist. Co., Salt Lake City, Utah.
Filed March 7, 1944. Serial No. 468,023. PUBLISHED OCTOBER 10, 1944. Class 16.

410,766. RUM. BROWN-FORMAN DISTILLERS CORPORATION, Louisville, Ky.
Filed March 14, 1944. Serial No. 468,277. PUBLISHED MAY 16, 1944. Class 49.

410,767. PERIODICALS PUBLISHED FROM TIME TO TIME CONTAINING SUGGESTIONS AND HINTS FOR BEAUTY TREATMENTS, DRESS AND FASHION NOTES GENERALLY. MARY DUNHILL, INC., New York, N. Y.
Filed March 18, 1944. Serial No. 468,410. PUBLISHED OCTOBER 3, 1944. Class 38.

410,768. WHISKEY. MARCO IMPORTING CO., Chicago, Ill.
Filed March 22, 1944. Serial No. 468,522. PUBLISHED OCTOBER 3, 1944. Class 49.

410,769. RUM. MARCO IMPORTING CO., Chicago Ill.
Filed March 30, 1944. Serial No. 468,846. PUBLISHED OCTOBER 3, 1944. Class 49.

410,770. GAS ANALYSIS APPARATUS. BURRELL TECHNICAL SUPPLY COMPANY, Pittsburgh, Pa.
Filed April 1, 1944. Serial No. 468,913. PUBLISHED OCTOBER 3, 1944. Class 26.

410,771. GAS ANALYSIS APPARATUS. BURRELL TECHNICAL SUPPLY COMPANY, Pittsburgh, Pa.
Filed April 1, 1944. Serial No. 468,914. PUBLISHED OCTOBER 3, 1944. Class 26.

410,772. GLASS OVENWARE. CENTURY METALCRAFT CORPORATION, Chicago, Ill.
Filed April 7, 1944. Serial No. 469,116. PUBLISHED OCTOBER 10, 1944. Class 23.

410,773. GAS PRESSURE REGULATORS. NATIONAL CYLINDER GAS COMPANY, Chicago, Ill.
Filed April 10, 1944. Serial No. 469,209. PUBLISHED OCTOBER 10, 1944. Class 13.

410,774. TABLETS FOR RELIEF OF GAS, ACID INDIGESTION, FLATULENCE, HEARTBURN, AND SOUR STOMACH WHEN DUE TO HYPERACIDITY. RAFEA PHARMACAL CO., New York, N. Y.
Filed April 17, 1944. Serial No. 469,414. PUBLISHED OCTOBER 3, 1944. Class 6.

410,775. ELECTRIC VACUUM CLEANERS OF THE TYPE HAVING EBULLITION SYSTEMS. WINTHROP'S VACUUM CLEANER CORP., Paterson, N. J.
Filed April 19, 1944. Serial No. 469,484. PUBLISHED OCTOBER 3, 1944. Class 21.

410,776. HEADACHE POWDERS. WLADYSLAW S. ZBIKOWSKI, doing business as Cobana Products Company. Detroit, Mich.
Filed April 21, 1944. Serial No. 469,552. PUBLISHED OCTOBER 3, 1944. Class 6.

410,777. NEWSPAPER SECTION OR DEPARTMENT. THE HEARST CORPORATION, New York, N. Y.
Filed April 28, 1944. Serial No. 469,764. PUBLISHED OCTOBER 10, 1944. Class 38.

410,778. NEWSPAPER CARTOON STRIP. THE HEARST CORPORATION, New York, N. Y.
Filed April 28, 1944. Serial No. 469,765. PUBLISHED OCTOBER 10, 1944. Class 38.

410,779. NEWSPAPER CARTOON STRIP. THE HEARST CORPORATION, New York, N. Y.
Filed April 28, 1944. Serial No. 469,768. PUBLISHED OCTOBER 10, 1944. Class 38.

410,780. MAGAZINE COLUMN. THE F-R PUBLISHING CORPORATION, New York, N. Y.
Filed May 2, 1944. Serial No. 469,866. PUBLISHED SEPTEMBER 26, 1944. Class 38.

410,781. MAGAZINE COLUMN. THE F-R PUBLISHING CORPORATION, New York, N. Y.
Filed May 2, 1944. Serial No. 469,868. PUBLISHED SEPTEMBER 26, 1944. Class 38.

410,782. MAGAZINE COLUMN. THE F-R PUBLISHING CORPORATION, New York, N. Y.
Filed May 2, 1944. Serial No. 469,869. PUBLISHED SEPTEMBER 26, 1944. Class 38.

410,783. MAGAZINE COLUMN. THE F-R PUBLISHING CORPORATION, New York, N. Y.
Filed May 2, 1944. Serial No. 469,870. PUBLISHED SEPTEMBER 26, 1944. Class 38.

410,784. FLOOR TO FLOOR POWER BELT CONVEYORS. RAPIDS-STANDARD CO., INC., Grand Rapids, Mich.
Filed May 5, 1944. Serial No. 469,965. PUBLISHED SEPTEMBER 26, 1944. Class 23.

410,785. PIPE TOBACCO. WEBSTER EISENLOHR, INC., New York, N. Y.
Filed May 8, 1944. Serial No. 470,056. PUBLISHED OCTOBER 10, 1944. Class 17.

410,786. PUBLICATION FOR THOSE INTERESTED IN BOATS OF ALL KINDS, PARTS AND FITTINGS THEREFOR, AND BOAT MOTORS, ISSUED PERIODICALLY. JACKSON W. BARTON, Rosslyn, Va.
Filed May 9, 1944. Serial No. 470,065. PUBLISHED OCTOBER 3, 1944. Class 38.

410,787. SERIES OF SMALL SIZE EDITIONS OF STORIES PUBLISHED FROM TIME TO TIME. CRESTWOOD PUBLISHING CO. INC., New York, N. Y.
Filed May 13, 1944. Serial No. 470,220. PUBLISHED OCTOBER 10, 1944. Class 38.

410,788. ELECTRICAL EXTENSION LIGHTING APPARATUS FOR USE IN INSPECTION OF INTERIOR SURFACES AND OF OTHER NON-ACCESSIBLE AREAS, BY MEANS OF REFLECTING MIRRORS, PLAIN OR MAGNIFYING, AND PARTS THEREOF. LESTER S. VAN WAGNER, doing business as Van Wagner Co., Richmond Hill, N. Y.
Filed May 15, 1944. Serial No. 470,283. PUBLISHED OCTOBER 3, 1944. Class 21.

410,789. SCRIPTS FOR A SERIES OF RADIO BROADCASTS SOLD AS A PUBLICATION IN TRADE. WALTER W. CRIBBINS, San Francisco, Calif.
Filed May 22, 1944. Serial No. 470,490. PUBLISHED OCTOBER 10, 1944. Class 38.

410,790. BEER. M. K. GOETZ BREWING COMPANY, St. Joseph, Mo.
Filed May 22, 1944. Serial No. 470,495. PUBLISHED OCTOBER 3, 1944. Class 48.

410,791. MEN'S JACKETS. THE ALLIGATOR COMPANY, St. Louis, Mo.
Filed May 26, 1944. Serial No. 470,645. PUBLISHED AUGUST 1, 1944. Class 39.

410,792. PREPARED AND BOTTLED DILL PICKLES. JOHN A. WOOD, doing business as Pikle-Rite Company, not Inc., Pulaski, Wis., and Chicago, Ill.
Filed June 5, 1944. Serial No. 470,932. PUBLISHED OCTOBER 10, 1944. Class 46.

410,793. VITAMIN PREPARATION. CARL A. FUTTER, doing business as The Carlay Company, Chicago, Ill.
Filed June 19, 1944. Serial No. 471,395. PUBLISHED OCTOBER 3, 1944. Class 6.

410,794. PHOTOGRAPHS. DIXON LEROY MACQUIDDY, Santa Barbara, Calif.
Filed June 19, 1944. Serial No. 471,407. PUBLISHED OCTOBER 10, 1944. Class 38.

410,795. PERFUMES AND TOILET WATERS. LEONARD S. REICH, doing business as Renel, Mount Vernon, N. Y.
Filed June 19, 1944. Serial No. 471,419. PUBLISHED OCTOBER 3, 1944. Class 6.

410,796. VITAMIN PREPARATION FOR USE AS A POULTRY AND LIVESTOCK FEED SUPPLEMENT. WHITE LABORATORIES, INC., Newark, N. J.
Filed June 19, 1944. Serial No. 471,439. PUBLISHED OCTOBER 3, 1944. Class 6.

410,797. COLUMN OF NEWSPAPER OR MAGAZINE. SPIEGEL, INC., Chicago, Ill.
Filed July 26, 1944. Serial No. 472,656. PUBLISHED OCTOBER 10, 1944. Class 38.

410,798. MAGAZINES. LIVING PUBLISHING COMPANY, New York, N. Y.
Filed July 29, 1944. Serial No. 472,745. PUBLISHED OCTOBER 10, 1944. Class 38.

410,799. COMIC STRIP. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio.
Filed July 29, 1944. Serial No. 472,749. PUBLISHED OCTOBER 10, 1944. Class 38.

410,800. CANDY BARS. JOHN W. WRIGHT, Philadelphia, Pa.
Filed August 3, 1944. Serial No. 472,920. PUBLISHED OCTOBER 10, 1944. Class 46.

410,801. MONTHLY MAGAZINES. THE AMERICAN STEEL AND WIRE COMPANY OF NEW JERSEY, Cleveland, Ohio.
Filed August 4, 1944. Serial No. 472,923. PUBLISHED OCTOBER 10, 1944. Class 38.

410,802. ELECTRICALLY OPERATED HOISTS AND PARTS THEREOF. THE MASTER ELECTRIC COMPANY, Dayton, Ohio.
Filed August 4, 1944. Serial No. 472,958. PUBLISHED OCTOBER 3, 1944. Class 21.

410,803. CANNED DOG AND CAT FOOD. LOTTIE PEDERSON, doing business as T & H Products Company, Mount Vernon, Wash.
Filed August 4, 1944. Serial No. 472,967. PUBLISHED OCTOBER 10, 1944. Class 46.

410,804. FRESH CITRUS FRUITS, FRESH VEGETABLES, CANNED CITRUS JUICES, AND CANNED VEGETABLE JUICES. G. O. MCDANIEL, doing business as G. O. McDaniel Co., Edcouch, Tex.
Filed August 5, 1944. Serial No. 472,986. PUBLISHED OCTOBER 10, 1944. Class 46.

410,805. FRESH CITRUS FRUITS AND FRESH VEGETABLES. G. O. MCDANIEL, doing business as G. O. McDaniel Co., Edcouch, Tex.
Filed August 5, 1944. Serial No. 472,987. PUBLISHED OCTOBER 10, 1944. Class 46.

410,806. WHISKEY. BERNHEIM DISTILLING COMPANY, Louisville, Ky.
Filed August 8, 1944. Serial No. 473,052. PUBLISHED OCTOBER 10, 1944. Class 49.

410,807. FRESH CITRUS FRUITS. LAKE BYRD CITRUS PACKING CO., Avon Park, Fla.
Filed August 10, 1944. Serial No. 473,150. PUBLISHED OCTOBER 10, 1944. Class 46.

410,808. SAUCE FOR SEA FOOD AND COLD CUTS. BLUE PLATE FOODS, INC., New Orleans, La.
Filed August 23, 1944. Serial No. 473,529. PUBLISHED OCTOBER 10, 1944. Class 46.

410,809. ACETOACETARYLIDES, ACETONE, ALPHA ALPHA DIMETHYL ALPHA PRIME CARBOBUTOXYDIHYDRO GAMMA PYRONE, ETC. U. S. INDUSTRIAL CHEMICALS, INC., New York, N. Y.
Filed June 7, 1944. Serial No. 471,007. PUBLISHED OCTOBER 3, 1944. Class 6.

410,810. ACETOACETARYLIDES, ACETONE, ALPHA ALPHA DIMETHYL ALPHA PRIME CARBOBUTOXYDIHYDRO GAMMA PYRONE, ETC. U. S. INDUSTRIAL CHEMICALS, INC., New York, N. Y.
Filed June 7, 1944. Serial No. 471,008. PUBLISHED OCTOBER 3, 1944. Class 6.

410,811. FRENCH DRESSING. LOUIS MILANI FOODS, Chicago, Ill.
Filed June 12, 1944. Serial No. 471,160. PUBLISHED OCTOBER 10, 1944. Class 46.

410,812. PERFUMES, TOILET WATERS, EAU DE COLOGNE, FACE AND TALCUM POWDERS, BATH SALTS, ROUGE, BRILLIANTINE, LOTIONS FOR THE SKIN AND HAIR, FACE CREAMS, LIPSTICKS, AND SACHETS. MAURICE BABANI, New York, N. Y.
Filed June 13, 1944. Serial No. 471,177. PUBLISHED OCTOBER 3, 1944. Class 6.

410,813. ELECTRICAL THERMOSTATS. GENERAL THERMOSTAT CORPORATION, New York, N. Y.
Filed June 14, 1944. Serial No. 471,212. PUBLISHED OCTOBER 3, 1944. Class 26.

410,814. PREPARATION FOR USE IN THE TREATMENT OF ASTHMA AND BRONCHITIS. IDA HOGBIN, New York, N. Y.
Filed June 14, 1944. Serial No. 471,216. PUBLISHED OCTOBER 3, 1944. Class 6.

410,815. POULTRY MEDICINES—NAMELY, INTESTINAL ASTRINGENT, PREPARATION FOR CHECKING INTERNAL INFECTIONS, TONIC, AND MILD WORM REMOVER, ETC. FRED H. MOORE, doing business as Hilltop Laboratories, Minneapolis, Minn.
Filed June 15, 1944. Serial No. 471,269. PUBLISHED OCTOBER 3, 1944. Class 6.

410,816. LIQUID FOR EXTERNAL USE FOR FUNGUS INFECTIONS. HAROLD U. SELLECK, doing business as H. S. Specialty Co., Tacoma, Wash.
Filed June 16, 1944. Serial No. 471,320. PUBLISHED OCTOBER 3, 1944. Class 6.

410,817. WATCHES. DOVER JEWELRY CO., INC., New York, N. Y.
Filed June 17, 1944. Serial No. 471,335. PUBLISHED OCTOBER 10, 1944. Class 27.

410,818. WATCHES. DOVER JEWELRY CO., INC., New York, N. Y.
Filed June 17, 1944. Serial No. 471,336. PUBLISHED OCTOBER 10, 1944. Class 27.

410,819. SULFATHIAZOL SOLUTIONS. FOSTER-MCCLELLAN CO., Buffalo, N. Y.
Filed June 17, 1944. Serial No. 471,337. PUBLISHED OCTOBER 3, 1944. Class 6.

410,820. LADIES' UNDERWEAR. MEYER MILLER, doing business as Miller Underwear Co., New York, N. Y.
Filed June 17, 1944. Serial No. 471,354. PUBLISHED SEPTEMBER 26, 1944. Class 39.

410,821. HAMMERS WITH RENEWABLE AND REVERSIBLE TIPS. KENSINGTON STEEL COMPANY, Chicago, Ill.
Filed June 21, 1944. Serial No. 471,481. PUBLISHED OCTOBER 10, 1944. Class 23.

410,822. PHARMACEUTICAL PREPARATIONS—NAMELY, A VITAMIN PREPARATION FOR INTERNAL USE FOR TREATMENT OF VITAMIN DEFICIENCY. VITAMIN STORE OF IOWA, Des Moines, Iowa.
Filed June 28, 1944. Serial No. 471,772. PUBLISHED OCTOBER 3, 1944. Class 6.

410,823. PHARMACEUTICAL PREPARATION—NAMELY, A TOPICAL PREPARATION OF SULFANILIMIDE AND SULFATHIAZOLE IN A CREAM TYPE OF WATER-MISCIBLE BASE. WESTERFIELD PHARMACAL CO. INC., Dayton, Ohio.
Filed June 29, 1944. Serial No. 471,825. PUBLISHED OCTOBER 3, 1944. Class 6.

410,824. HOSIERY. INTERWOVEN STOCKING COMPANY, New Brunswick, N. J.
Filed June 30, 1944. Serial No. 471,833. PUBLISHED SEPTEMBER 26, 1944. Class 39.

410,825. INSECTICIDES. STAFFORD ALLEN & SONS, LIMITED, London and Long Melford, Suffolk, England.
Filed July 6, 1944. Serial No. 471,935. PUBLISHED OCTOBER 3, 1944. Class 6.

410,826. NON-ALCOHOLIC MALTLESS BEVERAGES SOLD AS SOFT DRINKS. EASTERN NEW ENGLAND SPACARB CORPORATION, New York, N. Y.
Filed July 6, 1944. Serial No. 471,946. PUBLISHED OCTOBER 10, 1944. Class 45.

410,827. COCKTAIL BITTERS. L. E. JUNG & WULFF CO. INC., New York, N. Y.
Filed July 7, 1944. Serial No. 471,976. PUBLISHED OCTOBER 10, 1944. Class 49.

410,828. COCKTAIL BITTERS. L. E. JUNG & WULFF CO. INC., New York, N. Y.
Filed July 7, 1944. Serial No. 471,977. PUBLISHED OCTOBER 10, 1944. Class 49.

410,829. WEEKLY PUBLICATION CONTAINING METAPHYSICORELIGIOUS SUBJECT MATTER. OTTO MULLER, doing business as Triological Institute, New York, N. Y.
Filed July 7, 1944. Serial No. 471,980. PUBLISHED OCTOBER 3, 1944. Class 38.

410,830. MEDICINAL PREPARATION FOR THE TREATMENT OF PEDICULOSIS. WYETH INCORPORATED, Philadelphia, Pa.
Filed July 7, 1944. Serial No. 471,994. PUBLISHED OCTOBER 3, 1944. Class 6.

410,831. NON-ALCOHOLIC, MALTLESS, CARBONATED BEVERAGES SOLD AS SOFT DRINKS AND SYRUPS AND FLAVORS FOR MAKING THE SAME. BENJAMIN K. ALLEN, doing business as National Fruit Products, Memphis, Tenn.
Filed July 10, 1944. Serial No. 472,025. PUBLISHED OCTOBER 10, 1944. Class 45.

410,832. DRESS AND SPORTS SHIRTS. GRUNWALD-MARX, Los Angeles, Calif.
Filed July 10, 1944. Serial No. 472,057. PUBLISHED SEPTEMBER 26, 1944. Class 39.

410,833. PERFUMES. RENOIR PARFUMS, LTD., New York, N. Y.
Filed July 10, 1944. Serial No. 472,080. PUBLISHED OCTOBER 3, 1944. Class 6.

410,834. SLACKS AND SPORT SHIRTS. SEMINOLE MANUFACTURING COMPANY, Columbus, Miss.
Filed July 10, 1944. Serial No. 472,081. PUBLISHED SEPTEMBER 26, 1944. Class 39.

410,835. MEN'S AND BOYS' TOPCOATS AND OVERCOATS. JACOB SIEGEL COMPANY, Philadelphia, Pa.
Filed July 10, 1944. Serial No. 472,084. PUBLISHED SEPTEMBER 26, 1944. Class 39.

410,836. INSECTICIDE AND LINOLEATES. VITA-VAR CORPORATION, Newark, N. J.
Filed July 10, 1944. Serial No. 472,091. PUBLISHED OCTOBER 3, 1944. Class 6.

410,837. MEN'S FLANNEL SUITS AND FLEECE OVERCOATS. CARSON PIRIE SCOTT & COMPANY, Chicago, Ill.
Filed July 11, 1944. Serial No. 472,094. PUBLISHED SEPTEMBER 26, 1944. Class 39.

410,838. SKIN CREAM AND SKIN LOTION. GWINN-EVANS, INC., Baltimore, Md.
Filed July 12, 1944. Serial No. 472,146. PUBLISHED OCTOBER 3, 1944. Class 6.

410,839. LAXATIVE PREPARATION. LILLIE B. BROWN, Bellwood, Ala.
Filed July 13, 1944. Serial No. 472,178. PUBLISHED OCTOBER 3, 1944. Class 6.

410,840. POULTRY PREPARATIONS—NAMELY, INHALANT FOR DISEASES OF THE RESPIRATORY ORGANS, INTESTINAL ASTRINGENT, WORM TABLETS, TONIC, LOUSE POWDER, AND INSECTICIDES. J. H. LEWIS, INC., doing business under the name Chiksol Products Company, St. Paul, Minn.
Filed July 13, 1944. Serial No. 472,208. PUBLISHED OCTOBER 3, 1944. Class 6.

410,841. LAXATIVE, THE INGREDIENTS OF WHICH ARE EPSOM SALTS, GLYCERINE, AND WATER. BATHRICK INC., Los Angeles, Calif.
Filed July 14, 1944. Serial No. 472,229. PUBLISHED OCTOBER 3, 1944. Class 6.

410,842. TRANSPARENT WAVE SET AND TOILET WATER. MANHATTAN KREOLE PRODUCTS INC., also doing business as Sani-Sealed Laboratories, Brooklyn, N. Y.
Filed July 15, 1944. Serial No. 472,284. PUBLISHED OCTOBER 3, 1944. Class 6.

410,843. LAXATIVE. H. B. RAYNOR, doing business as H. B. Raynor Chemical Co. and also as H. B. Raynor Laboratory, Chicago, Ill.
Filed July 15, 1944. Serial No. 472,302. PUBLISHED OCTOBER 3, 1944. Class 6.

410,844. MEDICINAL PREPARATION DESIGNED TO BE USED IN THE TREATMENT OF BLADDER AND KIDNEY AILMENTS. H. B. RAYNOR, doing business as H. B. Raynor Chemical Co. and also as H. B. Raynor Laboratory, Chicago, Ill.
Filed July 15, 1944. Serial No. 472,303. PUBLISHED OCTOBER 3, 1944. Class 6.

410,845. PERFUMES. MAISON JEURELLE-SEVENTEEN, INC., New York, N. Y.
Filed July 19, 1944. Serial No. 472,392. PUBLISHED OCTOBER 3, 1944. Class 6.

410,846. FEED FOR LIVESTOCK AND POULTRY—NAMELY, GROWING MASH. HIGGINBOTHAM FEED & ELEVATOR COMPANY, Lamesa, Tex.
Filed July 20, 1944. Serial No. 472,419. PUBLISHED OCTOBER 10, 1944. Class 46.

410,847. CIGARETTES. JOHN W. WRIGHT, Philadelphia, Pa.
Filed July 21, 1944. Serial No. 472,489. PUBLISHED OCTOBER 10, 1944. Class 17.

410,848. JEWELRY—NAMELY, BRACELETS, NOT INCLUDING WATCHES, RINGS, NECKLACES, LOCKETS, BARRETTES, AND PINS. WALTER LAMPL, New York, N. Y.
Filed July 24, 1944. Serial No. 472,568. PUBLISHED OCTOBER 10, 1944. Class 28.

410,849. PADLOCKS AND KEYS. MILWAUKEE LOCK & MFG. CO., Milwaukee, Wis.
Filed July 24, 1944. Serial No. 472,575. PUBLISHED OCTOBER 10, 1944. Class 25.

410,850. WINE. WINE GROWERS GUILD, Lodi, Calif.
Filed July 24, 1944. Serial No. 472,602. PUBLISHED OCTOBER 3, 1944. Class 47.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

410,851. (CLASS 37. PAPER AND STATIONERY.) THE SANITARY PAPER MILLS, INC., Burnside, Conn.
Filed Sept. 8, 1941. Serial No. 446,893.

DRY
PLY

FOR CLEANSING OR FACIAL TISSUES.
Claims use since Aug. 6, 1941.

410,852. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE CHULA VISTA CITRUS ASSOCIATION, Chula Vista, Calif. Filed Dec. 7, 1942. Serial No. 457,237.

PEERLESS

FOR FRESH CITRUS FRUITS.
Claims use since 1900.

410,853. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) PAUL VAN DRIMMELEN, doing business as Franklin Optical Company, Buffalo, N. Y. Filed Sept. 24, 1943. Serial No. 463,661.

BEACH MULTI-FOCAL LENSES

FOR EYE GLASS LENSES.
Claims use since July 1, 1939.

410,854. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) L. S. HUNN, doing business as L. S. Hunn Packing Co., Woodlake, Calif. Filed Oct. 15, 1943. Serial No. 464,170.

WOODLAKE

FOR CANNED OLIVES.
Claims use since Sept. 27, 1943.

410,855. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHARLES LARGE, Jamaica, N. Y. Filed Nov. 1, 1943. Serial No. 464,577.

PIGGY IN A BLANKET

FOR FOOD PRODUCTS MADE OF BEEF AND SWEET RELISH, WRAPPED IN A STRIP OF BACON.
Claims use since Sept. 16, 1943.

410,856. (CLASS 31. FILTERS AND REFRIGERATORS.) MERLIN A. STICELBER, doing business as Quik-Seal, Inc., Kansas City, Mo. Filed Nov. 1, 1943. Serial No. 464,591.

QUIK-KOOL

FOR DIRECT EXPANSION COOLING APPARATUS FOR DOUGH MIXER BOWLS AND COMBINATION DIRECT EXPANSION COOLING APPARATUS FOR DOUGH MIXER BOWLS AND MAKE-UP WATER.
Claims use since Feb. 15, 1941.

410,857. (CLASS 12. CONSTRUCTION MATERIALS.) GENERAL REFRACTORIES COMPANY, Philadelphia, Pa. Filed Jan. 26, 1944. Serial No. 466,888.

ORVIS

FOR STANDARD REFRACTORY BRICK.
Claims use since May 1903.

410,858. (CLASS 12. CONSTRUCTION MATERIALS.) GENERAL REFRACTORIES COMPANY, Philadelphia, Pa. Filed Jan. 26, 1944. Serial No. 466,894.

TROUP

FOR STANDARD REFRACTORY BRICK.
Claims use since October 1943.

410,859. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) INDUSTRIAL ABRASIVES, INC., Chicago, Ill. Filed Mar. 20, 1944. Serial No. 468,451.

SUPER-CUT

FOR DIAMOND ABRASIVE WHEELS AND COATED ABRASIVE DISCS.
Claims use since Sept. 13, 1943.

410,860. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MILLER DRUG STORES, INC., also doing business as Parfums Gine, Cleveland, Ohio. Filed Mar. 29, 1944. Serial No. 468,804.

Gine

FOR COSMETIC AND TOILETRY PRODUCTS—NAMELY, HAND AND FACE CREAMS, SUN CREAM AND OIL, ASTRINGENTS, TOILET WATERS, PERFUMES, SKIN LOTIONS, BATH OILS, SOAPLESS SHAMPOO, OLIVE OIL SHAMPOO, PINE TAR SHAMPOO, MASCARA, EYE SHADOW, FACE POWDERS, ROUGES IN DRY AND PASTE FORM, LIPSTICK, AND BODY POWDER.
Claims use since on or about Sept. 1, 1930.

410,861. (CLASS 12. CONSTRUCTION MATERIALS.) LUBRI-GEL PRODUCTS, McCracken, Kans. Filed Apr. 15, 1944. Serial No. 469,360.

LUBRI-PLASTIC

FOR HYDROUS ALUMINUM SILICATE WHICH FORMS AN OIL OR GAS WELL MUD WHEN MIXED WITH WATER.
Claims use since Dec. 2, 1941.

410,862. (CLASS 12. CONSTRUCTION MATERIALS.) LUBRI-GEL PRODUCTS, McCracken, Kans. Filed Apr. 15, 1944. Serial No. 469,362.

LUBRI-WEIGHT

FOR PULVERIZED CELESTITE WHICH ACTS AS A WEIGHTING AGENT IN AN OIL OR GAS WELL MUD.
Claims use since Feb. 1, 1941.

410,863. (CLASS 37. PAPER AND STATIONERY.) LAVERNE ORIGINALS, New York, N. Y. Filed Apr. 17, 1944. Serial No. 469,404.



FOR WALL PAPERS.
Claims use since December 1942.

410,864. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) CROYDON CHINA CORPORATION, Trenton, N. J. Filed May 25, 1944. Serial No. 470,603.

CROYDON

FOR CERAMIC LAMP BASES FOR TABLE LAMPS, COMMODE LAMPS AND VANITY LAMPS, AND LAMP SHADES.
Claims use since July 14, 1939.

410,865. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) PRINCETON CHINA CORPORATION, New York, N. Y. Filed May 25, 1944. Serial No. 470,632.

PRINCETON

FOR CERAMIC LAMP BASES FOR TABLE LAMPS, COMMODE LAMPS AND VANITY LAMPS, AND LAMP SHADES.
Claims use since Dec. 22, 1941.

410,866. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JESSIE L. WHITE, Humboldt, Tenn. Filed June 2, 1944. Serial No. 470,870.



FOR HAIR OIL.
Claims use since August 1943.

410,867. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) SAGINAW PRODUCTS CORPORATION, Saginaw, Mich. Filed June 12, 1944. Serial No. 471,169.

Saginaw

FOR FURNITURE CASTERS.
Claims use since 1932.

410,868. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE J. E. HARRIS COMPANY, doing business as Arlington Paint & Varnish Company, Wooster, Ohio. Filed July 13, 1944. Serial No. 472,199.

ARLINGTON

FOR PAINT PRODUCTS—NAMELY, FLOOR AND PORCH ENAMELS, SCREEN ENAMEL, PREPARED READY-MIXED PAINTS, QUICK DRYING ENAMELS, LINOLEUM VARNISH, VARNISH STAINS, AND HOUSEHOLD PUTTY.
Claims use since February 1905.

410,869. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JULES MONTENIER, doing business as Select Cosmetics, Chicago, Ill. Filed Aug. 5, 1944. Serial No. 472,989.

Stay-Sheen

FOR COSMETIC PREPARATIONS—NAMELY, CONDITIONING BRILLIANTINE, HAIR LACQUER AND PADS TREATED WITH HAIR LACQUER.
Claims use on conditioning brilliantine since on or about Oct. 14, 1931; on hair lacquer since on or about May 11, 1942; on hair lacquer pads since on or about Aug. 16, 1943.

410,870. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) BENJAMIN JAMES HARDY, doing business as Colorthru Chemicals, New York, N. Y. Filed Aug. 14, 1944. Serial No. 473,249.

TRIPLE ACTION PERFORMANCE

FOR PAINTS IN READY-MIXED FORM.
Claims use since September 1942.

410,871. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THOMAS A. FOWLER, Kansas City, Mo. Filed Sept. 4, 1944. Serial No. 473,886.

FOWLER'S ABSORBENT

FOR MEDICINE FOR DOMESTIC ANIMALS TO BE USED EXTERNALLY FOR CUTS, BRUISES, AND SPRAINS.
Claims use since July 1914.

410,872. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GORTON-PEW FISHERIES COMPANY, LTD., Gloucester, Mass. Filed Sept. 11, 1944. Serial No. 474,074.

DUNCANSBY HEAD

Applicant is the owner of Reg. No. 173,570.
FOR SMOKED HERRING.
Claims use since Dec. 1, 1903.

410,873. (CLASS 11. INKS AND INKING MATERIALS.) PORT HURON SULPHITE & PAPER COMPANY, Port Huron, Mich. Filed Sept. 12, 1944. Serial No. 474,130.



FOR CARBON PAPER.
Claims use since Sept. 15, 1942.

410,874. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HOLBROOKE CANDIES, INC., Brooklyn, N. Y. Filed Sept. 14, 1944. Serial No. 474,197.

CHATHAM

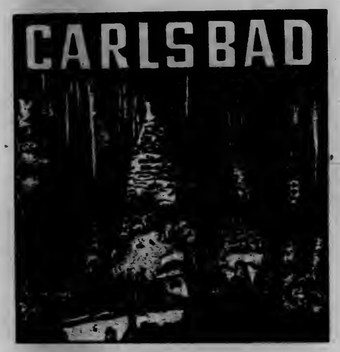
FOR CANDY.
Claims use since October 1937.

410,875. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ADOLF J. MAINZER, INC., Long Island, N. Y. Filed Sept. 16, 1944. Serial No. 474,202.

HONEY-LACK

FOR A GLAZING FOR PASTRIES AND ALL BAKED GOODS.
Claims use since June 1930.

410,876. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) C. A. CHURCH, doing business as Rio Grande Produce Co., Salinas, Calif. Filed Oct. 2, 1944. Serial No. 474,783.



FOR FRESH VEGETABLES—NAMELY, FRESH CARROTS.

Claims use since Nov. 6, 1942.

410,877. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) MANHATTAN NOVELTY COMPANY, New York, N. Y. Filed Oct. 9, 1944. Serial No. 475,122.

TRAVELRITE

FOR COMBINATION DRESSING CASES AND WRITING KITS.

Claims use since Apr. 15, 1943.

410,878. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) CORALITE DENTAL PRODUCTS COMPANY, Chicago, Ill. Filed Oct. 12, 1944. Serial No. 475,248.

No Foil - No Check

FOR A LIQUID PREPARATION USED BY THE DENTAL PROFESSION INSTEAD OF TINFOIL, AND TO PREVENT CHECKED TEETH.

Claims use since Jan. 30, 1941.

TRADE-MARK REGISTRATIONS RENEWED

26,368. **BOSS.** PAPER AND PAPER BAGS. Registered April 9, 1895. ATLANTA PAPER COMPANY, Atlanta, Ga., a corporation of Georgia. Re-renewed April 9, 1945.

183,355. **"GOLD CROWN" AND DRAWING.** WHEAT FLOUR. Registered April 29, 1924. AFRICAN & EASTERN TRADING CO., INC., New York, N. Y., a corporation of New York. Renewed April 29, 1944.

189,031. **"HAND & SCEPTRE" AND DRAWING.** WHEAT FLOUR. Registered September 9, 1924. AFRICAN & EASTERN TRADING CO., INC., New York, N. Y., a corporation of New York. Renewed September 9, 1944.

189,524. **N-O NICHOLSON'S OINTMENT.** OINTMENT USED IN THE TREATMENT OF CROUP, WHOOPING COUGH, SORE THROAT, TONSILLITIS, BRONCHITIS, ASTHMA, HEAD COLDS, SPRAINS, INFLAMMATION, PILES, HEMORRHOIDS, POISON-WEED ITCHING, AND HEAT CHAFING, FOR EXTERNAL OR INTERNAL APPLICATION. Registered September 23, 1924. S. H. NICHOLSON, Decatur, Ill. Renewed September 23, 1944, to Pearl Smith Nicholson (Mrs. S. H. Nicholson), Danville, Ill., successor.

189,525. **"S. H. NICHOLSON", ETC.** LAXATIVE. Registered September 23, 1924. S. H. NICHOLSON, Decatur, Ill. Renewed September 23, 1944, to Pearl Smith Nicholson (Mrs. S. H. Nicholson), Danville, Ill., successor.

190,386. **ZIG ZAG.** INDUCTANCE COILS. Registered October 14, 1924. THE CONNECTICUT TELEPHONE & ELECTRIC COMPANY, INCORPORATED. Renewed October 14, 1944, to Great American Industries, Inc., Meriden, Conn., a corporation of Delaware, assignee by mesne assignments.

190,771. **"PETER PAN" AND DESIGN.** BREAD. Registered October 21, 1924. PETERSEN & PEGAU BAKING CO., now by change of name P. F. Petersen Baking Company. Renewed October 21, 1944, to P. F. Petersen Baking Company, Omaha, Nebr., a corporation of Nebraska.

190,901. **DOT.** LUBRICANTS. Registered October 28, 1924. CARR FASTENER COMPANY. Renewed October 28, 1944, to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts, assignee.

191,195. **"BARCO" AND DESIGN.** VINEGAR; CERTAIN NAMED CANNED VEGETABLES; PRESERVED VEGETABLES; CERTAIN NAMED CANNED FRUITS; PRESERVED FRUITS; DRIED FRUITS; CRUSHED FRUITS; FRUIT JAMS; FRUIT BUTTERS; FRUIT MARMALADES; FRUIT JELLIES; CANNED FISH—VIZ, CLAMS, SALMON, CRAB MEAT; SALT FISH, CLAM JUICE; CERTAIN NAMED CANNED MEATS; CERTAIN NAMED CEREALS; AND CERTAIN OTHER NAMED GROCERIES. Registered November 4, 1924. B. A. RAILTON COMPANY, Chicago, Ill., a corporation of Illinois. Renewed November 4, 1944.

191,269. **ICY.** CANNED SALMON. Registered November 4, 1924. STUART PACKING CORPORATION. Renewed November 4, 1944, to Alaska Pacific Salmon Company, Seattle, Wash., a corporation of Nevada, assignee by mesne assignments.

191,278. **GOODANUGLY.** CANDY. Registered November 4. 1924. THE UNDERWOOD-TALMAGE CO. Renewed November 4, 1944, to Truman E. Talmage, Dayton, Ohio, successor.

191,319. **GOLD BAND REEDS.** REEDS FOR WOODWIND MUSICAL INSTRUMENTS. Registered November 4, 1924. CARL FISCHER, INC., New York, N. Y., a corporation of New York. Renewed November 4, 1944.

191,346. **ARROW BRAND.** SPICES, BARLEY, RICE FLOUR AND PEARL TAPIOCA. Registered November 4. 1924. VAN LOAN & COMPANY. Renewed November 4, 1944, to Van Loan & Co. Inc., New York, N. Y., a corporation of New York, assignee.

191,816. **"SOUTHERN BEAUTY" AND DRAWING.** RICE. Registered November 18, 1924. STANDARD RICE COMPANY, INC., Houston, Tex., a corporation of Texas. Renewed November 18, 1944.

192,178. **IODOCAL.** IODIZED CALCIUM MEDICATION PUT UP IN SOLID FORM, ALSO AS AN EMULSION USED IN THE TREATMENT OF BRONCHITIS, NON-DIPHTHERITIC CROUP, LARYNGITIS, PHARYNGITIS, PNEUMONIA, AND CATARRHAL CONDITIONS OF THE RESPIRATORY TRACT. Registered November 25, 1924. THE DRUG PRODUCTS CO. INC., Long Island City, N. Y., a corporation of New York. Renewed November 25, 1944.

192,514. **KB.** CORN FLOUR USED AS DRY PASTE AND CORE-BINDER MATERIAL. Registered December 9, 1924. KNEFLER BATES MFG. CO. Renewed December 9, 1944, to Knefler-Bates Company, Indianapolis, Ind., a corporation of Indiana, assignee.

192,524. **"I S CO" AND DRAWING.** DENTAL SUPPLIES—NAMELY, GOLD PLATE, GOLD SHELLS, GOLD DISKS, GOLD BACKING, FUSING METAL, PALLADIUM, GOLD SOLDERS, FILLING GOLD, CASTING GOLDS, PELLETS, INLAYS, PURE-GOLD NUGGETS, SADDLES, 18 Kt. AND 3% PLATINUM ALLOY, COIN AND 8% PLATINUM ALLOY, CAST CLASPS, LINGUAL BARS, ATTACHMENTS FOR REMOVABLE BRIDGEWORK, DENTURES, DENTAL PINS, AND CERTAIN OTHER NAMED DENTAL SUPPLIES. Registered December 9, 1924. I. STERN & Co. Renewed December 9, 1944, to I. Stern & Co., Inc., New York, N. Y., a corporation of New York, successor.

192,924. **"EKLA" AND DESIGN.** RUBBER TIRES. Registered December 16, 1924. THE ECLAT RUBBER COMPANY, Cuyahoga Falls, Ohio. Renewed December 16, 1944, to The Eclat Rubber Company, Cuyahoga Falls and Akron, Ohio, a corporation of Ohio.

193,024. **"LILIPUT" AND DRAWING.** PREPARED FOODS, SPECIFICALLY CANNED SARDINES. Registered December 16, 1924. MARIUS DE BRUYN, doing business as M. de Bruyn Importing Co. Renewed December 16, 1944, to Asche-Bandor Corporation, New York, N. Y., a corporation of New York, successor.

193,093. **NATRICO.** MEDICINAL PREPARATION USED IN THE TREATMENT OF HIGH BLOOD PRESSURE AND ALL FORMS OF HYPERTENSION OF THE CARDIO-VASCULAR SYSTEM. Registered December 16, 1924. THE DRUG PRODUCTS CO. INC., Long Island City, N. Y., a corporation of New York. Renewed December 16, 1944.

193,196. **"DOVE BACK" AND DRAWING.** MEN'S CRAVATS. Registered December 23, 1924. HUT NECKWEAR COMPANY, INC., New York, N. Y., a corporation of New York. Renewed December 23, 1944.

193,198. **PURLCREPE.** WOOLEN PIECE GOODS. Registered December 23, 1924. FORSTMANN & HUFFMANN COMPANY. Renewed December 23, 1944, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey, assignee.

193,199. **PURLSUEDE.** WOOLEN PIECE GOODS. Registered December 23, 1924. FORSTMANN & HUFFMANN COMPANY. Renewed December 23, 1944, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey, assignee.

193,298. **REPRESENTATION OF A GIRL DIVING.** SWIMMING SUITS. Registered December 23, 1924. JANTZEN KNITTING MILLS, Portland, Oreg., a corporation of Oregon. Renewed December 23, 1944.

193,501. **POWCO BRAND.** INSECT POWDER DERIVED OR PREPARED FROM PYRETHRUM OR OTHER VEGETABLE MATTER OR PRODUCTS. Registered December 30, 1924. JOHN POWELL & CO. INC., New York, N. Y., a corporation of New York. Renewed December 30, 1944.

193,524. **NAPHTOCHROM.** COAL-TAR COLORS. Registered December 30, 1924. SOCIETY OF CHEMICAL INDUSTRY IN BASLE, Basel, Switzerland, a limited liability company of Switzerland. Renewed December 30, 1944.

194,072. **GREEN COLORED BAND AROUND TOP OF HOSE.** MEN'S AND BOYS' HALF HOSE OR SOCKS. Registered January 13, 1925. INTERWOVEN STOCKING COMPANY, New Brunswick, N. J., a corporation of New Jersey. Renewed January 13, 1945.

194,226. **"WAYAGAMACK" AND DRAWING.** WOOD PULP, CHEMICAL PULP, SULPHATE AND SULPHITE PULP, SODA PULP AND EASY-BLEACHING PULP. Registered January 20, 1925. WAYAGAMACK PULP & PAPER COMPANY, LIMITED, Three Rivers, Quebec, Canada. Renewed January 20, 1945, to Consolidated Paper Corporation Limited, Montreal, Quebec, Canada, a corporation of Canada, assignee.

194,309. **ICY-HOT.** CARAFES; JUGS; COFFEE, TEA, CHOCOLATE AND BEVERAGE POTS AND PITCHERS; FLASKS; BOTTLES; JARS; MARMITES; TANKARDS; CONTAINERS FOR SOLID, LIQUID, AND VISCOUS FOODS; LIQUID-AIR CONTAINERS AND FILLERS INSULATED FOR RESISTING CHANGE OF TEMPERATURE OF CONTENTS, CASINGS AND CUPS FOR THE SAME; SHIPPING CASES; AND OTHER CERTAIN NAMED RECEPTACLES. Registered January 20, 1925. THE ICY-HOT BOTTLE COMPANY, Cincinnati, Ohio, a corporation of West Virginia, assignor to The Icy-Hot Bottle Company, a corporation of Ohio. Renewed January 20, 1945, to The American Thermos Bottle Company, Norwich, Conn., a corporation of Ohio, assignee by mesne assignments.

194,605. **CALIFRUIT.** FLAVORING EXTRACTS FOR FOODS; MARMALADES; JAMS; JELLIES; FRUIT PRESERVES; PICKLES; VEGETABLE RELISHES; LEMON CURD; CAKE FROSTING; HYDROGENATED OIL AND LARD SHORTENING; COCOA BUTTER. Registered February 3, 1925. CALIFORNIA LABORATORIES INC., Los Angeles, Calif. Renewed February 3, 1945, to Citrus Juice & Flavor Co. Ltd., Santa Ana, Calif., a corporation of Nevada, assignee by mesne assignments.

194,817. **"CEREBOS" AND DRAWING.** SALT. Registered February 10, 1925. CEREBOS, LIMITED, Greatham and London, England. Renewed February 10, 1945, to Cerebos, Limited, London, England, a corporation of the United Kingdom of Great Britain and Northern Ireland.

194,947. **"DAGGETT'S" AND DRAWING.** CONFECTIONERY. Registered February 10, 1925. DAGGETT CHOCOLATE COMPANY, Boston, Mass. Renewed February 10, 1945, to Daggett Chocolate Company, Cambridge, Mass., a corporation of Massachusetts.

195,005. **ICY-HOT.** LUNCH BOXES, LUNCHEON CASES, CARRYING CASES, LUNCH CASES AND KITS, SCHOOL CASES AND KITS, BEVERAGE CASES AND KITS, SPORTSMAN AND TOURISTS KITS, AND FOOD CASES AND KITS, MOTOR RESTAURANTS, RUNNING-BOARD RESTAURANTS, AUTO OUTFITS, AND TRUNKS, ALL BEING BOXES, CASES, KITS, OR CONTAINERS, RESPECTIVELY, FOR FOODS OR BEVERAGES, OR FOR RECEPTACLES TO CONTAIN FOODS OR BEVERAGES, OR FOR DISHES, UTENSILS, KNIVES, ETC. Registered February 17, 1925. THE ICY-HOT BOTTLE COMPANY, Cincinnati, Ohio, a corporation of West Virginia, assignor to The Icy-Hot Bottle Company, a corporation of Ohio, (incorporated in 1923). Renewed February 17, 1945, to The American Thermos Bottle Company, Norwich, Conn., a corporation of Ohio, assignee by mesne assignments.

195,169. **"WAYAGAMACK" AND DRAWING.** WRAPPING PAPER, WRITING PAPER, KRAFT PAPERS, AND ENVELOPES. Registered February 17, 1925. WAYAGAMACK PULP & PAPER COMPANY, LIMITED, Three Rivers, Quebec, Canada. Renewed February 17, 1945, to Consolidated Paper Corporation Limited, Montreal, Quebec, Canada, a corporation of Canada, assignee.

195,400. **"OLD MILL LINENS" AND DRAWING.** PURE LINENS IN THE PIECE. Registered February 24, 1925. GILMORE, BERMOND & CO., INC., New York, N. Y., a corporation of New York. Renewed February 24, 1945.

195,461. **ICY-HOT.** BOTTLES, JARS, CARAFES, JUGS, POTS, AND PITCHERS, TANKARDS, FLASKS; CONTAINERS FOR SOLID, LIQUID, AND VISCOUS FOODS; LIQUID-AIR CONTAINERS, FILLERS, INVERTED DISPENSING VESSELS, DRINKING GLASSES AND VESSELS, SERVING GLASSES AND VESSELS, SALT SHAKERS, PEPPER SHAKERS, AND DISHES, MADE OF GLASS. Registered February 24, 1925, to THE ICY-HOT BOTTLE COMPANY, Cincinnati, Ohio, a corporation of West Virginia, assignor to The Icy-Hot Bottle Company, a corporation of Ohio. Renewed February 24, 1945, to The American Thermos Bottle Company, Norwich, Conn., a corporation of Ohio, assignee by mesne assignments.

195,462. **ICY-HOT.** NAPKINS, TABLECLOTHS, AND DOILIES OF TEXTILE MATERIAL, AND FOR CASES, COVERS, LININGS, AND CUSHIONS MADE OF TEXTILE MATERIALS AND USED FOR BOTTLES, JARS, CARAFES, JUGS, POTS, PITCHERS, TANKARDS, FLASKS, CANS, MARMITES, CONTAINERS FOR SOLID, LIQUID, AND VISCOUS FOODS, LIQUID-AIR CONTAINERS, HEAT-INSULATED VESSELS AND HOT-WATER BOTTLES. Registered February 24, 1925. THE ICY-HOT BOTTLE COMPANY, Cincinnati, Ohio, a corporation of West Virginia, assignor to The Icy-Hot Bottle Company, a corporation of Ohio. Renewed February 24, 1945, to The American Thermos Bottle Company, Norwich, Conn., a corporation of Ohio, assignee by mesne assignments.

195,482. **ROSE-DALE.** DRIED BEEF. Registered February 24, 1925. LIBBY, MCNEILL & LIBBY, Chicago, Ill., a corporation of Maine. Renewed February 24, 1945.

195,539. **"ANCHOR" AND DRAWING.** COTTON PIECE GOODS. Registered February 24, 1925. MINOT, HOOPER & CO., New York, N. Y., a firm. Renewed February 24, 1945.

195,609. **REPRESENTATION OF A RED COLORED DISK.** CHAIN LADDERS. Registered February 24, 1925. FREDERIC J. BRYANT, doing business as American Chain Ladder Company. Renewed February 24, 1945, to American Chain Ladder Co., Inc., New York, N. Y., a corporation of New York, assignee.

195,664. **BATESCRAFT.** BEDSPREADS. Registered March 3, 1925. BATES MANUFACTURING COMPANY, Lewiston, Maine, a corporation of Maine. Renewed March 3, 1945.

195,746. **ICY-HOT.** TABLE KNIVES, TABLE FORKS, TABLE SPOONS, SUGAR SPOONS, PICKLE FORKS, AND KNIVES, FORKS, AND SPOONS EMPLOYABLE IN THE PREPARATION AND SERVING OF FOODS AND BEVERAGES, MADE OF BASE METAL. Registered March 3, 1925. THE ICY-HOT BOTTLE COMPANY, Cincinnati, Ohio, a corporation of West Virginia, assignor to The Icy-Hot Bottle Company, a corporation of Ohio. Renewed March 3, 1945, to The American Thermos Bottle Company, Norwich, Conn., a corporation of Ohio, assignee by mesne assignments.

195,747. **ICY-HOT.** PLATES, CUPS AND SAUCERS, OF ALUMINUM, ENAMELWARE, OR BASE METAL, POTS, PANS, AND DISHES OF ALUMINUM, ENAMELWARE, OR BASE METAL, FOR PREPARING OR SERVING FOODS OR BEVERAGES, SALT SHAKERS; PEPPER SHAKERS; SUPPORTS, BRACKETS, STANDS, HANDLES, HOLDERS AND TRAYS FOR HOUSEHOLD USE AND FOR SUPPORTING AND RECEIVING BOTTLES, JARS, CARAFES, JUGS, POTS, PITCHERS, CUPS, GLASSES, KNIVES, FORKS, SPOONS, PLATES AND BEVERAGE AND FOOD UTENSILS. Registered March 3, 1925, THE ICY-HOT BOTTLE COMPANY, Cincinnati, Ohio, a corporation of West Virginia, assignor to The Icy-Hot Bottle Company, a corporation of Ohio. Renewed March 3, 1945, to The American Thermos Bottle Company, Norwich, Conn., a corporation of Ohio, assignee by mesne assignments.

196,119. **FLAT-RATE.** AUTOMOTIVE REPAIR TOOLS—NAMELY, PROPELLER-SHAFT PULLERS, WHEEL PULLERS, HUB-BEARING-SLEEVE PULLERS, REAR-AXLE BEARING AND HOUSING PULLERS, STEERING-WHEEL PULLERS, BUSHING PULLERS, UNIVERSAL-JOINT PULLERS, CRANKSHAFT-GEAR AND FAN-PULLEY PULLERS, FAN-PULLEY PULLERS, GENERATOR-GEAR PULLERS, STEERING-WORM PULLERS, ALL-PURPOSE BENDING IRONS, AND CERTAIN OTHER NAMED TOOLS. Registered March 10, 1925. KENT-MOORE ORGANIZATION. Renewed March 10, 1945, to Kent-Moore Organization, Inc., Detroit, Mich., a corporation of Michigan, successor.

196,125. **SPRING GARDEN.** CANNED VEGETABLES. Registered March 10, 1925. WM. GRECHT CO., Baltimore, Md., a corporation of Maryland. Renewed March 10, 1945.

196,131. **MAYFLOWER.** FRESH GRAPES. Registered March 10, 1925. MAYFLOWER FRUIT ASSOCIATION, Exeter, Calif., a corporation of California. Renewed March 10, 1945.

196,464. **MASTER.** ELECTRIC MOTORS AND PARTS THEREOF, SHORT CIRCUITERS, CENTRIFUGALLY-OPERATED ELECTRIC CUT-OUTS. Registered March 17, 1925. THE MASTER ELECTRIC COMPANY, Dayton, Ohio, a corporation of Ohio. Renewed March 17, 1945.

196,534. **OCECO.** AUTOMATIC FIRE EXTINGUISHER LIQUID. Registered March 17, 1925. THE OIL CONSERVATION ENGINEERING COMPANY. Renewed March 17, 1945, to The Johnston & Jennings Company, Cleveland, Ohio, a corporation of Ohio, assignee.

196,614. **MAXCO.** FOOD FOR POULTRY, GAME, AND BIRDS. Registered March 24, 1925. SPRATT'S PATENT (AMERICA) LIMITED, London, England, and Newark, N. J. Renewed March 24, 1945, to Spratt's Patent (America) Limited, Newark, N. J., a corporation of Great Britain.

196,637. **REPRESENTATION OF A TRIANGULAR DESIGN.** COMPRESSION BIBBS, CLOSET BOLTS, SINK BOLTS, TOGGLE BOLTS, FURNACE BULBS, BALL-COCK SEAT CAPS, FULLER CAPS, BEAD CHAINS, BASIN CLAMPS, HOSE CLAMPS, AIR COCKS, BALL COCKS, BOILER-DRAIN COCKS, COMPRESSION STOP AND WASTE COCKS, SILL COCKS, BASIN CONNECTIONS, HOSE COUPLINGS, SINK COUPLINGS, SLIP-JOINT COUPLINGS, FULLER ECCENTRICS, AND OTHER CERTAIN NAMED HARDWARE. Registered March 24, 1925. ROSS MANUFACTURING CO., Kansas City, Mo., a corporation of Missouri. Renewed March 24, 1945.

196,832. **MARVELART.** COVER PAPER. Registered March 31, 1925. THE MARVELLUM COMPANY, Holyoke, Mass., a corporation of Massachusetts. Renewed March 31, 1945.

197,013. **FLAMING YOUTH.** BRASSIÈRES. Registered April 7, 1925. MODEL BRASSIERE CO. INC., New York, N. Y. Renewed April 7, 1945, to Model Brassiere Corp., Brooklyn, N. Y., a corporation of New York, assignee.

197,062. **"POLL PARROT" AND DRAWING.** OVERALLS AND OVERALL JACKETS. Registered April 7, 1925. ECKERLING BROTHERS, Chicago, Ill., a firm. Renewed April 7, 1945.

197,092. **WEDGEWOOD.** WOOD, COAL AND GAS STOVES AND RANGES. Registered April 7, 1925. JAMES GRAHAM MANUFACTURING CO., San Francisco, Calif. Renewed April 7, 1945, to James Graham Manufacturing Co., Newark, Calif., a corporation of California.

197,110. **"FORT SCOTT CEMENT" AND DESIGN.** HYDRAULIC CEMENT. Registered April 7, 1925. FORT SCOTT HYDRAULIC CEMENT CO. Renewed April 7, 1945, to Howard M. Thomas, doing business as Fort Scott Hydraulic Cement Company, Fort Scott, Kans., successor.

197,147. **"DEARBORN" AND DRAWING.** COMPOUND DESIGNED TO CLEAN FOREIGN SUBSTANCES BY CHEMICAL ACTION FROM METAL PARTS AND GLASS EARTHENWARE AND OTHER CONTAINERS AND COMPOUNDED WITH RUST-PROHIBITING CHEMICALS DESIGNED TO PREVENT CORROSION OF PARTS AFTER CLEANING. Registered April 14, 1925. DEARBORN CHEMICAL COMPANY, Chicago, Ill., a corporation of Illinois. Renewed April 14, 1945.

197,293. **BETTY'S. CAKE MIX.** Registered April 14, 1925. JOE LOWE CO. INC., Brooklyn, N. Y. Renewed April 14, 1945, to Joe Lowe Corporation, New York, N. Y., a corporation of Delaware, assignee.

197,335. **"ZAPON" AND DESIGN.** READY-MIXED PAINTS AND ENAMELS; PAINT COLORS, VARNISHES, LACQUERS, THINNERS FOR PAINTS AND ENAMELS, PAINT-LIKE COMPOUND FOR LACQUERING AND ENAMELING, AND THINNERS THEREFOR. Registered April 14, 1925. CELLULOID ZAPON COMPANY, now by change of name The Zapon Company. Renewed April 14, 1945, to Atlas Powder Company, Wilmington, Del., a corporation of Delaware, assignee.

197,382. **"DOUBLETITE CANCO" AND DESIGN.** CANS. Registered April 14, 1925. AMERICAN CAN COMPANY, New York, N. Y., a corporation of New Jersey. Renewed April 14, 1945.

197,400. **"SNOW WHITE" AND DESIGN.** COMPOSITIONS OF MATTER USUALLY MADE OF ALBUMEN IN COMBINATION WITH MODIFIED STARCHES AND SUGAR USED BY BAKERS AND CONFECTIONERS IN THE MAKING OF CAKES, KISSES, MACAROONS, ICE CREAM, AND CONFECTIONS. Registered April 14, 1925. JOE LOWE CO. INC., Brooklyn, N. Y. Renewed April 14, 1945, to Joe Lowe Corporation, New York, N. Y., a corporation of Delaware, assignee.

197,438. **RODEO.** CANDY. Registered April 14, 1925. SWEET CANDY COMPANY, Salt Lake City, Utah, a corporation of Utah. Renewed April 14, 1945.

197,488. **"PHILLIPS' DENTAL MAGNESIA" AND DRAWING.** DENTIFRICES. Registered April 21, 1925. THE CHARLES H. PHILLIPS CHEMICAL CO., Glenbrook, Conn., and New York, N. Y. Renewed April 21, 1945, to Sterling Drug Inc., Wilmington, Del., a corporation of Delaware, assignee.

197,542. **MERMAID.** GARMENT FOR WOMEN TO BE WORN AS A FIGURE-REDUCING UNDERGARMENT OR AS A BATHING GIRDLE UNDER THE BATHING SUIT. Registered April 21, 1925. MODEL BRASSIERE CO. INC., New York, N. Y. Renewed April 21, 1945, to Model Brassiere Corp., Brooklyn, N. Y., a corporation of New York, assignee.

197,590. **SOUTHERN ENDLESS BELT.** CIGARETTE BELTS OF LINEN, COTTON, AND THE LIKE. Registered April 21, 1925. SOUTHERN ENDLESS BELT COMPANY, Petersburg, Va. Renewed April 21, 1945, to Endless Belt Corporation, Pisgah Forest, N. C., a corporation of North Carolina, assignee by mesne assignments.

197,616. **"IRON CLAD", ETC. AND DRAWING.** PORTLAND CEMENT. Registered April 21, 1925. THE GLENS FALLS PORTLAND CEMENT CO., Glens Falls, N. Y., a corporation of New York. Renewed April 21, 1945.

197,622. **CUBA.** CANE MILLS. Registered April 21, 1925. BUFFALO FORGE COMPANY, Buffalo, N. Y., a corporation of New York. Renewed April 21, 1945.

197,830. **SING-SONG.** FOOD FOR BIRDS. Registered April 28, 1925. SPRATT'S PATENT (AMERICA) LIMITED, London, England. Renewed April 28, 1945, to Spratt's Patent (America) Limited, Newark, N. J., a corporation of Great Britain.

197,831. **DR JOHN T HOUCHENS.** PREPARATIONS FOR THE TREATMENT OF COUGHS, COLDS, SORE THROATS, CONSTIPATION, INDIGESTION, AND BILIOUSNESS. Registered April 28, 1925. HOUCHENS MEDICINE COMPANY, Baltimore, Md., a corporation of Delaware. Renewed April 28, 1945.

197,836. **VIOLET SEC. PERFUMERY, TOILET** WATERS, LIQUID PERFUMES, COLOGNES, SACHET POWDERS, TOILET POWDERS, TALCUM POWDERS, TOOTH PASTES, HAIR OILS, AND COLD CREAMS. Registered April 28, 1925. RICHARD HUDNUT, New York, N. Y., a corporation of New York. Renewed April 28, 1945.

197,837. **SARTORIUS NO. 1. OIL OF YLANG-YLANG.** Registered April 28, 1925. FRITZSCHE BROTHERS, INC., New York, N. Y., a corporation of New York. Renewed April 28, 1945.

197,847. **OAK-LAC.** DRIED BUTTERMILK. Registered April 28, 1925. SCHLOSSER BROTHERS, INC., Frankfort, Ind., a corporation of Indiana. Renewed April 28, 1945.

197,869. **BUDDS.** CONFECTIONERY—NAMELY, ICE CREAM, SHERBETS, FROZEN PUDDINGS, FROZEN-FRUIT PUNCHES, BONBONS, DIPPED CANDY, TAFFIES, HARD CANDY, NUT CANDY AND BRITTLE, FUDGE, NUT BARS, FRUIT BARS, BUTTERSCOTCH, ROASTED AND SALTED NUTS IN BULK AND PACKAGES, AND CHOCOLATE AND CHOCOLATE NUT BARS. Registered April 28, 1925. GEORGE WALKER BUDD, Wilkes-Barre, Pa. Renewed April 28, 1945, to George W. Budd, doing business as Budd's Confectionery, Kingston, Pa.

197,885. **"STIFEL", ETC. AND DRAWING.** COTTON PIECE GOODS. Registered April 28, 1925. J. L. STIFEL & SONS. Renewed April 28, 1945, to J. L. Stifel & Sons, Inc., Wheeling, W. Va., a corporation of West Virginia, by change of name.

197,907. **NELLY BLY.** CHOCOLATE BAR. Registered April 28, 1925. CRYSTAL CANDY COMPANY. Renewed April 28, 1945, to Rawls-Dickson Candy Company, Winston-Salem, N. C., a corporation of North Carolina, assignee.

197,915. **"EAGLE" AND DESIGN.** TORCHES, TALLOW POTS, OR OIL POTS. Registered April 28, 1925. EAGLE MANUFACTURING COMPANY, Wellsburg, W. Va., a corporation of West Virginia. Renewed April 28, 1945.

197,917. **VERTOSE.** SUGAR SIRUPS FOR FOOD PURPOSES. Registered April 28, 1925. AMERICAN BURTONIZING COMPANY AND WALLERSTEIN LABORATORIES. Renewed April 28, 1945, to Wallerstein Company, Inc., New York, N. Y., a corporation of New York, assignee.

197,931. **CREAM FLUFF.** CAKES, COOKIES, FRIED CAKES, DOUGHNUTS, BREAD, AND ROLLS. Registered April 28, 1925. GRENNAN CAKE CORPORATION, now by change of name Grennan Bakeries, Incorporated, Detroit, Mich. Renewed April 28, 1945, to Grennan Bakeries, Incorporated, Chicago, Ill., a corporation of Delaware.

197,934. **"RED BALL BRAND" AND DRAWING.** TABLE POTATOES IN THEIR NATURAL STATE. Registered April 28, 1925. MACK BOUCHARD & SON. Renewed April 28, 1945, to Bouchard Potato Co., Inc., Caribou, Maine, a corporation of Maine, assignee.

197,958. **GOLDEN REY.** CANNED PEACHES, PEARS, PLUMS, CHERRIES; CANNED SPINACH, TOMATOES, CORN, AND PEAS; CANNED SOUP, MINCEMEAT, OLIVE OIL, TEA, COFFEE, MUSTARD, CINNAMON, ALL SPICE, DRIED APPLES, APRICOTS, AND PEACHES; PEACH AND PEAR PRESERVES; APPLE, RASPBERRY, AND STRAWBERRY JELLIES; APPLE, RASPBERRY, AND STRAWBERRY JAMS; CHOCOLATE, COCOA, WHEAT FLOUR, HOMINY, CORN GRITS, RICE, AND CERTAIN OTHER NAMED GROCERIES. Registered April 28, 1925. PACIFIC WHOLESALE GROCERY CO. Renewed April 28, 1945, to Pacific Wholesale Grocery Co., Los Angeles, Calif., a firm, successor.

197,981. **EX.** HOSIERY. Registered April 28, 1925. HOLEPROOF HOSIERY CO., Milwaukee, Wis., a corporation of Wisconsin. Renewed April 28, 1945.

197,993. **OLD BILLYBOY.** WEEKLY PUBLICATION. Registered April 28, 1925. THE BILLBOARD PUBLISHING COMPANY, Cincinnati, Ohio, a corporation of Ohio. Renewed April 28, 1945.

197,997. **"OLD PIONEER LILLY" AND DRAWING.** COAL. Registered April 28, 1925. PIONEER COAL & COKE COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed April 28, 1945.

197,999. **RADIO GIRL.** PERFUME. Registered April 28, 1925. WILLIAM B. COHEN, doing business as Belco Chem. Co., St. Paul, Minn. Renewed April 28, 1945.

198,091. **BOBBED HOSIES.** HOSIERY. Registered May 5, 1925. PHOENIX HOSIERY COMPANY, Milwaukee, Wis., a corporation of Wisconsin. Renewed May 5, 1945.

198,156. **"ROCKHAM" AND DESIGN.** COATS, VESTS, TROUSERS, OVERCOATS, AND RAINCOATS. Registered May 5, 1925. THE J. L. HUDSON COMPANY, Detroit, Mich., a corporation of Michigan. Renewed May 5, 1945.

198,170. **"CORINA" AND DRAWING.** CIGARS. Registered May 5, 1925. JOSE ESCALANTE & Co., Chicago, Ill., a corporation of Illinois. Renewed May 5, 1945.

REISSUES

DECEMBER 19, 1944

22,579

SENSITIZER CONTAINING A GEL-FORMING COLLOIDAL CLAY

Clyde A. Crowley, Chicago, and John B. Mullen, Elgin, Ill., assignors to The Huey Co., Chicago, Ill., a corporation of Illinois

No Drawing. Original No. 2,317,521, dated April 27, 1943, Serial No. 416,046, October 22, 1941. Application for reissue September 18, 1944, Serial No. 554,599½

9 Claims. (Cl. 95—7)

1. A sensitizer comprising a gel-forming colloidal clay and light-sensitive chemicals selected from the group consisting of (1) blueprint sensitizers, (2) diazo sensitizers and (3) direct line iron sensitizers.

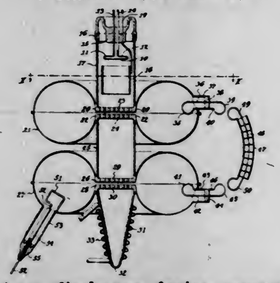
22,580

ULTRA HIGH FREQUENCY DEVICE WITH CONICAL COLLECTOR

Ilia E. Mouromtseff, Montclair, and George M. Dinnick, Bloomfield, N. J., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Original No. 2,295,680, dated September 15, 1942, Serial No. 362,776, October 25, 1940. Application for reissue April 24, 1943, Serial No. 484,440

7 Claims. (Cl. 315—6)



6. Electron discharge device comprising first and second hollow resonators, means for projecting a stream of electrons through the interiors of said resonators in succession, said means including a cathode positioned on one side of said two resonators and outside the field of the first of said resonators, and a collector positioned on the other side of said two resonators and outside the field of the second of said resonators and in axial alinement with said cathode, said collector being conical in shape with its apex at its end remote from said resonators.

22,581

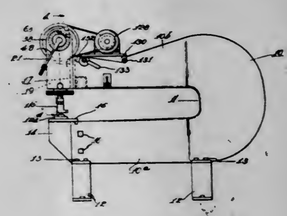
SHEARING AND PUNCHING MACHINE

John Opie, Riverside, Ill., assignor to Whiting Corporation, Harvey, Ill., a corporation of Illinois

Original No. 2,343,697, dated March 7, 1944, Serial No. 469,739, December 18, 1942. Application for reissue September 7, 1944, Serial No. 552,961

27 Claims. (Cl. 164—86)

1. In a machine for shearing or punching sheet metal or the like, and having a throated frame; a head frame mounted on the throated frame and provided with a spaced apart side portions; a horizontal rotatable power driven shaft; cam-mounted bearing members for the shaft and having the cams therefor rotatably mounted in the side portions of said head frame; manually operable clutch mechanism operatively connected to said cams and adapted conjointly



to rotate the latter in order to adjust the height of said shaft; a connecting rod; a crank-type connection between said connecting rod and shaft whereby said rod will be reciprocated in response to drive of the shaft; a reciprocable ram connected to said connecting rod; bearing means in which said ram is slidably mounted; and tool holding means on said ram.

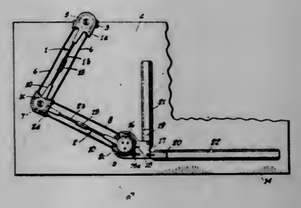
22,582

DRAFTING MACHINE

Vard B. Wallace, Monrovia, Calif., assignor, by mesne assignments, to Vard, Inc., Pasadena, Calif., a corporation of California

Original No. 2,226,882, dated December 31, 1940, Serial No. 249,889, January 9, 1939. Application for reissue August 24, 1942, Serial No. 455,964

31 Claims. (Cl. 33—79)



21. In a drafting machine, in combination, means relatively fixed in orientation, straight edge supporting means, means to releasably secure the relatively fixed means with the supporting means, coaxial members, operative connections between one member and the supporting means, operative connections between the other member and the releasable means, manually actuatable means to actuate one member and a second manually actuatable means to actuate the other member.

PLANT PATENTS

GRANTED DECEMBER 19, 1944

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

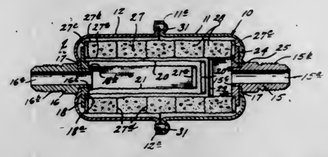
648
CRAB APPLE TREE
Carl A. Hansen, Brookings, S. Dak., assignor of one-half to Albert C. Fischer, Chicago, Ill.
Application April 8, 1942, Serial No. 438,177
1 Claim. (Cl. 47—62)

The variety of crab apple tree herein described characterized by its occasional double blossoms and its fruit having, when substantially ripe, a material content of juice, a pleasant flavor even when raw, and red meat that lends commercially desirable color to preserves made from the said fruit or from other fruit in which said fruit may be incorporated, and the extreme hardiness that enables the tree to withstand temperatures as low as 35 degrees below zero.

PATENTS

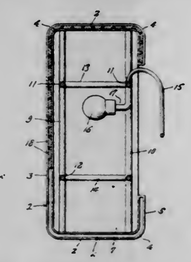
GRANTED DECEMBER 19, 1944

2,365,149
FILTER AND DRIER
August P. Anderson, Goshen, Ind., assignor to Penn Electric Switch Co., Goshen, Ind., a corporation of Iowa
Application September 22, 1942, Serial No. 459,227
9 Claims. (Cl. 210—139)



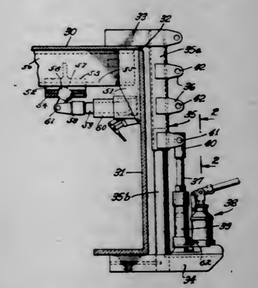
1. In a device of the character described, a sealed housing, inlet and outlet fittings connected in alignment in opposite wall portions of the housing, each of said fittings having a duct communicating with the interior of the housing and having an outer end portion adapted for connection to a conduit, and a dehydrator element including a closed annular body of mesh material mounted in spaced relation to the walls of the housing with the opposite ends seated around the respective inlet and outlet ducts, a mass of water absorbing material in said annular body, and a baffle mounted within said annular body in registration with the inlet duct for deflecting the liquid laterally and causing it to pass through said mass of material prior to discharge through the outlet duct.

2,365,150
LAMP
John J. Smith, Williamson, W. Va.
Application March 1, 1944, Serial No. 524,611
2 Claims. (Cl. 240—4)



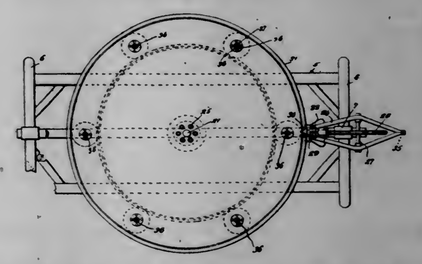
1. A lamp for attachment to the head of a bed or the like comprising a pair of opposed side frames of C shape providing thereon horizontal upper and lower ends, a front vertical portion and upper and lower vertical rear terminals spaced apart whereby the backs of the frames are open, said frames having channels extending around the inner sides thereof, side filler panels secured on said frames, an internal skeleton frame of rod-like material connecting said side frames, means extending rearwardly from said internal frame for attaching the same to the head of the bed, an electric light in the transverse center of the internal frame, and a curtain-like shade of hinged together slats having side edges slidably mounted in said channels for adjustment of the shade along said channels into different positions to deflect the rays from said light in different directions.

2,365,151
POWER APPARATUS FOR ALIGNING WORK
Milliage L. Solomon, Los Angeles, Calif.
Application November 6, 1942, Serial No. 464,758
3 Claims. (Cl. 144—289)



1. In a clamping jack, the combination of an extensible bar having two sections guided on each other, a jaw extending laterally from each of said bar sections, a fluid-operated cylinder mounted on one of said jaws, said cylinder having a piston with a rod extending therefrom and toward the other jaw, the bar section of said other jaw having a plurality of spaced anchoring means for the piston rod, and means to secure the piston rod to any one of said anchoring means.

2,365,152
SANDBLAST TURNTABLE
Glenn A. Stearman, Enid, Okla., assignor to Stearman Aviation, Inc., Enid, Okla., a corporation of Oklahoma
Application July 14, 1943, Serial No. 494,727
4 Claims. (Cl. 51—15)



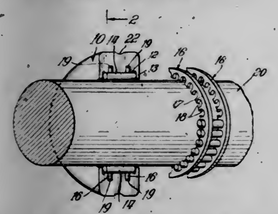
2. Apparatus of the character described comprising a turntable mounted for swinging movement about an horizontal axis and rotatable about an axis perpendicular to the axis of swinging movement thereof, article supports on the turntable and means for driving the turntable, said article supports each consisting of a ver-

tical barrel, a rotary shaft disposed vertically through the barrel and having a portion at its upper end projecting above the barrel, each of the vertical shafts being provided with a wheel at its lower end, and a wheel-like support for the turntable in driving engagement with the wheels of the vertical shaft.

2,365,153
METHOD OF CONDITIONING ALUMINUM MATERIAL FOR SPOT WELDING
Don E. Stevens, South San Francisco, Calif., assignor to Hammond Aircraft Company, South San Francisco, Calif.
No Drawing. Application September 6, 1943, Serial No. 501,431
5 Claims. (Cl. 134—28)

1. The method of conditioning aluminum sheets for welding that comprises the steps of; first covering the surfaces of the sheets with a solution of hydrofluoric acid until the oxide on the surfaces thereof is broken, then covering the surfaces of said sheets with a solution of hydrochloric acid until the solubles in said hydrofluoric acid and the remaining oxide on said surfaces are cleaned therefrom.

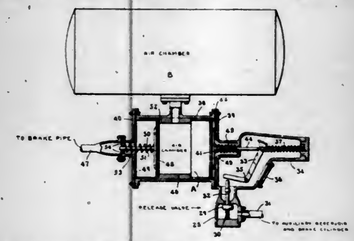
2,365,154
ANTIFRICTION BEARING
Otto Storz, Valparaiso, Ind., assignor to McGill Manufacturing Company, Valparaiso, Ind., a corporation of Indiana
Application January 29, 1943, Serial No. 473,899
1 Claim. (Cl. 308—179)



A split roller bearing segment comprising a one-piece ring segment having side flanges defining a segment of a raceway therebetween, said ring segment also having grooves spaced axially from one another and each spaced axially inward from the adjacent flange, a retaining ring segment in each of said grooves, said retaining ring segments each having been inserted into its groove through the open face of the bearing segment and having roller retaining openings therein which are disposed outside said raceway, and a plurality of rollers movably retained in spaced apart relationship by said retaining rings, said rollers extending axially of said raceway through corresponding openings of said retaining rings and being engaged by said retaining rings at points spaced inwardly from their ends.

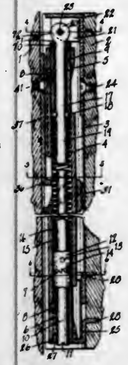
2,365,155
AIR BRAKE SYSTEM FOR RAILROAD CARS
Charles E. Strode, Osawatomie, Kans.
Application December 10, 1942, Serial No. 468,597
11 Claims. (Cl. 303—70)

1. In an air brake system for a railroad car wherein gradual reduction of air pressure in a brake pipe results in transmission of air pressure from an auxiliary reservoir to a brake cylinder to apply the brakes, the improvement which comprises a release valve device to automatically release the brakes in response to continued release of air pressure from the brake pipe, said release valve device including a check valve to exhaust air from said auxiliary reservoir, said check valve being normally closed in response to pressure from said auxiliary reservoir, and a pressure-responsive control member controlling the move-



ments of said valve, said pressure responsive control member being exposed to the normal air pressures in said brake pipe, so as to retain said check valve in its closed position during the normal service pressures in said brake pipe, and said check valve being movable to its open position in response to said continued release of pressure from the brake pipe.

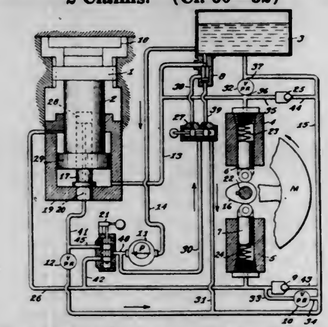
2,365,156
SASH BALANCE
August Viehweger, Grand Rapids, Mich., assignor to Grand Rapids Hardware Company, Grand Rapids, Mich., a corporation of Michigan
Application July 20, 1939, Serial No. 285,471
7 Claims. (Cl. 16—197)



1. In a sash balance, the combination of a tubular element having a spiral groove, bushings secured within the ends of said element, one of the bushings being provided with ratchet teeth at its inner end and projecting at its outer end from said element to receive a supporting bracket, a tension rod disposed within said bushing and having a ratchet head coacting with said ratchet teeth, said tension rod being extended beyond its ratchet head to provide a spring clutch pin and being adapted at its outer end to receive an adjusting tool, an anchoring rod having a mounting bracket pivotally connected thereto disposed within the other bushing and projecting therefrom to provide a spring clutch pin, a coiled spring arranged within said element with its ends in clutching engagement with said clutch pins, said spring acting to urge said ratchet head into engagement with said ratchet teeth on said bushing, a bracket-like supporting element having an

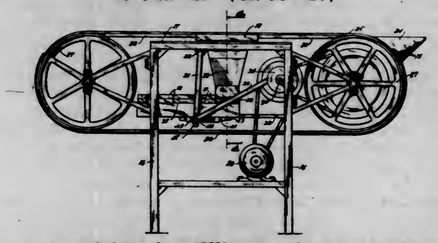
opening therein receiving the projecting end of said bushing provided with the ratchet teeth, said last named element being provided with securing prongs, and a torsion member coacting with said element and provided with a groove engaging member.

2,365,157
HYDRAULIC POWER TRANSMISSION FOR PRESSES
Robert Von Rotz, Manhasset, N. Y.
Application May 14, 1943, Serial No. 487,904
2 Claims. (Cl. 60—52)



1. In a hydraulic power transmission mechanism, pump plungers mounted to slide in cylinders, and arranged to be reciprocated in said cylinders by a rotating cam, and adapted upon their movement to displace a liquid, a shaft arranged to be rotated by an external power source, a flywheel and cams attached to said shaft and disposed to impart reciprocating motion to said plungers in opposite phase relationship by its rotation, a work cylinder with a piston and piston rod mounted to slide in said cylinder and conduits connecting the pump cylinders with opposite ends of the work cylinder, an auxiliary pump driven by an external power source to supply fluid at low pressure to rapidly advance the work slide, a hydraulic fluid reservoir with a conduit connecting said reservoir to said work cylinder, a cut-off valve between said conduit and said reservoir arranged to be operated in timed relation to the working strokes of the piston.

2,365,158
CARTRIDGE BOX FILLING DEVICE
Charles E. Wallick, Denver, Colo.
Application March 10, 1942, Serial No. 434,079
10 Claims. (Cl. 86—47)



1. A cartridge box filling machine comprising: a multiple compartment hopper having a reduced lower extremity corresponding to the shape, arrangement, and position of the box to be filled; a top over said hopper provided with cartridge receiving slots, there being one slot for each hopper compartment; a slide member moving over said top and having slots corresponding to the receiving slots in said top; a chamber member above said slide member; cartridge receiving chambers in said member registering with the slots in the slide member at one extremity of the latter's movement; a traveling member moving over said chamber member; cartridge receiving pockets in said traveling member corresponding in position and spacing to the chambers in the chamber member; and a feed receptacle positioned against said traveling member so that the latter forms a wall of said receptacle so that a pile of cartridges will be held against said traveling member from which individual cartridges are caught by the pockets in the traveling member.

2,365,159
CONTAINER
Richard R. Walton, Wellesley, and David G. Greenlie, Waltham, Mass., assignors of one-half to Container Corporation of America, Chicago, Ill., a corporation of Delaware, and one-half to Dewey & Almy Chemical Company, Cambridge, Mass., a corporation of Massachusetts
Application August 3, 1940, Serial No. 350,852
11 Claims. (Cl. 229—14)



1. A container for fluent commodities comprising, in combination, a liquid-tight bag of thin, flexible sheet material and a carton, the carton comprising two side walls and two edge walls, flaps on each said side and edge walls adapted to close one end of the container, one side wall flap having a centrally located dispensing aperture formed therein, the flaps on the edge walls being arranged to overlie the apertured side wall flap but terminating short of the aperture therein, the remaining side wall flap being arranged to overlie the edge wall flaps, said overlying side wall flap having a removable central section disposed in juxtaposed relation to the dispensing aperture and the space remaining between the adjacent edges of the edge wall flaps, a portion of the flexible bag within the carton being secured to the apertured flap at least over the dispensing aperture, whereby, when the dispensing aperture has been uncovered by removing the central section of the overlying flap, the part of the bag extending over the dispensing aperture can readily be punctured to enable the contents of the carton to be dispensed.

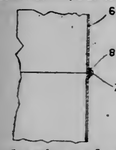
2,365,160
SPRING
Joseph N. Weil, East Orange, N. J.
Application April 21, 1943, Serial No. 483,961
5 Claims. (Cl. 155—179)



2. In an article to be made resilient, the combination of a framework and a plurality of pairs

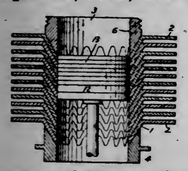
of superposed leaf springs, one pair consisting of an upper leaf spring secured at one end to said framework and having its other end spaced from the other side of the framework so that it may be moved and a lower leaf spring below said upper leaf spring having one end removably abutting the framework below the secured end of said upper leaf spring and having its other end spaced from said framework and secured to the movable end of said upper leaf spring so that it may move therewith, and another pair of leaf springs above said first mentioned pair and consisting of an upper leaf spring secured at one end to the upper leaf spring of said first mentioned pair of leaf springs and having its other end projecting above the secured end of the upper leaf spring of the first mentioned pair of leaf springs and a lower leaf spring having one end removably abutting the projecting end of the upper leaf spring of the second mentioned pair of leaf springs and having its other end secured to the secured end of the upper leaf spring of the second mentioned pair of leaf springs.

2,365,161
STOCKING
Tibor Weisz, Budapest, Hungary; vested in the Alien Property Custodian
Application April 1, 1942, Serial No. 437,192
In Hungary December 21, 1940
2 Claims. (Cl. 2—240)



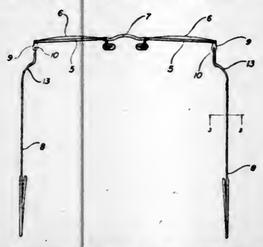
1. In a stocking having a hem at the top thereof, a run-stop located below the hem comprising a relatively narrow folded section of the single thickness of the body fabric only and extending substantially coursewise of the knit fabric, said section being sewn through walewise of the stocking body and exteriorly thereof to form a semi-circular cross-section when viewed in a coursewise direction, the radius of said semi-circular section being substantially equal to the thickness of said fabric, and the inner face of the body fabric being substantially uninterrupted in the provision of said folded section.

2,365,162
LAMINATED FINNED CYLINDER
Victor R. Abrams, Detroit, Mich.
Application February 23, 1943, Serial No. 476,876
7 Claims. (Cl. 257—261)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



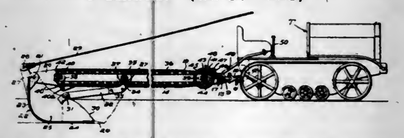
1. A cylinder comprising a series of nested and mutually secured elements each including a tapered portion and a fin extending outwardly therefrom, the nested tapered portions forming a smooth bore, the angle of said portions being such that several thicknesses thereof occur in any transverse plane of the nested assembly.

2,365,163
EYEGLASSES
Stewart F. Alexander, United States Army
Application October 15, 1942, Serial No. 462,188
5 Claims. (Cl. 88—41)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



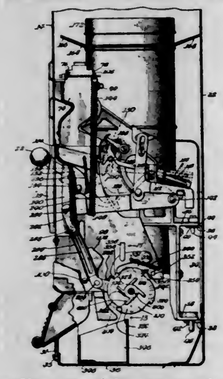
1. Spectacles comprising a frame embodying a pair of lens-carrying portions, and temples pivoted at one end to said lens-carrying portions; each of said temples having a head-contacting shank having a flat outer surface and a convex inner skin-contacting surface for the full length of the shank, said shanks being of such thickness that when the spectacles are being worn and the shanks are pressing into the wearer's head said flat outer surfaces of the shanks will be substantially flush with the wearer's skin.

2,365,164
DIGGING ATTACHMENT FOR TRACTORS OR THE LIKE
Thomas K. Andersen, West New Brighton, N. Y.
Application September 24, 1942, Serial No. 459,524
6 Claims. (Cl. 37—118)



3. A digging attachment to operate behind a tractor, comprising a tiltable bucket closed at its back and having a digging edge at its front and rotatable angularly through successive digging, closing and dumping positions, a boom disposed in the fore and aft line of the tractor, pivot means connecting the back of the bucket to the rear end of said boom so that the bucket is disposed beneath the boom, means connecting the front end of the boom to the rear end of the tractor so that the boom may be swung vertically relative to the tractor to carry the bucket through an arc of substantial length from a digging position at or below ground level to a dumping position at a considerable distance above the ground, said means arranged to prevent lateral movement of the boom relative to the tractor, a connection from the tractor to the boom and bucket assembly for raising the filled bucket to dumping position and for lowering the empty bucket to the ground so that it may be tilted into digging position when the tractor is moved slightly to the rear, and means for locking the bucket in digging position so that it will dig when the tractor is moved forwardly, for unlocking the bucket when filled to permit it to tilt to its closed position when the tractor is moved slightly to the rear, for re-locking the filled and closed bucket while the boom is being raised and swung laterally to carry the bucket to its dumping position, and for unlocking the filled and closed bucket when it reaches its dumping position so that it may dump, said last-named means including a link having a pivotal connection at its rear end with the bucket and a sliding connection at its forward end with the boom, and means for selectively holding the sliding connection at any desired position relative to the boom.

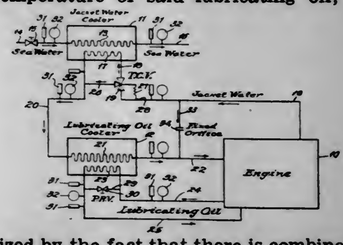
2,365,165
VENDING MACHINE
George C. Bauman and John E. Bolen, Morris, and Ernest H. Thompson, Winnetka, Ill., assignors to Automatic Canteen Company of America, Chicago, Ill., a corporation of Delaware
Application June 15, 1940, Serial No. 340,668
3 Claims. (Cl. 194—85)



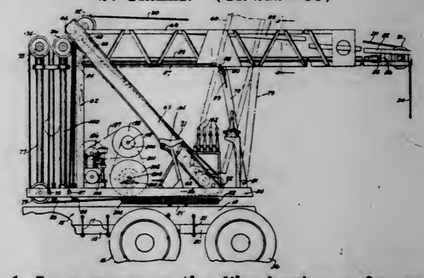
2. In a vending machine comprising a cabinet, a casting within the cabinet having a wall, a single external control on the front of said wall, and a storage bin on each side of said wall, dispensing means at the base of each storage bin mounted on said casting and comprising a portioning wheel of similarly shaped segmental compartments, an aperture in the bottom of said storage bin beneath which said segmental compartments of the portioning wheel may be moved for delivery of bulk materials, a driven disk positively coupled to the portioning wheel and disposed to be coupled to the external control by means of a coin, notches equidistant around the driven disk of the same number and correspondingly positioned thereon to the partitioning walls of the portioning wheel, a detent engaging said notches having a projecting portion so disposed as to cause the detent to be cammed out of engagement with the notch by a coin during a delivery operation, whereby the detent will permit rotation of the portioning wheel sufficient to advance only one compartment beneath the delivering orifice, and a coin chute integrally formed on each side of said wall for delivering acceptable coins to said coupling mechanism.

2,365,166
INTERNAL-COMBUSTION ENGINE COOLING SYSTEM
Thomas J. Bay, United States Navy
Application April 6, 1943, Serial No. 481,983
8 Claims. (Cl. 123—174)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A system for controlling the temperature of the cooling water and that of the lubricating oil for an internal combustion engine wherein a first heat exchanger cools the water flowing from the engine and a second heat exchanger through which lubricating oil from said engine is circulated, the heat transferring capability of which is controlled by the water flowing from said first heat exchanger, controls the temperature of said lubricating oil; characterized by the fact that there is combined with said first heat exchanger, means for by-passing the heated water flowing from the engine cooling system around said first heat exchanger for delivery directly to said second heat exchanger in a heated condition in order to elevate the temperature of said lubricating oil.



2,365,167
TRUCK CRANE
Roy O. Billings, Milwaukee, Wis.
Application September 2, 1942, Serial No. 457,052
27 Claims. (Cl. 212—55)

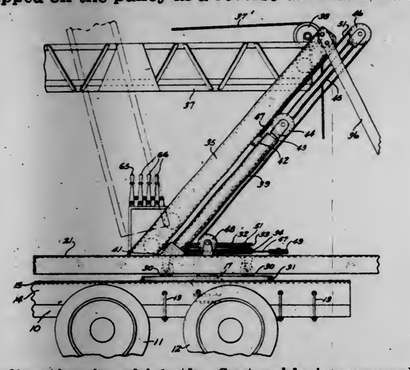


1. In a crane or the like having a frame, a boom mounted on said frame for pivotal movement in a vertical plane, a guiding sheave at the outer end of said boom movable with the boom, a guiding sheave mounted on the frame near the inner end of the boom, a load line cable having an anchored end and having a load lifting portion guided over the guiding sheaves, spaced sheaves, at least one of which is movable, carried by the frame cooperable with a portion of the cable between the anchored end and the guiding sheaves to exert a pull on the load lifting portion of the cable when the movable sheave is moved away from the other of said spaced sheaves on the frame, and means on the frame for causing movement of said movable sheave.

2,365,168
TURNTABLE FOR CRANES OR THE LIKE
Roy O. Billings, Milwaukee, Wis.
Application July 12, 1943, Serial No. 494,335
10 Claims. (Cl. 212—69)

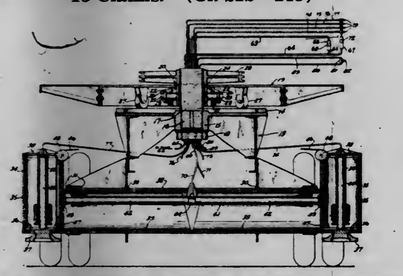
1. In a crane or the like, having a supporting frame, a pulley non-rotatably fixed to said frame, a turntable mounted on said frame for rotation with respect to the frame and pulley, a cable having one end anchored to the turntable on one side of said pulley and having a portion near its

other end wrapped in one direction on said pulley, a second cable having one end anchored to the turntable on the opposite side of the pulley from the point of anchoring the corresponding end of the first cable, said second cable having a portion wrapped on the pulley in a reverse direction from



the direction in which the first cable is wrapped, means for exerting a pull on a portion of the first cable to cause rotation of the turntable in one direction, and means for exerting a pull on a portion of the second cable to cause rotation of the turntable in the opposite direction.

2,365,169
VEHICLE OUTRIGGER
Roy O. Billings, Milwaukee, Wis.
Application August 5, 1943, Serial No. 497,506
13 Claims. (Cl. 212—145)

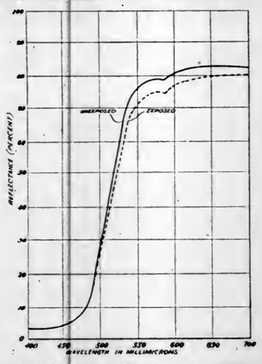


1. In a vehicle having a wheel supported frame, an outwardly extendible outrigger member mounted on said frame, a vertically movable foot carried by said extendible member, means remotely controlled from the vehicle for causing outward movement of said extendible member, and means remotely controlled from the vehicle for causing downward movement of said foot.

2,365,170
BLASTING EXPLOSIVE
Charles D. Bitting, Kenvil, N. J., and Robert W. Lawrence, Wilmington, Del., assignors to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 13, 1940, Serial No. 329,492
11 Claims. (Cl. 52—13)

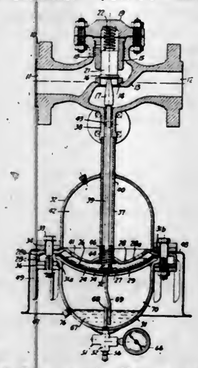
1. A gelatin type explosive composition which includes as ingredients nitroglycerin and a cellular, carbonaceous material selected from the group consisting of cork, balsa, bagasse, bongo wood and hemp hurds and treated with a synthetic resin heat-hardened in situ, said treated carbonaceous material characterized by having stiffened cell walls and by having substantially the same nitroglycerin absorbency as the untreated material.

2,365,171
LEAD CHROMATE PIGMENT PRODUCTION
Edmond Charles Botti, Brooklyn, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application June 3, 1942, Serial No. 445,628
20 Claims. (Cl. 106—298)



1. A process for producing an improved lead chromate pigment comprising intimately associating with said pigment minor amounts of insoluble compounds of a metal from the group consisting of aluminum and an element from the fourth group of the periodic table adapted to yield substantially white, insoluble oxides, together with an insoluble compound of a metal of the rare earth type.

2,265,172
FLUID FLOW CONTROLLER
Austin U. Bryant, Berkeley, Calif., assignor to Fluid Control Engineering Co., a copartnership consisting of Marvin H. Grove and Julia E. Grove, both of Piedmont, Calif.
Application January 25, 1943, Serial No. 473,454
3 Claims. (Cl. 50—22)

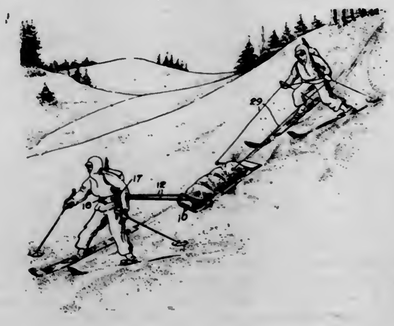


1. In a fluid flow controller, a valve body having inlet and outlet passages and a stationary valve seat, a valve member movable between open and closed positions with respect to the valve seat, a flexible diaphragm associated with the valve member and adapted when flexed between limiting positions to move the valve member between open and closed positions, means forming a fluid chamber on one side of the diaphragm and adapted to receive a controlling fluid of varying pressure, a loading dome embracing the other side of the diaphragm, a partition wall extending across said other side of the diaphragm and across that portion of the loading dome adjacent the diaphragm, said partition wall forming an enclosed space between it and the adjacent side of the diaphragm and a second enclosed space with the main part of the loading dome, the diaphragm being adapted to contact the adjacent face of the partition wall for closed position of the valve member, a body of liquid occupying part but not all of the second space, the remainder of the second space being adapted to receive a gas under pressure, a tube having its upper end communicating with the first space and having its lower end extending into said body of liquid, and a flow restricting orifice serving to restrict flow of liquid through said tube.

2,365,173
STARCH ESTERIFICATION
George V. Caesar, Staten Island, N. Y., assignor to Stein, Hall and Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application November 24, 1941, Serial No. 420,211
5 Claims. (Cl. 260—234)

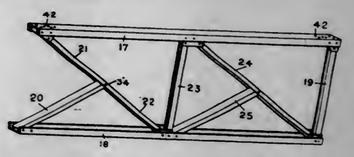
1. In the art of making amylaceous acetates, the steps which comprise dispersing an amylaceous substance in a dispersing medium comprising principally phosphoric acid and then acetylating the resultant dispersion.

2,365,174
TOBOGGAN
Avery M. Cochran, United States Army, Colorado Springs, Colo.
Application May 4, 1943, Serial No. 485,617
5 Claims. (Cl. 280—18)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



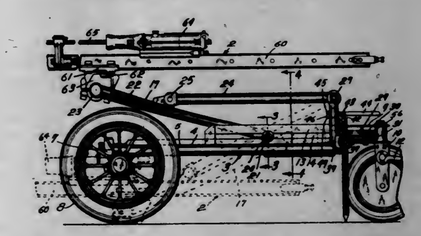
4. A toboggan having rigid shafts attached to and extending forwardly from its front and attachable to a person ahead of the toboggan whereby the person may pull the toboggan and resist its forward movement through the interposed shafts, a brake operably supported by the toboggan, and means attached to the brake and controllable by a person behind the toboggan to apply the brake to resist forward movement of the toboggan.

2,365,175
STRUCTURAL UNIT
William Crawford, Glasgow, Scotland
Application September 17, 1942, Serial No. 458,633
In Great Britain July 30, 1942
12 Claims. (Cl. 189—1)



1. A prefabricated structural unit of pentagonal form comprising a pair of parallel members of equal length joined together by a straight transverse end member, a diagonal bracing member between one end of said parallel members and the junction between the opposite parallel member and said transverse member, and a sub-diagonal member extending from an intermediate point in the said diagonal member to one end of said last mentioned parallel member.

2,365,176
PORTABLE DRILL RIG
John C. Curtis, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application April 10, 1943, Serial No. 482,596
12 Claims. (Cl. 255—51)

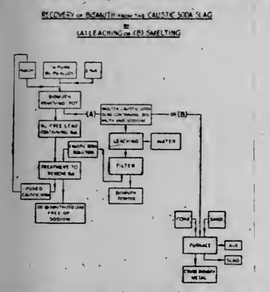


1. A portable drill rig comprising, in combination, a portable base, a boom pivotally mounted on said base to swing in a vertical direction relative thereto and having a movable pivotal mounting at its inner end, said boom adapted to support a drilling tool at its free end, and means for moving said boom pivot mounting bodily relative to said base to effect swinging of said boom.

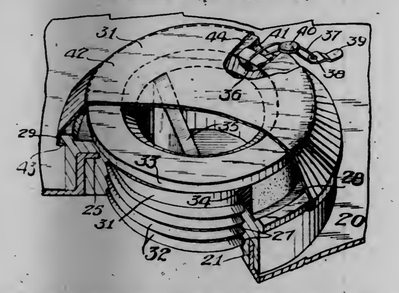
2,365,177
PROCESS FOR REFINING LEAD OR LEAD ALLOYS
Joseph C. Dittmer, St. Albans, N. Y., assignor to National Lead Company, New York, N. Y., a corporation of New Jersey
Application March 19, 1942, Serial No. 435,294
12 Claims. (Cl. 75—78)

1. A process for removing bismuth from lead or lead alloys which comprises melting the metal to be purified, admixing therewith at least one of the metals from the group consisting of the alkali and alkaline earth metals, thereby to form a bis-

muthide, said reaction being carried out in the presence of a flux comprising essentially and predominantly caustic soda, which said flux is devoid of potassium hydroxide.



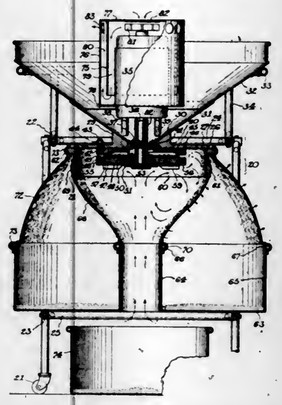
2,365,178
CLOSURE MEANS FOR CONTAINER OPENINGS
Howard W. Dodson, Aldan, Pa., assignor, by mesne assignments, to United Steel Barrel Company, Philadelphia, Pa., a corporation of Pennsylvania
Application September 18, 1940, Serial No. 357,206
8 Claims. (Cl. 285—49)



1. In a sheet metal container having a relatively small opening formed in a wall thereof, an outwardly extending generally cylindrical flange portion at said opening integral with the wall metal and bearing along its outermost edge a series of well-defined keying projections integral therewith, each of said keying projections being bent transversely at some intermediate portion thereof, and having their basal portions extending generally in continuation of the adjacent flange metal, and having generally coplanar radially-inwardly-extending outer end portions, and a bushing, pressure-cast in situ, enveloping said flange portion and said projections and outlining the container opening.

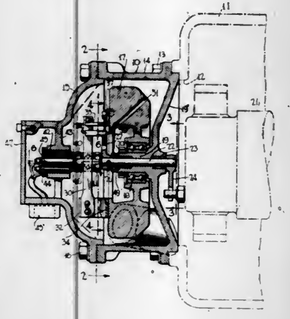
2,365,179
GRAIN PROCESSING APPARATUS
Lawrence E. Egedal, Milwaukee, Wis.
Application October 16, 1941, Serial No. 415,192
8 Claims. (Cl. 209—21)

5. A device of the character described, comprising a sieve forming a chamber with side walls and having an updraft bottom opening, said chamber being adapted to receive therein material to be sifted, and rotary fan means at the upper portion of said chamber having a bottom intake and a peripheral discharge for causing a current of air to flow upwardly through said bottom opening and downwardly along the inner side of said sieve, said chamber having an updraft



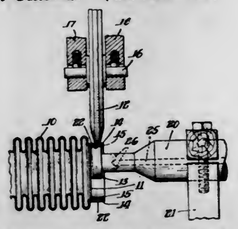
portion extending between said bottom opening and said fan intake.

2,365,180
BRAKE CONTROL MEANS
Carolus L. Eksergian, Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania
Application October 18, 1941, Serial No. 415,518
16 Claims. (Cl. 200—52)



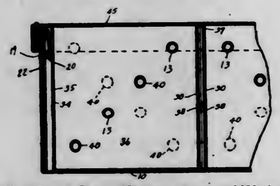
1. An inertia device for registering the rotative condition of a rotatable member, said device comprising a casing carried in axial alignment with said rotatable member, a rotary inertia registering element mounted in said casing, and driving connections between said rotatable member and said inertia element, said connections including a pair of generally parallel spaced leaf springs secured in balanced relation to an axial face of said inertia element, the free ends of said springs being biased to bear against fixed abutment means on said element, and a member driven by said rotatable member and mounted in a wall of the casing and having a driving means arranged to engage the springs adjacent their free ends, said connections permitting the rotary inertia element to shift rotatably relative to the rotatable member in response to a change in speed of the rotatable member.

2,365,181
BELLOWS OR TUBING STRUCTURE
David Wendell Fentress, Evanston, Ill., assignor to Chicago Metal Hose Corporation, Maywood, Ill., a corporation of Illinois
Original application August 21, 1939, Serial No. 291,139. Divided and this application December 24, 1941, Serial No. 424,365
2 Claims. (Cl. 138—50)



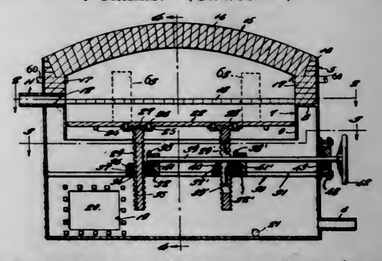
1. An article of the class described, comprising a length of flexible metal tubing, said tubing being of one piece construction and being provided with spaced annular convolutions, the collective radial extent of each convolution diametrically of the tubing being substantially not less than one-fourth of the tubing external diameter and the depth of the convolutions being greater than the pitch thereof, said tubing having a wall thickness of substantially no more than .01 inch, said tubing having formed on its end in immediate juxtaposition to the end convolution an axially directed annular flange, and a cup-like end cap member of sheet metal secured to the end of said tubing length, said cap member being provided with an axially directed flange co-mating with the axial tubing flange and a juxtaposed radially directed wall portion, and a circular seam resistance weld extending peripherally of said tubing flange and said co-mating cap flange and securing the flanges together in a fluid-tight joint connection, said end convolution and the other convolutions of the tubing having uniform resiliency characteristics of cold worked metal.

2,365,182
CASE METHOD OF HANDLING EGGS
Kenneth C. Ferguson, Indianapolis, Ind., assignor to Inland Container Corporation, Indianapolis, Ind.
Application April 24, 1943, Serial No. 484,333
4 Claims. (Cl. 99—177)



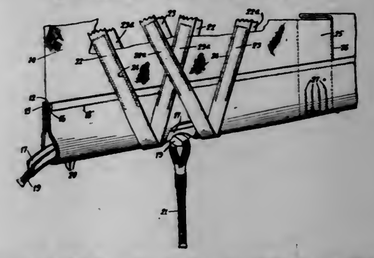
1. A method of handling eggs utilizing a covered case structure including tubular liner means in which is included in tier formation layer spacers and individual egg forming partitions between the spacers, a case in which the liner means can be telescopically mounted, and a case cover detachably connected thereto, including sampling eggs at the top and bottom of the case structure by inspecting the top layer of eggs with the cover removed, when the eggs are case supported, and inspecting the bottom layer of eggs by removing the case from the cover while the filled case is in inverted position.

2,365,183
FURNACE
Edgar E. Forsberg, Chicago, Ill., assignor of twenty-five per cent to Stanley Braunis, Chicago, Ill.
Application March 3, 1942, Serial No. 433,218
7 Claims. (Cl. 266—4)



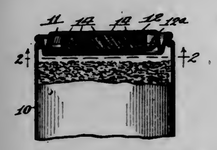
1. A furnace comprising means for water-cooling a portion of an object while another portion thereof is being heated in the furnace, said means comprising a water containing casing, a protective water jacket extending around the inside of the upper part of said casing, water inlet and outlet means for said casing to maintain water circulation in said water jacket to approximately the height of the upper part of the water jacket, a heat resistant hood enclosing the upper part of said casing above said water jacket, the front of the hood and the casing being open to permit placing the object into furnace in the space within said water jacket, an object supporting platform within said water jacket, and adjustable support means to position said platform at a desired element below the water level to support the object with the lower portion in the water and its upper portion above the water in the casing.

2,365,184
PARACHUTE
Leonard P. Frieder, Rockville Centre, and Walter S. Finken, Brooklyn, N. Y.; said Finken assignor to said Frieder
Application August 19, 1943, Serial No. 499,170
6 Claims. (Cl. 244—145)



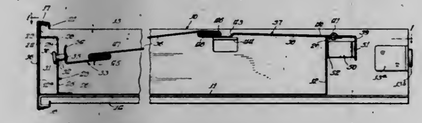
1. A parachute structure comprising a fabric canopy having its edge folded to constitute a plurality of hem plies on the inner and on the outer surface of the canopy, zig-zag stitches along the upper edges of the plies to secure the hem folds in position, a tape along the inner bottom of the hem, stitches through the tape and the plies of the hem securing the tape and hem plies together along the bottom of the hem, a continuous cord laid along and secured to the tape at spaced apart points around the canopy hem, said cord being exposed at openings in the tape and hem plies at spaced apart points around the canopy hem, and shroud lines secured to said cord at points where the cord is exposed.

2,365,185
TOBACCO HUMIDIFYING DEVICE
Florence L. Gailey, Los Angeles, Calif.
Application December 3, 1942, Serial No. 467,820
1 Claim. (Cl. 299—24)



A tobacco container humidifying device comprising a body of sponge rubber provided on its upper surface with a thin skin in which is formed a plurality of small vacuum suction recesses and a thin sheet of flexible moistureproof material applied to the underface of said body.

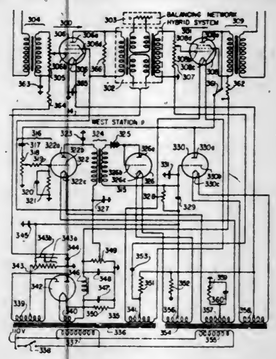
2,365,186
CONTAINER AND COVERING MEANS
Anthony P. Geimer, Two Rivers, Wis., assignor to Hamilton Manufacturing Company, Two Rivers, Wis., a corporation of Wisconsin
Application May 12, 1941, Serial No. 393,001
8 Claims. (Cl. 312—190)



5. In a normally horizontal open top container for relatively large sheets including a flexible cover member carried by the container, that improvement therein wherein the container has an upstanding rear wall provided with a shelf and the cover member is attached at its rear edge to a metal plate lying slidingly on said shelf and having a stud and slot connection therewith whereby the plate has limited movement in a direction from front to rear of the container, the plate having a downturned flange spaced rearwardly of said shelf, wherein springs are interposed between said flange and the container rear wall urging the plate and cover member in a rearward direction, and wherein means are provided for releasably anchoring the forward edge of the cover member to the forward part of the container against the force of said springs.

2,365,187
TRANSMISSION SYSTEM
Gabriel M. Giannini, North Hollywood, Calif., and Ben Eisenberg, Brooklyn, N. Y., assignors, by mesne assignments, to Automatic Electric Laboratories, Inc., a corporation of Delaware
Application November 14, 1941, Serial No. 419,164
14 Claims. (Cl. 179—170)

1. In a transmission system, a pair of variable gain signal current channels, one of said channels including an amplifier tube having a cathode, a circuit for energizing said cathode, means controlled by signal currents traversing the other of said channels for changing the gain through said other channel in one sense and for controlling the current traversing said circuit to change the gain through said one channel in the opposite sense, and means for preventing the operation of said last-named means until the



signal input to said other channel exceeds a predetermined value.

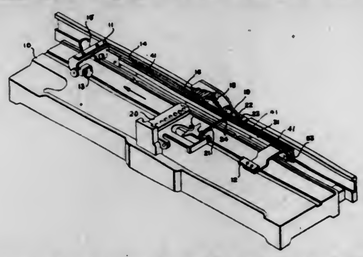
2,365,188
FIREARM
Walter T. Gorton, Springfield, Mass.
Application March 10, 1943, Serial No. 478,662
3 Claims. (Cl. 42—3)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a firearm, a receiver, a bolt arranged to reciprocate in said receiver between battery and recoil positions, an inertia member mounted for reciprocating movement with respect to said receiver along a path angularly disposed with respect to the path of movement of said bolt, resilient means biasing said inertia member forwardly into engagement with said bolt, the rear end of said bolt being bifurcated, the forward end of said inertia member being shaped to be engageable in the bifurcated end of the bolt in all positions of said bolt, said bolt and inertia member having a combined mass sufficient to delay movement of the bolt from battery position upon firing of a cartridge until the developed gas pressure is reduced to a safe value, said inertia member comprising the major portion of said mass.

2,365,189
CARRIAGE ESCAPEMENT DEVICE
Benjamin Grady, Washington, D. C.
Application December 14, 1943, Serial No. 514,292
5 Claims. (Cl. 164—111)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A carriage escapement device comprising: means provided with escapement teeth, gear teeth, a row of sockets, and a passage extending along said row of sockets, said passage intersecting and opening into each of said sockets; a series of interchangeable, notched pins for selective setting in said sockets; and a needle adapted for insertion into said passage for such positioning therein that said needle extends into the notch

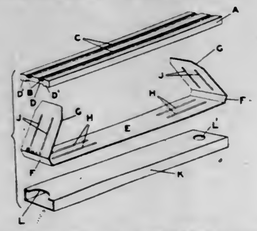


of each of the pins in said sockets and thereby locks said pins to said means.

2,365,190
WASHING COMPOSITIONS
George B. Hatch, Pittsburgh, Pa.
No Drawing. Application January 13, 1941, Serial No. 374,264
14 Claims. (Cl. 252—135)

1. A washing composition, comprising an alkali-metal trimetaphosphate and an alkali, whereby when the washing composition is dissolved in water the alkali-metal trimetaphosphate is converted into alkali-metal tripolyphosphate, the alkali being in amount sufficient to product in aqueous solution a pH of at least 8.5 after substantially complete conversion of the trimetaphosphate radical to tripolyphosphate radical.

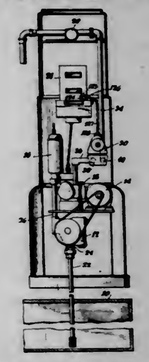
2,365,191
CONTAINER FOR PENCIL FILLERS
Paul S. Hauton, Atlanta, Ga., assignor to Scripto Manufacturing Company, Atlanta, Ga., a corporation of Georgia
Application July 15, 1937, Serial No. 153,726
3 Claims. (Cl. 206—46)



1. A container for pencil fillers comprising a filler receiving element, means to close off the opposite ends of the filler element, including a scored flap partly overlying a portion of the filler receiving element, an open ended jacket adapted to be slipped over the filler receiving element to hold the last named means in contact with the filler element, the scoring on the flap frictionally holding the flap against the inside of the jacket.

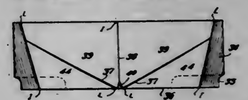
2,365,192
CUTOFF DEVICE FOR CONTROLLING THE BULK SUPPLY OF LIQUID DISPENSING APPARATUS
Charles S. Hazard, Andover, N. J., assignor to Neptune Meter Company, a corporation of New Jersey
Application April 8, 1940, Serial No. 328,448
4 Claims. (Cl. 222—20)

1. In apparatus for retailing liquid, a bulk supply tank, a pump for effecting delivery of liquid from said supply tank, a hydraulic motor located on the discharge side of said pump and driven by the liquid delivered thereby, presettable means including a cam surface adapted to be driven from an initial position by said motor to register a movement corresponding to the aggregate amount of liquid withdrawn from said tank for a



plurality of dispensing operations, a conduit connected to the inlet side of the pump, a valve controlling communication of the conduit with the atmosphere, and means operatively associated with the cam surface to effect the opening of said valve when an amount of liquid predetermined by the initial setting of the cam surface has been withdrawn from the tank.

2,365,193
FIRE POT BLOCK
Frank R. Higley, Cleveland Heights, Ohio, assignor to The Bryant Heater Company, Cleveland, Ohio, a corporation of Ohio
Application July 4, 1942, Serial No. 449,743
2 Claims. (Cl. 126—151)

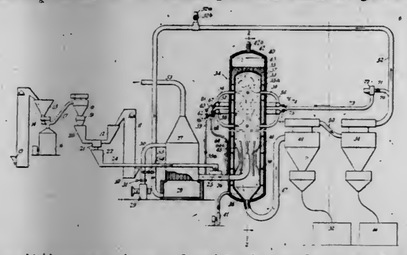


1. A block for building up the lining of a fire pot, having front and back walls, top and bottom walls and two side walls, said front wall having a high spot overhang at the lower end of its mid-section and having low spots at its upper corners and spots of the same intermediate height at its lower corners and the upper end of its mid-section, whereby when a series of blocks are assembled in staggered relation the low spots come under the overhangs and the points of intermediate height come together, forming a pattern of substantially diamond shaped areas with their high spots at the bottom corners and low spots at the other three corners.

2,365,194
METHOD OF AND MEANS FOR REDUCING ORES
Frank Hodson, Elmhurst, and Paul A. Hirsch, New York, N. Y., assignors to American Ore Reduction Corporation, New York, N. Y., a corporation of Delaware
Application July 19, 1941, Serial No. 403,090
23 Claims. (Cl. 75—26)

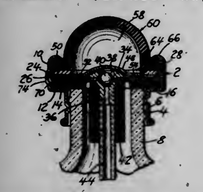
1. A method for the treatment of iron ores and other materials consisting essentially of compounds of iron which comprises forcing the ma-

terial to be treated in finely divided state through a reducing zone in suspension in a carbonaceous gaseous atmosphere of reducing nature, cooling the atmosphere in said zone to limit the maximum temperature therein to that required to reduce said material to metallic powder and to provide



an exit temperature of said atmosphere and the solid material suspended therein from said zone of between approximately 700° C. and 800° C., and separating said solid material from said gaseous atmosphere at a temperature between 700° C. and 800° C.

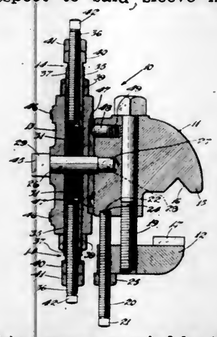
2,365,195
ATOMIZER HEAD
Irving T. Holihan and Walter H. Davis, Waterbury, Conn.
Application February 25, 1942, Serial No. 432,180
14 Claims. (Cl. 299—88)



1. In an atomizer head adapted to be applied to a container, a cup shaped member, means for conducting liquid to said member, a plate having a surface thereof spaced from said member and cooperating therewith to maintain a film of liquid within said cup shaped member and between said member and plate, means forming channels communicating with the space between said plate and member at diametrically opposite points, said cup shaped member having an aperture in the side wall thereof with which one of said channels communicates, and a compressible bulb having an air space therein communicating with the other channel for forcing air through said space and for expelling air and liquid through the other channel and from said aperture.

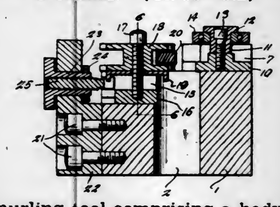
2,365,196
LATHE ATTACHMENT
John A. Honegger, Bloomfield, N. J., assignor to Specialties Manufacturing Company, Inc., Bloomfield, N. J., a corporation of Delaware
Application March 26, 1942, Serial No. 436,296
7 Claims. (Cl. 82—34)

1. In a lathe attachment of the class described, the combination of a body member, a member rotatably mounted on said body member, and a series of stops projecting radially from said rotatable member, each of said stops including a sleeve member adjustably threaded into said rotatable member, a screw member adjustably threaded into said sleeve member, means for locking said sleeve member in adjusted position with respect to said rotatable member, means for locking said screw member in adjusted position with respect to said sleeve member, and



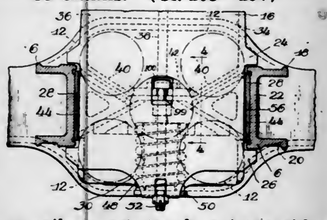
resilient latching means carried by the said body member and adapted to engage said rotatable member to lock the same against accidental rotative movement relative to said body member.

2,365,197
KNURLING TOOL
William Harry Kay, Columbus, Ohio, assignor of one-half to Marie M. Janotta, Columbus, Ohio
Application October 6, 1943, Serial No. 505,234
3 Claims. (Cl. 80—5.1)



1. A knurling tool comprising a body having a bore therein for the passage of a piece of work, said body further having a T-groove therein communicating with the bore, a T-member slidable in the groove, a frame slidable on the body above the groove, knurling rollers journaled in said frame, a bolt connecting the frame to the T-member for securing said member and said frame in adjusted position on the body, and means for adjusting the frame.

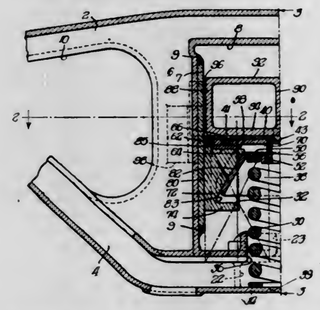
2,365,198
TRUCK
Leo A. Lehrman, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application May 1, 1943, Serial No. 485,265
35 Claims. (Cl. 105—197)



16. In a railway car truck, a truss side frame having tension and compression members and spaced columns defining a bolster opening, springs

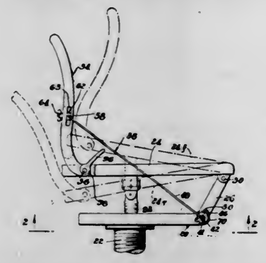
on said tension member in said opening, a bolster supported on said springs with guide lugs in cooperative engagement with said columns, said bolster having a box-section end portion and a transverse wall having diagonal friction webs, and friction means mounted in said bolster end including friction shoes engaging said webs and resiliently urged into engagement with said columns respectively.

2,365,199
TRUCK
David M. Light, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application October 11, 1941, Serial No. 414,550
34 Claims. (Cl. 105—197)



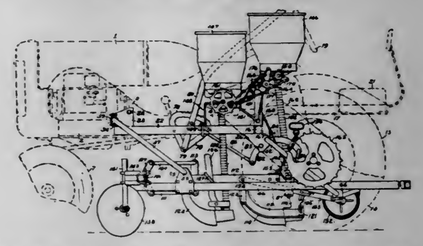
8. In a railway car truck, a side frame comprising a compression member, a two-level tension member and spaced columns defining therewith a bolster opening, a plurality of coil springs seated respectively on the upper and lower levels of said tension member, a spring cap supported by certain of said springs and comprising friction faces, friction shoes in frictional engagement with respective faces and respective columns, a follower engaged with said cap and said shoes, and a bolster extending into said opening, supported by other of said springs, and interlocked with said follower.

2,365,200
ADJUSTABLE CHAIR
Anton Lorenz, Chicago, Ill.
Application March 16, 1942, Serial No. 434,849
19 Claims. (Cl. 155—55)



16. An adjustable chair comprising: a support, a seat, a back-rest, the front portion of said seat being pivoted to said support, the back-rest being pivoted to the rear portion of said seat, guiding link-means, one end of said guiding link-means being pivoted to said support at a point positioned in the front portion of the chair in a plane below the horizontal plane of said front pivot of the seat, the other end of said guiding link-means being hinged to an intermediate point of said back-rest, said guiding link-means being adjustable for a preadjustment of the relative position between the back-rest and the seat, said seat being arranged for a tilting about its front pivot from a substantially horizontal sitting position into an extreme reclined position, said intermediate point of the back-rest being guided along a circular path by said guiding means during a tilting of said seat whereby the angle between the seat and the back-rest is increased when the seat is tilted from the sitting position into the reclined position, spring means arranged between said support and a movable part of the chair for urging said seat into said sitting position, and limiting means connected with the seat and arranged for cooperation with the support for limiting the sitting position of the seat.

2,365,201
PLANTER
John D. McKahin, La Crosse, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application August 3, 1940, Serial No. 350,686
22 Claims. (Cl. 111—59)

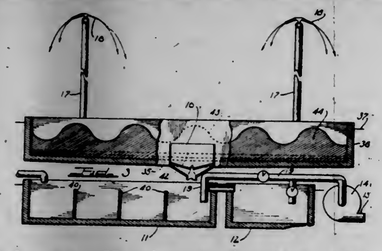


1. An agricultural implement comprising, a self-sustained traveling support, a main tool support, adjusting means connecting said main tool support with said traveling support for vertical movement of said main tool support relative to said traveling support, an auxiliary tool support, means cooperating with said main and auxiliary tool supports to connect said auxiliary tool support with said main tool support for vertical movement relative thereto, ground engaging means mounted on said auxiliary tool support for forming a furrow and for gauging the depth of said furrow, said ground engaging means being pressed downwardly upon the ground solely by forces of gravity acting upon said auxiliary tool support, a hopper mounted on said traveling support, and means for delivering material from said hopper into said furrow.

2,365,202
PROCESS OF MAKING FERRIC HYDRATE
William E. Marek, Chicago, Ill., assignor to Connelly Iron Sponge & Governor Co., Chicago, Ill., a corporation of New Jersey
Application June 14, 1941, Serial No. 398,029
11 Claims. (Cl. 23—200)

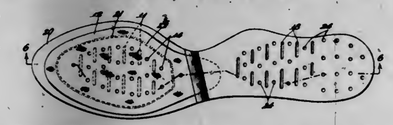
1. In the field method of preparing by atmospheric corrosion of moist finely divided metallic iron a ferric hydrate material useful for removal of hydrogen sulfide from fluid media, the improvement comprising maintaining in said moisture a concentration of material selected from the group consisting of ferrous ammonium sulfate

and of a mixture of ferrous sulfate and a sulfate of an organic amine base such that said moisture



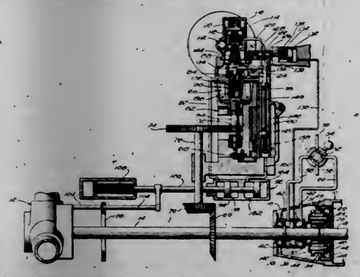
will have a pH value ranging from 4.3 to 7.0 throughout said corrosion.

2,365,203
COMPOSITE INSERT FOR INSOLES
Meyer Margolin, Elgin, Ill.
Application July 10, 1942, Serial No. 450,380
5 Claims. (Cl. 36—3)



1. An insole having an opening in the forepart thereof, an insert disposed in said opening, said insert being composited from a cover member and a resilient insert element, said resilient insert element having slots, said slotted resilient insert element being secured to said cover member so as to close one end of said slots, said cover member being secured to said insole.

2,365,204
MULTISPEED GOVERNOR
Erle Martin, West Hartford, and Nelson R. Richmond, Thompsonville, Conn., assignors to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application November 14, 1941, Serial No. 419,196
13 Claims. (Cl. 170—135.6)



1. A control for a power plant including a driving device, a driven device, a speed responsive governor driven from said driven device and controlling the speed of said driven device at all times by effecting speed varying changes in said driven device, a change speed gear between said driving and driven devices having a high speed drive position, a low speed drive position and a neutral position, and manually actuatable means for shifting said gear, said control comprising mechanism operatively connected with and interposed between said gear shifting means and said governor for automatically providing a high speed setting for said governor whenever said change speed gear is in said high speed drive position and a low speed setting for said governor whenever said change speed gear is in said low speed drive or said neutral position.

2,365,205
WAVE RIDING SPEED VESSEL
James V. Martin, Hempstead, N. Y.
Application November 7, 1940, Serial No. 364,637
16 Claims. (Cl. 244—106)

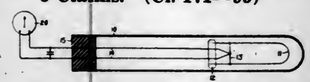


12. In combination with a twin hull wave riding vessel, a main wing forming a truss to hold the said hulls in parallelism, said wing having a comparatively thick central section to contain the said truss and also to provide a passenger and goods compartment, power units disposed in nacelles directly ahead of the leading edge of the said wing and on both sides of the said hulls and interior communicating passages between said nacelles and said wing compartment, the said wing having upward and outward reverse curves located laterally outwardly from the positions adjacent the outermost of said power units and providing a continuation of the said passenger and goods compartment into the said elevated wing ends each adjacent hull and wing tip related in superbuoyancy and location to the slope of an ocean wave, whereby the immersion of said hull is adapted to raise the said wing end above all portions of the said wave.

2,365,206
PROCESSES OF COLOR DEVELOPMENT
Emery Meschter, Milltown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 15, 1943, Serial No. 475,976
14 Claims. (Cl. 95—88)

1. A color forming photographic developer comprising a primary aromatic amino developing agent, a compound which couples with the oxidation product of the developing agent on photographic development to produce a dyestuff image and a heterocyclic nitrogenous base free from negative groups and hydroxyl groups attached to acyclic carbon.

2,365,207
HIGH-FREQUENCY THERMOCOUPLE
Frank J. Moles, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application November 9, 1942, Serial No. 465,085
5 Claims. (Cl. 171—95)



1. A thermocouple unit for detecting high frequency current phenomenon comprising a sealed and evacuated tube, conductor wires joined together within said tube and forming a thermocouple, connections leading out of said tube for connecting a direct current instrument to said thermocouple, a high frequency alternating current circuit in which said thermocouple wires are included, the flow of high frequency current in such circuit causing the hot junction of said thermocouple to be heated, and said thermocouple wires comprising the sole heating means for the thermocouple, and provisions for segregating the high frequency circuit from the thermocouple instrument connections to the extent necessary to prevent flow of high frequency current to the instrument.

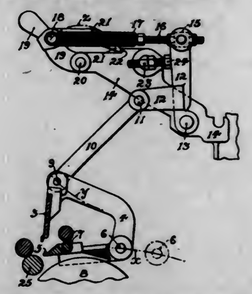
2,365,208
MANUFACTURE OF COPPER BASE ALLOY PRODUCTS
Alan Morris, Nichols, Conn., assignor to Bridgeport Brass Company, Bridgeport, Conn., a corporation of Connecticut
No Drawing. Application July 15, 1942, Serial No. 451,009
12 Claims. (Cl. 148—11.5)

1. In the manufacture of articles from copper base alloy containing over 1% of aluminum wherein the alloy is cast and the cast metal is formed by steps including cold working and annealing, said alloy comprising impurities precipitable from the metal at annealing temperatures, the step comprising subjecting the alloy to cold mechanical working wherein the alloy is drawn, said drawing being effected while said impurities are in the condition of suspended precipitability and being such that the cross section of the metal is reduced to not more than 50% of its cross section prior to the drawing, thereby inhibiting subsequent precipitation of said impurities at annealing temperatures.

2,365,209
BENEFICIATED MINERAL OILS
John M. Musselman, South Euclid, Ohio, assignor to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application October 23, 1940, Serial No. 362,433
12 Claims. (Cl. 252—33)

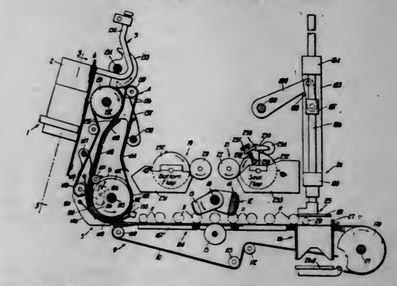
1. A lubricant, comprising a mineral oil and sodium lauryl sulphate and the reaction product of phosphorus pentasulphide on degras.

2,365,210
COMBING MACHINE FOR TEXTILE FIBERS
John William Nasmith, Heaton Mersey, Manchester, England
Application September 19, 1941, Serial No. 411,836
In Great Britain June 26, 1941
4 Claims. (Cl. 19—121)



1. In a textile combing machine having upper and lower nipper jaws, a spring adapted to apply closing force to the upper nipper jaw on backward movement of the nipper jaw pair in the operation of the machine, such spring being bodily displaceable, a normally locked and releasable latch member, and connecting means between the spring and a movable part of such latch member and between such spring and the upper nipper jaw, the movable part of the latch member, spring, and connections being movable together on release of the latch member, the resultant movement of the upper nipper jaw being an opening movement.

2,365,211
ENVELOPE MACHINE
Abraham Novick, Flushing, N. Y., assignor to F. L. Smithe Machine Co., Inc., New York, N. Y., a corporation of New York
Application April 20, 1940, Serial No. 330,646
2 Claims. (Cl. 93—66)

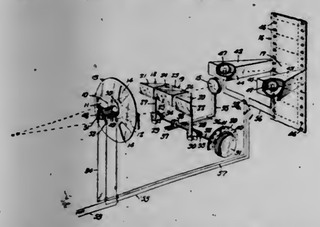


1. An envelope making machine comprising, in combination, means for supporting a stack of blanks in an inclined attitude, means for singly withdrawing envelope blanks laterally from the lower end of the stack, means for feeding the blanks downward a substantial distance below the stack, said feeding means being of an open construction, so that an operator can see through it, conveyor means for thereafter conveying the blanks in a substantially horizontal path in which the blanks can be seen from a point of observation below the stack by looking through the feeding means which feeds the blanks downward below the stack, said means for supporting said stack of blanks being located above said horizontal path, said conveyor means being confined substantially to longitudinal zones alongside the path traversed by the body portions of the envelope blanks, and engaging the blanks outside the lateral bounds of the body portions thereof, an envelope forming plunger mechanism at the end of said path, bottom flap gumming means for acting on the blanks as they travel along said path, and seal flap gumming means for acting on the blanks as they travel along said path, said bottom flap and seal flap gumming means being mounted with a common axis of rotation to minimize length requirements of such path, and said path being accessible through the conveyor means, and short enough so that all portions of said path are within arm's reach of an operator of usual size when seated at the introductory end of the machine with his head beneath the stack.

2,365,212
STEREOSCOPIC MOTION PICTURE DEVICE
Ramón Oriol, Manila, P. I.; vested in the Alien Property Custodian
Application October 30, 1941, Serial No. 417,194
3 Claims. (Cl. 88—16.6)

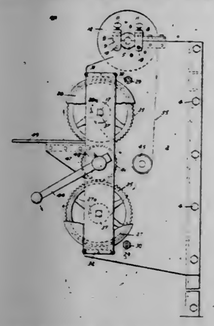
1. In a stereoscopic moving picture camera having means for intermittently progressing a film strip between exposures, the combination com-

prising lens means aligned with said film and facing an object to be photographed whereby to image the object on the film, prism means spaced from said lens means on the object side of the lens means for receiving light rays proceeding from the left and right of said object and for directing said rays through said lens means, shutter means having a rotating shutter element located on the object side of said prism means for allowing said left and right rays to be alternately transmitted through the prism means and lens means onto said film, separate electrically energized means arranged opposite the left and the right edge of said film for alternately directing



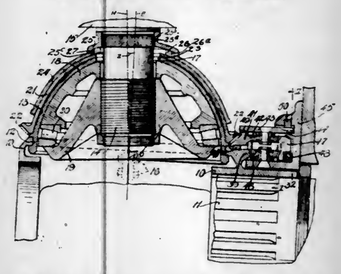
light rays onto said edges during exposure of the film whereby to mark the film frames alternately on opposite edges to indicate left and right exposures, a source of electricity, each of said electrically energized film marking means in circuit with said source, and circuit closing means in said circuit and actuated on rotation of said shutter element whereby to alternately energize the left and right electrically energized film marking means on the transmission of said left and right rays respectively by said shutter means, the rotation of said shutter element to pass said left and right rays being synchronized with the intermittent movement of the film.

2,365,213
STRIPPING MACHINE
Bernard M. Packtor, Springfield, Mass.
Application September 25, 1943, Serial No. 503,835
3 Claims. (Cl. 164—65)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In an apparatus for tearing and coiling sheet material, means arranged to rotatably support a roll of sheet material, a table arranged to receive the end portion of said sheet material, a cutter mounted for transverse movement across said table whereby the end portion of the sheet material may be cut into a plurality of strips, a plurality of spaced, rotatably mounted spindles, means on each of said spindles for respectively engaging successive strips of said material, and means for simultaneously rotating said spindles whereby the sheet material is torn into lengthwise strips and the strips coiled on the said spindles.

2,365,214
SCREW PROPELLER, PARTICULARLY FOR AIRCRAFT
Hans Reissner, Chicago, Ill.
Application October 5, 1940, Serial No. 359,923
10 Claims. (Cl. 170—163)



1. A variable pitch propeller for aircraft comprising a hub, a plurality of blades, bearing means carried by said hub supporting each of said blades for rotary movement in a fixed path about a freely movable axis disposed at an acute angle in relation to the centroid axis of the blades, said bearing means having parts constraining the free movement of the first axis along a surface of predeterminable shape and orientation, said surface having a point fixed in relation to said bearing means.

2,365,215
DETERGENT COMPOSITION
John Cecil Rhodes, Wyncote, Pa.
No Drawing. Application January 23, 1941, Serial No. 375,619
4 Claims. (Cl. 252—137)

1. A finely divided free-flowing non-caking readily water-soluble detergent powder composition comprising by weight about 25 to 75% sodium metasilicate, 10 to 40% sodium carbonate, an effective amount up to 35% sodium bicarbonate, 5 to 20% of an organic wetting agent and 1 to 15% tetrasodium pyrophosphate in substantially unreacted form, said composition having a pH about 9 to about 11.5 in about 1% by weight aqueous solution.

2,365,216
ART OF ROLLING RODS
George R. Roemer, Mount Lebanon. Pa.
Application January 4, 1943, Serial No. 471,243
13 Claims. (Cl. 80—63)

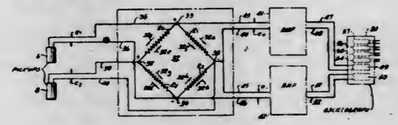


1. The method of making steel rods and the like including the steps of rolling billets of coilable section and each weighing 3000 pounds and upwards and from approximately one-half to approximately the entire ingot weight directly from ingots, coiling each of said billets in a single coil to facilitate handling, transferring said billet coils to a rod mill, uncoiling the billets at a temperature below scaling temperature, passing the billets continuously lengthwise through an induction heating furnace and quickly heating the same therein to rolling temperature, and continuously rolling the heated billets to form rods and the like.

2,365,217
METHOD OF MAKING BUTTER
Charles A. Rogers, Detroit, Mich.
No Drawing. Application August 2, 1940, Serial No. 350,086
5 Claims. (Cl. 99—119)

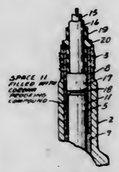
3. In the processing of sour cream, the steps of first pasteurizing said cream, subjecting the cream substantially at the temperature to which it is raised in the pasteurizing step to the influence of a partial vacuum, then centrifugally clarifying said cream, and thereafter standardizing the acidity of the cream.

2,365,218
ELECTRICAL INDICATING AND MEASURING APPARATUS
Orville R. Rogers, Dayton, Ohio
Application March 27, 1943, Serial No. 480,872
12 Claims. (Cl. 73—70)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



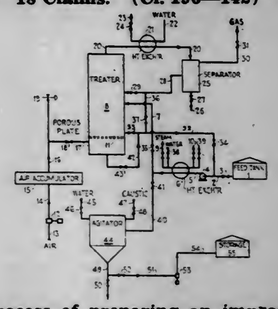
1. In electrical indicating apparatus of the class described, in combination, a plurality of independent voltage sources, means for simultaneously adding and subtracting the concurrent instantaneous values of the outputs of said sources, and means for visually indicating the concurrent instantaneous sums and differences of said outputs graphically related to a common time base.

2,365,219
FLASHOVER PREVENTION MEANS FOR HIGH-TENSION IGNITION APPARATUS
John J. Rose, Dayton, Ohio
Application September 16, 1942, Serial No. 458,583
9 Claims. (Cl. 315—85)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A flash-over proof shielded spark plug and terminal construction in which the spark plug is of the character having a central electrode extending into a tubular shielding extension of the plug, the tubular shielding extension being lined with an insulating material to form a terminal shielding well; the improvement which comprises means for electrically insulating the bottom of the shielding well from electrical flash-over from the central electrode to the grounded spark plug shell, a gasket seat provided on the upper end of the insulated lining of the shielding well, a sleeve of rubber or like resilient insulating material tightly surrounding the ignition cable and extending into the shielding well and having a length sufficient to extend beyond the spark plug shield into the shielding harness, and a sealing washer integrally formed with said sleeve intermediate its ends and adapted to be brought into tight sealing engagement with the said gasket seat provided on the insulating lining of the shielding well, whereby electrical flash-over from the central electrode of the spark plug to the grounded tubular shielding extension of the plug is prevented.

2,365,220
PROCESS OF PREPARING AN IMPROVED INJECTION ENGINE FUEL
Thomas H. Schultz, Richmond, and Irving E. Levine and Homer B. Wellman, Berkeley, Calif., assignors to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware
Application July 10, 1939, Serial No. 283,636
18 Claims. (Cl. 196—142)

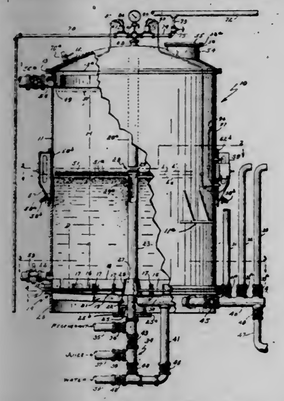


1. A process of preparing an improved injection engine fuel containing substantial proportions of chemically combined reactive oxygen, which chemically combined reactive oxygen is directly measurable in terms of oxygen factor of the said fuel, comprising subjecting a petroleum distillate injection engine fuel relatively free from asphaltic and resinous materials and from large proportions of aromatic ring compounds to treatment in liquid phase with an oxygen-containing gas at a temperature within the range 200° to 400° F. for a period of time sufficient to produce an oil having an oxygen factor of higher than about 5 but insufficient to increase the neutralization number of the oil by more than about 15, arresting the said treatment before the oxygen factor of the produced oil decreases to below about 5, and removing acidic reaction products from the produced oil without reducing the oxygen factor thereof to below about 5.

2,365,221
APPARATUS AND METHOD FOR CONDUCTING IONIC EXCHANGE OPERATIONS
Ralph W. Shafor, New York, N. Y., assignor to The Dorr Company, Inc., New York, N. Y., a corporation of Delaware
Application February 28, 1942, Serial No. 432,898
20 Claims. (Cl. 210—24)

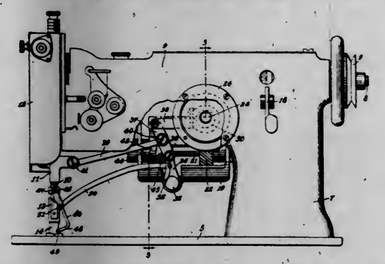
1. An exchanger cell comprising a receptacle adapted to hold a bed of granular exchanger material occupying a portion of the cell whereby there is left a substantial free volume above the bed, a vertical feed conduit extending from the bottom of the receptacle through said bed to a point above the top strata of the bed, controllable inlet means for passing liquid to be treated into and upwardly through said feed conduit, said inlet means adapted to be closed when the supply of said liquid is to be shut off from said feed conduit, means for discharging the liquid having

passed through the bed from the bottom of the receptacle substantially at a rate at which it is fed whereby the bed is kept substantially in submergence, said feed conduit being provided with a valve seat at the upper end thereof, one-way valve means provided at the upper end of said feed conduit, and effective to admit liquid fed under pressure to said receptacle, means for passing an upward flow of wash water through said



bed while the supply of pressure fed liquid to the feed conduit is shut off, which means comprise controllable inlet means for admitting the wash water under pressure at the bottom of the bed causing the level of the wash liquid to rise above said valve seat and into said free volume of the receptacle, overflow means leading from the upper portion of the receptacle and determining the maximum level of the wash water, and shut-off means for said overflow means.

2,365,222
EMBROIDERY STITCHING ATTACHMENT FOR SEWING MACHINES
Victor J. Sigoda, Great Neck, N. Y., assignor to Man-Sew Pinking Attachment Corp., New York, N. Y., a corporation of New York
Application February 4, 1941, Serial No. 377,305
8 Claims. (Cl. 112—98)



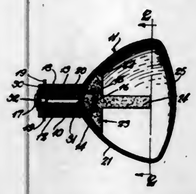
1. In a sewing machine, in combination with stitch forming mechanism including a vertically reciprocating needle bar and needle carried thereby and a carrying frame for said needle bar; means for imparting lateral vibratory motion to said frame and for concurrently laterally shifting the position of said frame with respect to the feed path of the material to control the field of vibratory motion in accordance with a predetermined design, said means including independently operable members for transmitting vibratory motion and for laterally shifting the position of the frame respectively, means operatively connected with the latter member for movement in correspondence with the lateral shifting of said frame to position a fillet thread in advance of the needle, and a common actuating means connecting said members with each other and with said needle bar carrying frame.

2,365,223
COOLING SYSTEM FOR AIRCRAFT
Abe Silverstein, Hampton, Va., and Ferril R. Nickle, Mountain View, Calif.
Application August 28, 1940, Serial No. 354,472
3 Claims. (Cl. 244—53)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



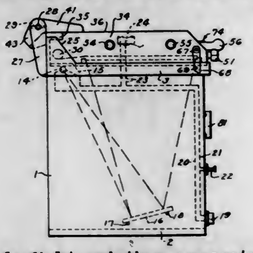
1. In a cooling system for objects contained within an airplane wing, a duct extending through the wing for the transfer of a coolant therethrough, pivotal closures at the inlet and the outlet of the duct for regulating the flow of the coolant, a piston operable within a cylinder and controllable by changes in aerodynamic pressure at the leading edge of the wing for actuating the inlet closure, a piston operable within a cylinder for actuating the outlet closure, said latter piston being motivated by aerodynamic pressure at the leading edge of the wing, and a Sylphon influenced by changes in temperature in the duct for directing said pressure to either side of the piston to actuate the outlet closure independently of the inlet closure.

2,365,224
INCANDESCENT ELECTRIC LAMP AND METHOD OF MAKING THE SAME
Grover C. Singer, Brownsville, Tex.
Application October 14, 1942, Serial No. 461,978
3 Claims. (Cl. 117—35)



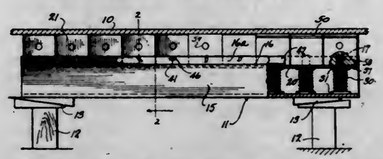
3. A method of forming a reflector on the curved bottom of a globe of an electric lamp in which wires extend from the base portion of the lamp into the globe with the base portion having a passage through which instruments are adapted to be inserted, and which comprise applying a liquid wax to the extended wires in the globe and to a portion of the space on the curved bottom which surrounds the wires, so that after the reflector has been formed on the curving bottom of the globe, the wax may be removed to leave a space on the base free of the reflector around the wires where they project from the base, injecting through the passage silver nitrate, and applying the same to the curved bottom of the globe and to the wax enclosing the wires, dissolving the wax coating and removing the same from the globe.

2,365,225
DAYLIGHT PRINTER
Harold F. Stiffler, Medway, Ohio
Application September 10, 1943, Serial No. 501,761
19 Claims. (Cl. 95—73)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a daylight printing apparatus, a light tight casing, a printing platform thereon, having a printing opening with transparent negative supporting means extending across said opening, a printing head hinged to said platform to cover said transparent supporting means, light excluding means between the printing head and said platform, pressure operated carrier means movably mounted in said printing head for vertical movement toward and away from said negative supporting means and adapted to removably receive and support a light excluding holder, containing a sensitized photographic sheet to be printed, having a removable dark slide for exposing the sensitized photographic sheet, and means for moving said carrier means toward said transparent negative supporting means to contact the sensitized photographic sheet therein with a negative on said negative supporting means, and away from said negative supporting means to permit the insertion of the dark slide in the holder and the removal of the holder from said carrier means.

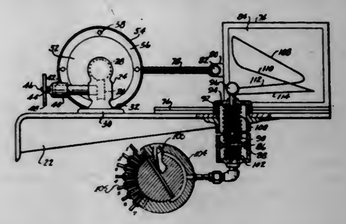
2,365,226
BACKUP BAR
William H. Stout, Portland, Oreg.
Application April 5, 1943, Serial No. 481,862
12 Claims. (Cl. 113—111)



1. A back-up bar for use in seam welding, comprising a succession of separate relatively movable articulated segments, a rigid support for the bar, whereby to hold it against a seam during a welding operation, pressure means in the support arranged to act on the bar to retain the segments in close conformity with the seam, and means for applying yielding pressure against the ends of the bar to press the segments together.

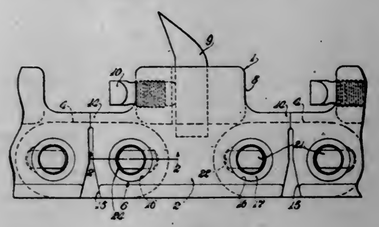
2,365,227
ENGINE OPERATION ANALYZER
Charles Unterberg, Osborn, Ohio
Application May 11, 1943, Serial No. 486,601
1 Claim. (Cl. 234—21)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

An engine operation analyzer for an engine having a cylinder comprising a framework including a support for attaching it to a part of the engine, an adjustable-throw crank rotatably supported on said framework, means drivably connecting said crank for rotation by said engine, means providing rotative adjustment of the crank with respect to said engine, a crank pin adjustable toward or away from the axis of said crank, a card holder reciprocally mounted on said framework, reciprocating means joining said crank pin to said card holder, a recording cylinder, closed at one end but open to the atmosphere at the other, fast on said framework with its axis at right angles to the reciprocating move-



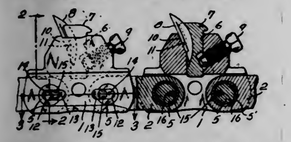
ment of said card holder, a piston slidable in said recording cylinder, the space between said piston and said closed end being connected to the engine cylinder under analysis, resilient means associated with said recording cylinder, opposing piston movement in either direction in said recording cylinder, calibrated to correspond to the maximum positive and negative pressures of the engine cylinder being analyzed, operating means associated with said piston, a writing point carried on said operating means, and means to engage said card holder with said writing point.

2,365,228
CHAIN
Harry H. Vanderzee, Michigan City, Ind., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application August 28, 1941, Serial No. 408,669
18 Claims. (Cl. 74—254)



1. In a pivotal chain link connection, in combination, chain links having openings in their adjacent ends for receiving a pivot member, a tubular pivot member extending through said openings, and means for locking said pivot member within said openings including a recess formed in one of said chain links and extending through the wall of the opening therein, an opening through the side of said tubular pivot member, and a locking member extending through said last mentioned opening into said recess and abutting at its ends the inner wall of said tubular pivot member and the bottom of said recess.

2,365,229
PIVOTED LINK CHAIN
Harry H. Vanderzee, Michigan City, Ind., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application December 4, 1942, Serial No. 467,913
17 Claims. (Cl. 74—251)



1. A chain including a series of chain elements pivotally connected together by hinge pins, said pins having openings extending lengthwise therethrough, transverse openings in said pins near their opposite ends, recesses in certain of said chain elements, said transverse pin openings being disposable in registry with said recesses, separate non-deformable, rigid locking elements at the opposite ends of said pins, said locking elements arranged in said transverse openings and projecting into said recesses, and means cooperating with at least one of said locking elements of each pin and extending within the longitudinal pin opening for retaining a locking element in operative position.

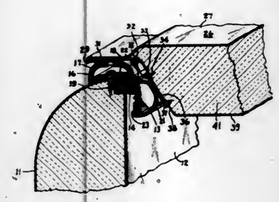
2,365,230
VENTED PARACHUTE WITH CONE
Christian A. Volf, Los Angeles, Calif.
Application May 21, 1942, Serial No. 443,961
12 Claims. (Cl. 244—142)



1. A parachute, comprising a canopy composed of a plurality of panels, certain of which are provided with vents which open automatically to relieve excess air pressure existing below the canopy, an air deflecting cone positioned centrally below the canopy, with its apex downwardly, and shroud lines connecting the canopy and cone to the load.

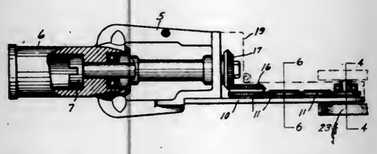
2,365,231
REFRIGERATION APPARATUS
Evert S. Wegman, East Longmeadow, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 15, 1942, Serial No. 439,009
3 Claims. (Cl. 220—9)

1. A gasket strip and mounting thereof to a refrigerator cabinet, said cabinet comprising a vertical wall defining a storage compartment and an access opening at the top thereof, said wall including an outer shell shaped to provide a substantially horizontal portion peripherally of the access opening and a turned-down flange at the inner extremity of said horizontal portion spaced from said wall toward the interior of said storage compartment, said gasket strip comprising a resilient continuous bead, a second resilient continuous bead joined edge to edge to said first-named bead, and a continuous hook element



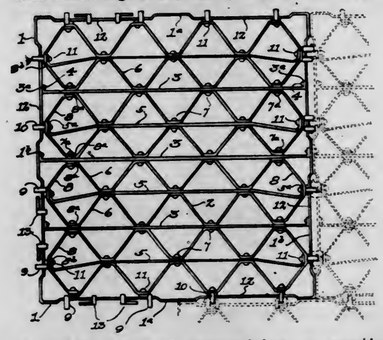
joined edge to edge to said second bead, said gasket being secured to said cabinet by engagement of said hook element with the lower edge of said flange and by means securing said first-named bead to said substantially horizontal portion of the outer shell.

2,365,232
PORTABLE TOOL
William W. Wert, Dayton, Ohio
Application September 5, 1942, Serial No. 457,465
3 Claims. (Cl. 51—170)



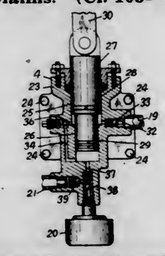
3. An attachment for a conventional portable electric drill unit of the type wherein a motor enclosed within a housing drives a rotary power shaft, the end of which is accessible from the exterior of the housing, including a mounting frame detachably engageable with the electric drill unit, a rotary extension shaft journaled in the mounting frame and engageable end to end with the power shaft of the drill unit for unison rotation, an elongated flat arm projecting from the mounting frame in parallel relation with the axis of the extension shaft, a rotary cutting disc, a revoluble spindle journaled in said arm adjacent the extremity thereof with its axis at right angle to that of said extension shaft, the ends of the spindle being accessible from opposite sides of said arm, attachment means for interchangeably connecting the rotary cutting disc with the opposite ends of the spindle for unison rotation, the construction and arrangement being such that the rotary cutting disc is optionally mountable on either side of the extremity of the arm for rotation in a plane parallel with the arm and power transmission means, including motion translating means located in proximate relation with the mounting frame and in remotely spaced relation with the rotary cutting disc for translating the rotary motion of the shaft into rotary motion of the cutting disc about an axis at right angle to the axis of the shaft while maintaining the size of the arm at minimum cross sectional dimensions in proximity to the cutting disc.

2,365,233
INTERLOCKING GRATING PANEL
Charles N. Wilson, Fort Belvoir, Va., assignor to the United States of America, represented by the Secretary of War
Application January 27, 1941, Serial No. 376,217
6 Claims. (Cl. 94—13)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



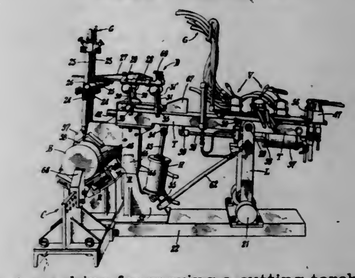
1. A grating panel comprising a continuous enclosing frame having substantially parallel side and end sections, main longitudinal bars extending between and rigidly secured to the end sections, supplementary longitudinal bars extending substantially parallel to and intermediate the main longitudinal bars, truss bars terminating short of the end sections, said truss bars being rigidly secured to and extending continuously back and forth between opposing faces of said main and supplementary longituinal bars and between said side sections and the opposing faces of the adjoining supplementary bars to define therewith a series of triangularly shaped openings, the sides of which extend in approximate alignment diagonally of the panel, terminal pieces connecting those ends of adjacent pairs of truss bars located upon opposite sides of the supplementary longitudinal bars, and means rigidly securing the ends of the supplementary longitudinal bars and said terminal pieces to said end sections to provide a unitary panel structure affording uniform stress distribution.

2,365,234
PUMP MECHANISM
Wade H. Wineman, Michigan City, Ind., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Original application September 17, 1940, Serial No. 357,155. Divided and this application December 23, 1942, Serial No. 469,865
2 Claims. (Cl. 103—9)



1. In a combined liquid and gaseous fluid pump, in combination, a cylinder block having stepped bores therein, a piston having portions fitting each of said bores, a valve controlled supply passage opening into the larger of said stepped bores adjacent the junction of said bores, a valve controlled supply passage opening into the smaller of said stepped bores at its end opposite the junction of said bores, the first of said supply passages adapted to communicate with a liquid supply chamber and the second one of said supply passages adapted to communicate with a source of gaseous fluid, a valve controlled passage for connecting said bores in communication with each other and having associated therewith means permitting flow only from the larger to the smaller bore, and a valve controlled terminal discharge passage for said pump opening only into the smaller of said bores.

2,365,235
BLOWPIPE MACHINE
Lloyd W. Young, Scotch Plains, N. J., Thomas S. James, Ben Avon, Pa., and John H. Rountree, Plainfield, N. J., assignors to The Linde Air Products Company, a corporation of Ohio
Application November 7, 1941, Serial No. 418,224
9 Claims. (Cl. 266—23)

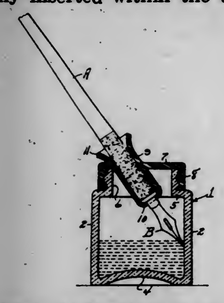


8. A machine for moving a cutting torch across any one of a plurality of sizes of ferrous metal bodies, such as round steel bars or billets, to thermochemically form a kerf therethrough, such machine comprising, in combination, a support adjacent such a bar; a link pivotally connected to said support for movement through an arc about such connection; a boom pivotally connected to said link for movement through an arc about the connection between said boom and said link, said boom extending toward said bar and having an end portion adapted to engage said bar; a device on said boom for propelling a cutting blowpipe through a predetermined path substantially parallel to the surface of said bar; a member connected to said link and adapted to limit the arcuate movement of said link; a fluid-operated cylinder connected to said boom to move said boom about its pivot connection to said link and about the pivot connection of said link to said support for moving the blowpipe to an operative position adjacent said bar and to an inoperative position spaced from said bar.

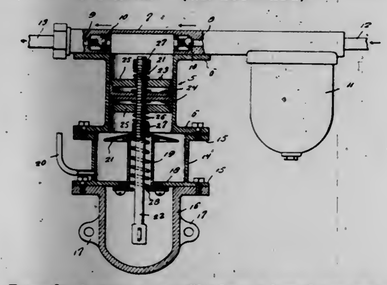
2,365,236
INK CONTAINER
Howard Y. F. Zane, Honolulu, Territory of Hawaii
Application July 15, 1943, Serial No. 494,843
3 Claims. (Cl. 120—57)

1. An ink container comprising a body having a flat side wall, a removable closure for the body, a dip-tube secured to and extending through the closure for receiving a pen holder having a nib secured thereto, and said tube being disposed at an angle with respect to the top of the

closure and directed toward said wall for the nib to substantially contact the same when the holder is fully inserted within the tube, whereby when the level of ink within the body becomes low, the container can be tilted to rest upon said wall for the nib to reach the ink.



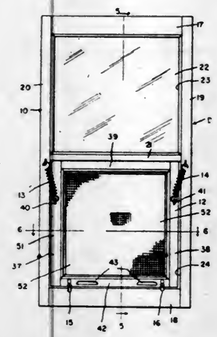
2,365,237
FUEL PUMP
Lloyd Allen, Jr., Los Angeles, Calif.
Application July 20, 1943, Serial No. 495,494
2 Claims. (Cl. 103—154)



1. In a fuel pump, a cylinder, a head on one end of the cylinder and including inlet and outlet passages, check valves for said passages, a piston in said cylinder, said piston including a piston head and stem, said stem extending exteriorly of the cylinder, an auxiliary cylinder connected to the first-named cylinder and having the piston stem extending therethrough, a sleeve mounted in the auxiliary cylinder with the stem extending therethrough, a deflector carried by said sleeve, an overflow for said auxiliary cylinder, and means for connecting the stem to an engine for the reciprocation of the piston.

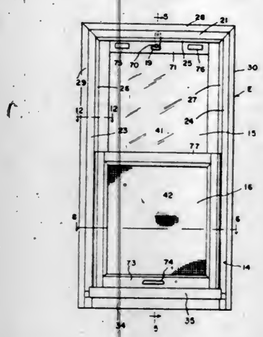
2,365,238
COMBINATION STORM SASH AND SCREEN STRUCTURE
Victor E. Anderson, Detroit, Mich.
Application December 7, 1942, Serial No. 468,162
3 Claims. (Cl. 160—180)

2. A portable storm sash combination, comprising an upright elongated rigid frame formed of top, bottom and side rails, said elongated frame having a cross bar between and rigid with the side rails intermediate their ends and dividing the elongated frame into upper and lower openings, a transparent panel within and permanently closing the upper opening, the cross bar being secured to and constituting a bottom frame member for said panel, the underside of said cross bar being provided throughout its length with a downwardly opening channel shaped groove, a removable sash insert within the lower opening, the upper edge of said insert being provided substantially throughout its length with an upstanding rib fulcrumed within the groove aforesaid in the underside of the cross bar whereby the insert may swing bodily outward about its fulcrum relative to the frame, the insert being quickly removable from the frame by disengaging the rib of the insert from the groove in the cross bar, coil springs terminally connected to the elongated



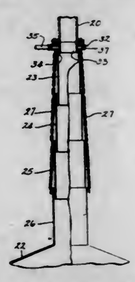
frame and to the insert and normally maintaining the fulcrum engagement aforesaid between the rib of the insert and the groove in the cross bar, said springs and their connections constituting the sole supports for said insert when its lower portion is swung outward away from the frame, and one or more detachable connections between the elongated frame and said insert for holding the insert in closed position against the frame to provide a tight joint between the parts.

2,365,239
COMBINATION STORM SASH AND SCREEN STRUCTURE
Victor E. Anderson, Detroit, Mich.
Application December 7, 1942, Serial No. 468,163
17 Claims. (Cl. 160—182)



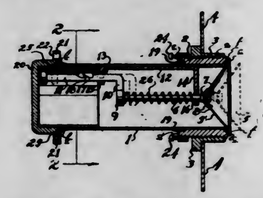
2. A storm sash and screen combination having a frame, upper and lower framed inserts slidable in said frame, means carried by the frame for holding the lower insert in an open position, and means for supporting the upper insert in an open position including a member carried by the upper insert and engageable with the lower insert.

2,365,240
TREATING AND STORING DEVICE
Gerald D. Arnold, Wauwatosa, Wis.
Application May 20, 1942, Serial No. 443,739
1 Claim. (Cl. 214—17)



In a device of the character described, the subcombination which includes a conduit for solids, a hood, a collapsible conduit section between the conduit and the hood, a tubular extension of the conduit extending into said section, said section being of larger diameter whereby to provide an annular port about said extension, and a fluid connection to said port for the introduction of a treating fluid through said port into the path of material delivered through said conduit.

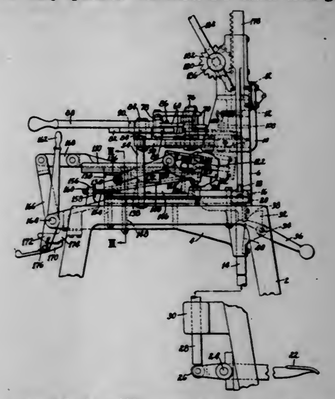
2,365,241
SERVICE VALVE FOR PORTABLE CONTAINERS
Cecil W. Ashley, Fort Worth, Tex.
Application June 20, 1941, Serial No. 398,898
3 Claims. (Cl. 222—501)



1. In a liquid service valve for portable containers having a fitting secured in the wall of the container and a sleeve slidably arranged through the said fitting, a conical diaphragm member having its inner face amenable to the pressure of the liquid within the said container to close the inner end of the said sleeve, a plunger operatively arranged in the said sleeve and connected to the said diaphragm member and a lever on said plunger providing means for manually operating the said diaphragm to open and close the same.

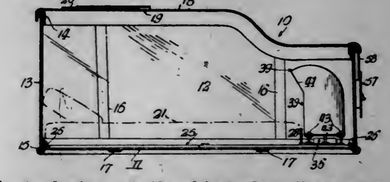
2,365,242
MACHINE FOR SHAPING SHOE UPPERS
Lewis J. Bazzoni, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application August 27, 1943, Serial No. 500,218
17 Claims. (Cl. 12—14)

13. In an upper-shaping machine, a plurality of wipers movable inwardly about an end of an upper on a form to wipe the margin of the upper over the form, said wipers being thus movable inwardly in converging paths meeting in a plurality of locations over the margin of the upper to localize between them by their approach to one another any pleats formed in said margin and



being provided with means for trimming said pleats by their inward wiping movements.

2,365,243
HEATING AND HUMIDIFYING ATTACHMENT FOR BASSINETS
John Wm. Boren, Marinette, Wis.
Application June 23, 1942, Serial No. 448,119
7 Claims. (Cl. 128—1)

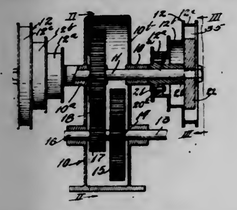


1. A device of the kind described and embodying therein a substantially imperforate panel-like base member, water evaporating means disposed at one end of said base member, heating means associated with said evaporating means so as to evaporate the water delivered thereto, means for controlling said heating means, and a hood on said base member and substantially enclosing said evaporating means and said heating means and arranged to take in air at an elevation below that of said evaporating means and to discharge it at an elevation above that of said evaporating means and in the general direction of the other end of said base member.

2,365,244
CLUTCH MECHANISM
Albert F. Bradley, deceased, late of Sterling, Ill., by Edith Bradley, administratrix, Sterling, Ill., assignor to Northwestern Steel and Wire Company, Sterling, Ill., a corporation of Illinois
Original application May 11, 1940, Serial No. 334,515. Divided and this application September 25, 1942, Serial No. 459,671
2 Claims. (Cl. 192—71)

1. A clutch mechanism for operatively connecting a driving member and a driven member comprising a disk mounted on the driving member for rotation therewith, a slot in the outer face of said disk spaced from a transverse axis thereof, a member slidable in said slot and having its end surface forming a flat face, a wedge

block on the driven member having a flat end face thereon for receiving thereagainst the face on said slidable member, the included angle between said faces and the longitudinal axis of said slidable member being such as to provide wedg-

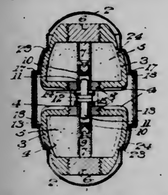


ing engagement between said faces when the disc is rotated in a driving direction, and a toggle device for sliding said member into and out of engagement with said wedge block for connecting and disconnecting the driving and driven members.

2,365,245
INSECTICIDE
Wesley G. Bruce, Dallas, Tex., dedicated to the free use of the People in the Territory of the United States
No Drawing. Application September 25, 1941, Serial No. 412,221
1 Claim. (Cl. 167—14)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

The method of controlling larvae which breed in animal droppings comprising adding to the feed of the animal zinc oxide.

2,365,246
HAND GRENADE
George Cardini, New York, N. Y., and Warren H. Davis, Nashua, N. H.; said Davis assignor to Charles L. Fish, Pepperell, Mass., trustee, and said Cardini assignor of sixty-six and two-thirds percent of his share to Anthony A. Calandra, Newark, N. J., trustee
Application February 24, 1941, Serial No. 380,196
9 Claims. (Cl. 102—64)



1. In a hand grenade, a casing comprising a cylindrical portion and two removable tapered end portions, two separated tapered explosive containers, detonators therefor comprising tubes secured to the bases of the containers in line with each other, said tubes extending into the containers and open to the interiors thereof, the outer ends of the tubes being open to the space between the containers, percussion caps seated in said tubes at a distance from their open outer ends, and firing pins slidable in the tubes, said firing pins having heads opposite each other in said space between the containers, a flight removable lock comprising bars located between the said heads of the pins and the bases of the containers and wings hinged to said bars, the bars serving to hold the heads of the pins in contact with each other and the containers against explosive movement in the casing, and a manually removable lock for said flight removable lock.

2,365,247
LOCKING DEVICE FOR REMOTE CONTROL AND OTHER FORCE-TRANSMITTING SYSTEMS
Quintin Healey Carlton, London, England, assignor to Automotive Products Company Limited, London, England
Application January 11, 1941, Serial No. 374,137
In Great Britain January 18, 1940
12 Claims. (Cl. 192—8)

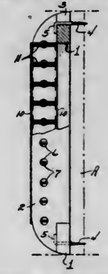


1. A hydraulic locking device (Fig. 2) comprising a fixed cylinder having its interior divided into two compartments by a piston **22** rigidly integrated with a piston rod **25** whose inner end is in the path of movement of an operating member **32**; said piston also being integrated with a member **33** required to be operated, and further being integrated with a tubular piston rod **28** whose outer end terminates just short of, but in the path of movement of, the operating member **32**; said piston further being fitted with a pair of opposed by-pass valve members adapted to move axially into and out of engagement with corresponding annular seatings, these valve members being normally closed so as to prevent liquid flowing from one compartment to the other, and thus prevent movement of the piston in response to force applied through the member to be operated, said operating member being arranged, when moved, to open one or the other of the by-pass valves so as to allow liquid to pass from one compartment of the cylinder to the other, characterised by the fact that each of the by-pass valve members is substantially cylindrical in shape, with one end normally in engagement with an annular seating on the piston, while the other end slides within a bore in said piston, the arrangement being such that the diameter of the said bore is substantially equal to the outside diameter of that area of the valve member engaging the annular seating, and the outside of the valve member between the seating and the said bore is subject to the pressure of the liquid which is by-passed by said valve, so that the valve member, when closed, is in a balanced state as far as the said pressure liquid is concerned.

2,365,248
VENETIAN BLIND
August F. Christiani, Red Lodge, Mont.
Application August 4, 1941, Serial No. 405,399
2 Claims. (Cl. 20—62)

1. The combination in a Venetian blind structure, of a frame assembly comprising top, bottom, and side bars joined together at their ends to lie against and be attached to a window sash, the side bars each having horizontally aligned, uniformly spaced circular openings of substantially the same diameters, a plurality of slats each having flat end trunnions fitting in aligned pairs of the openings in the side bars and of a width giving frictional resistance against casual pivotal movement in said openings thereby to pivotally support said slats in the frame and hold the same in predetermined positions in said frame unless

positively moved, and means comprising a ladder tape for moving all of said slats in unison, said



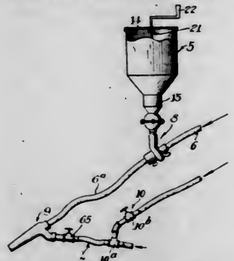
tape formed to permit removal of any one or all of said slats from the frame.

2,365,249
ELECTRICAL CONTACT ELEMENT
Gregory Jamieson Comstock, Summit, N. J., assignor of two-thirds to Baker & Company, Inc., Newark, N. J., a corporation of New Jersey, and one-third to The American Platinum Works, Newark, N. J., a corporation of New Jersey
Application July 21, 1942, Serial No. 451,763
5 Claims. (Cl. 200—166)



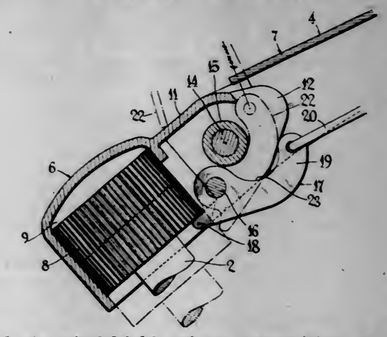
1. An electrical contact for making and breaking electric current, comprising a compressed sintered powder mixture of silver and carbonyl iron.

2,365,250
CLEANING APPARATUS
Thomas C. Crowley, Altadena, Calif., assignor to Turco Products, Inc., Los Angeles, Calif., a corporation of California
Application June 18, 1943, Serial No. 491,317
2 Claims. (Cl. 51—8)



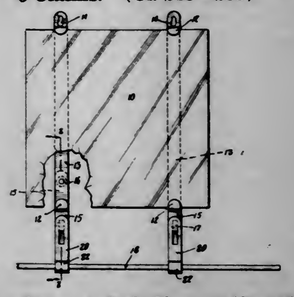
1. Cleaning apparatus comprising, in combination, a hopper adapted to contain a pulverulent abrasive, a line for supplying steam under pressure, a nozzle having concentric substantially coplanar discharge orifices, a fluid line capable of delivering fluid under pressure and having its outlet communicating with the innermost of the discharge orifices, and a passageway leading from the hopper to the fluid line whereby abrasive is received from the hopper by gravity flow and deposited in the fluid line, a check valve in said passageway seating towards the hopper, said line for supplying steam under pressure having its outlet end communicating with the outermost of the discharge orifices.

2,365,251
WINDSHIELD CLEANER
Robert D. Curtiss, Buffalo, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application September 17, 1942, Serial No. 458,630
8 Claims. (Cl. 15—255)



1. A windshield wiper comprising a drive shaft engaging portion having a short channeled section extending therefrom, a wiper carrying portion having a relatively longer channeled section pivotally mounted on said first portion for movement in a plane perpendicular to an associated windshield, a latch having a shaft engaging part and an actuating arm pivotally mounted on the short channeled section of the shaft engaging portion, a coil spring connected at one end to the outer end of said actuating arm and anchored at its other end to said wiper carrying portion, the actuating arm extending toward the anchored end of the spring with the line of spring force acting radially of the latch pivot and moving thereabout along with the actuating arm during movement of the wiper carrying section away from the associated windshield to disengage the latch part.

2,365,252
SHELF SUPPORTING STRUCTURE
Charles Daum, New York, N. Y.
Application May 24, 1944, Serial No. 537,173
6 Claims. (Cl. 248—235)



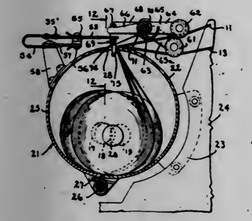
1. In a mirror and shelf mounting structure, in combination with a plurality of bars rigidly connected to the mirror and having each a slot therein, a plurality of removable brackets adapted to carry a shelf, each of said brackets having an arm arranged in juxtaposed relation to one of said downwardly extending bars, and a lug projecting laterally of said arm, said lug having a portion extending through the slot in the bar in abutting engagement with the lower edge of the slot, and a portion extending parallel to said arm of the bracket in surface engagement with

the bar, to lock the bracket to the bar, said portions of the lug being maintained in the aforementioned respective positions by the weight of the shelf carried by the bracket.

2,365,253
METHOD OF TESTING MATERIALS
Taber de Forest, Chicago, Ill., and Alfred V. de Forest, Marlboro, N. H., assignors to Magnaflux Corporation, Chicago, Ill., a corporation of Delaware
No Drawing. Application December 31, 1941, Serial No. 425,238
11 Claims. (Cl. 175—183)

1. The method of detecting defects in a metallic object which includes subjecting the object to the action of a magnetic field, applying to the object paramagnetic particles having attached thereto a coloring matter soluble in a liquid medium, and then applying to said object sufficient amounts of said liquid medium to effect bleeding of said coloring matter, whereby the location of adherent paramagnetic particles on said object is revealed.

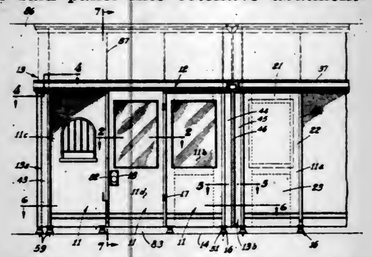
2,365,254
RIBBON CONTROL
Cyril L. Dolan, Minneapolis, Minn., assignor to The Egry Register Company, Dayton, Ohio, a corporation of Ohio
Application April 1, 1942, Serial No. 437,300
5 Claims. (Cl. 197—151)



1. In a printing machine, a ribbon feeding mechanism therefor comprising floating spool means, a ribbon carried on and attached to said spool means, a control means operated by said ribbon mounted adjacent to said spool means for preventing the further operation of said machine in response to the breakage or exhaustion of said ribbon, said control means comprising a first means operated by ribbon tension and a second means operated by displacement of said floating spool means by lift of said ribbon, a common pivot for said first and second named means, and a common actuator member for said control means operated by said first and second named means.

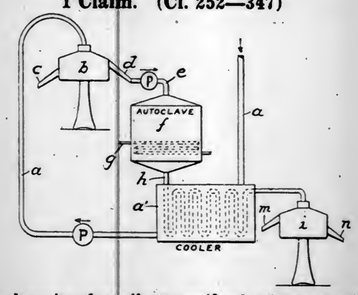
2,365,255
PARTITION CONSTRUCTION
Wesley W. Eager, Pasadena, Calif.
Application October 14, 1941, Serial No. 414,912
3 Claims. (Cl. 20—4)

1. In a knockdown partition construction, a pair of spaced posts, releasable means for fastening the lower ends thereof to the floor, a horizontal stretcher secured to said posts adjacent the upper ends thereof, the under side of said stretcher having a groove extending longitudinally thereof, a panel disposed below said stretcher with its upper end seated within said groove, and a jack interposed between the lower edge of said panel and the floor and operable to raise said panel into retentive abutment with



said stretcher, said panel pressing against and at least partially supporting said stretcher.

2,365,256
SEPARATION OF EMULSIONS AND COLLOIDAL SOLUTIONS
Johan Edvard Einar Edvarsson, Stockholm, Sweden, assignor to Aktiebolaget Separator, Stockholm, Sweden, a corporation of Sweden
Application January 6, 1944, Serial No. 517,228
In Sweden October 30, 1942
1 Claim. (Cl. 252—347)

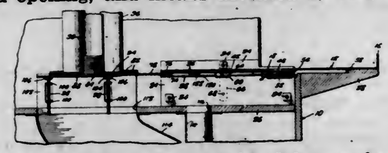


The herein described method of separating a mixture of two constituents of different specific gravities that are readily separable each from the other, one of the constituents, such as an emulsion or a colloidal suspension, being composed of components that, although of different specific gravities, are relatively inseparable from each other; said process comprising subjecting the said mixture to centrifugal force and thereby separating the two constituents of different specific gravities, heating that one of the separated constituents comprising the relatively inseparable components to a temperature higher than 130° C. under superatmospheric pressure until the relatively inseparable components are rendered separable, cooling the thus heated constituent while discharging it from the locus of heating toward a locus of reduced pressure under such limited velocity flow as to prevent reversion of said constituent to a condition in which its components are relatively inseparable, and subjecting the cooled constituent to centrifugal force and thereby effecting separation of the components of said constituent.

2,365,257
CHANGE MAKER
Charles G. Emerson and Lee R. Cook, Rowlesburg, W. Va.
Application January 29, 1943, Serial No. 473,990
4 Claims. (Cl. 194—58)

1. In a change making mechanism, a slide member having an opening and connected with

a pusher plate, a latch means acting on said slide member to normally restrain the latter from movement, a coin slide movable relatively to said slide member for depositing a coin in said opening, and means actuated by said coin



slide and coacting with said slide member to shift a coin into engagement with said latch means to move the latter to a releasing position for freeing the slide member for actuation by said coin slide.

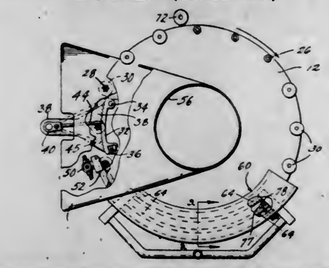
2,365,258
PROCESS FOR THE STABILIZATION OF CELLULOSE ESTERS
Bruce S. Farquhar and Ferdinand Schulze, Waynesboro, Va., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 7, 1940, Serial No. 322,762
3 Claims. (Cl. 260—230)

1. The process of treating cellulose acetate to remove combined acid sulfate radicals therefrom which comprises washing acetic acid from precipitated cellulose acetate solely with water having a mineral residue content not to exceed 10 parts per million and an alkaline earth metal content not to exceed 0.2 part per million until the effluent wash water contains no more than 0.1% free acetic acid, subjecting the washed cellulose acetate containing from 5 to 10 times its weight of water to steam under pressure for a sufficient period of time in hours equal to at least

$$\frac{1800}{P^2}$$

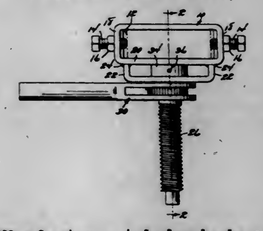
where P=the steam pressure in pounds per square inch, to substantially hydrolyze all the sulfate radicals therefrom, and, during said steam stabilization treatment, draining condensed steam from said cellulose acetate and then again washing said cellulose acetate with mineral-free water.

2,365,259
COATING APPARATUS
William H. Fischer, Des Plaines, Ill., assignor to Process Engineering Corporation, Chicago, Ill., a corporation of Illinois
Application October 19, 1942, Serial No. 462,553
1 Claim. (Cl. 91—18)



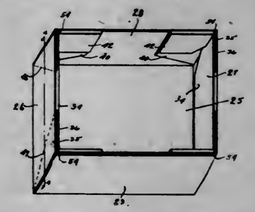
Apparatus for applying coatings consisting of a rotating work table, a plurality of work holders on the periphery thereof, a heater mounted adjacent the work table, so arranged that articles carried by said work holders will be heated as said table is rotated, an electric motor driving said table, a gas supply line to said heater, an electrically controlled valve in said supply line, and a switch arranged to energize or deenergize said motor and said valve simultaneously, said valve shutting off the flow of gas when deenergized.

2,365,260
DRILL ADAPTER
Leon J. Fortin, Bath, Maine
Application February 2, 1943, Serial No. 474,461
1 Claim. (Cl. 77—54)



In a drill adapter, a tubular body adapted for slidable fitting on a drill arm, said body being of elongated rectangular cross section and tapered axially, means on said body for releasably fastening the same on the drill arm, a U-shaped member fixed to the bottom wall of the body and depending therefrom to provide a wall spaced from and parallel with the bottom body wall, said last mentioned wall having an opening therethrough, a feed screw depending perpendicularly from said member having a shaft portion rotatably extended through said opening, and a collar fixed on said shaft portion of the screw between the spaced walls.

2,365,261
CARTON
William P. Frankenstein, Cincinnati, Ohio
Application November 17, 1939, Serial No. 305,004
3 Claims. (Cl. 229—34)



1. A box or carton comprising a bottom, upstanding walls from the sides of the bottom, two of said opposed walls having at opposite ends thereof connecting flaps for respective permanent attachment to the adjacent walls on the inner or opposed surfaces thereof, said connecting flaps having their lower edges spaced above the bottom, whereby the space between the opposed surfaces of the attached connecting flaps is less than the space between the opposed surfaces of the walls to which they are attached, said first mentioned opposed walls each having diagonal creases converging upwardly from the bottom and entirely traversing said walls, whereby the walls may be folded onto themselves and onto the bottom, a nonfoldable member carried by the upper edge of each of the foldable opposed walls

and of a length substantially equal to the distance between the inner surfaces of said second mentioned pair of opposed walls, each of said nonfoldable members being secured in face contact to the inner surface of its respective foldable wall between the diagonal creases only thereof when the walls are in folded position, whereby upon erection of the walls the nonfolded member is forced within the space between the attaching flaps for holding the walls against sagging when erected, and locking flaps secured to the exposed surface of the attaching flaps and having a free edge adjacent said opposed walls behind which the nonfolded member is inserted and held against displacement except by force.

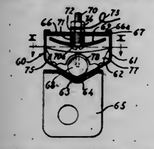
2,365,262

TIP-SWITCH

Albert W. Gair, Detroit, Mich., assignor to Thompson Products, Incorporated, Cleveland, Ohio, a corporation of Ohio

Application June 4, 1943, Serial No. 489,595

4 Claims. (Cl. 200—52)



1. A tip-switch comprising a cylindrical metal cup having a tapered bottom, a metal ball riding on said bottom, a shield in said cup overlying said ball in spaced relation whenever the cup is in vertical position, a conductor suspended in said cup in insulated relation therefrom above said shield, and said ball adapted to ride on said cup from under said shield into contact with said conductor for electrically connecting the conductor and cup whenever the cup is tilted beyond a predetermined angle.

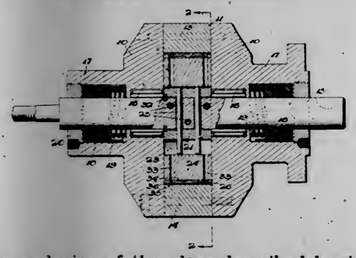
2,365,263

ROTARY HYDRAULIC PRESSURE DEVICE

Henry Z. Gora, Bridgeport, Conn., assignor to Jenkins Bros., New York, N. Y., a corporation of New Jersey

Application November 13, 1941, Serial No. 418,973

10 Claims. (Cl. 103—138)



1. In a device of the class described having a casing with a substantially cylindrical chamber therein, a rotor mounted eccentrically within said chamber and provided with pockets, and vanes radially movable in said pockets and rotatable therewith, the radial edges of the vanes and the ends of the rotor slidably engaging the end surfaces of said chamber, said vanes having recesses in the ends thereof, shoes seated in said recesses and having sealing engagement with the peripheral surface of said chamber, and passages in said vanes connecting said recesses with said pockets beneath the vanes, said shoes being smaller than said recesses and each displaceable circumferentially against either side of its recess whereby said passages communicate with said chamber through the other open sides of said recesses.

2,365,264

PRODUCTION OF OXYGEN-CONTAINING ORGANIC COMPOUNDS

Walter Henry Groombridge and Ronald Page, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application July 5, 1941, Serial No. 401,290. In Great Britain July 25, 1940

7 Claims. (Cl. 260—614)

1. Process for the production of oxygen-containing organic compounds from olefines, which comprises absorbing ethylene substantially free from higher olefines in sulphuric acid of at least 90% concentration until about 0.8 molecule of ethylene per molecule of sulphuric acid have been absorbed, diluting the absorption product with 7 to 10% of its weight of water and thereafter absorbing propylene therein, said absorptions being carried out at pressures not exceeding 5 atmospheres.

2,365,265

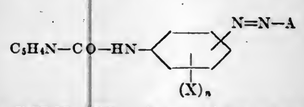
INSOLUBLE AZO DYES

Peter F. Gross, Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 30, 1941, Serial No. 409,002

9 Claims. (Cl. 260—156)

1. An insoluble azo dye represented by the formula



in which $C_5H_4N—CO—$ is a residue of a pyridine carboxylic acid; X is from a group consisting of hydrogen, alkyl having 1 to 3 carbons, the corresponding alkoxy groups, phenyl, phenoxy and halogen; n is 1 to 2; and A represents the residue of an ice color coupling component.

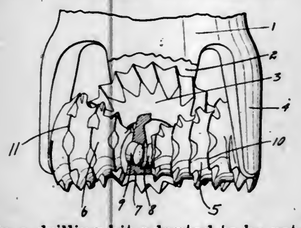
2,365,266

ROCK BIT

Rex G. Hamaker, Houston, Tex., assignor to Reed Roller Bit Company, Houston, Tex., a corporation of Texas

Application January 25, 1941, Serial No. 375,888

2 Claims. (Cl. 255—71)



1. In a drilling bit adapted to be rotated in one direction in drilling, a frusto-conical cutter having spirally arranged teeth thereon, the inner end of said cutter being offset from a radial vertical plane extending from the vertical axis of the drilling bit to the center of the outer end of the cutter, the direction of such offset being such that the inner end of the cutter follows or trails behind a radial line from the vertical axis of the bit through the center of the outer end of said cutter when the bit is rotated in said one direction, whereby the cutter teeth are caused to progress outwardly as they leave the formation in the bottom of the bore hole and thereby move formation chips outwardly away from the center of the bore hole.

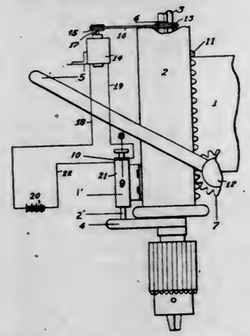
2,365,267

ELECTRIC AUTOMATIC STARTER

Waldo Heinemann, Philadelphia, Pa.

Application May 5, 1941, Serial No. 391,860

1 Claim. (Cl. 77—6)



An automatically operable switch mechanism for an electric motor driven drill press comprising an elongated cylindrical member adapted to be supported in fixed vertical position on the press, a vertical rod slidably extended through the cylindrical member, the said rod having its lower end projecting below the cylindrical member for engagement with a member carried by the drill press spindle for moving the rod with the movement of the spindle, an enlarged head formed on the upwardly projecting end of the rod, a ring of insulating material mounted on the upper end of the cylindrical member, and a disc of electric conductive material supported on the insulating ring, the said disc and the cylindrical member being connected to terminals of an electric circuit through the motor so that when the spindle is lowered the head on the upper end of the rod will drop into contact with the disc to close the motor circuit and effect rotary operation of the spindle.

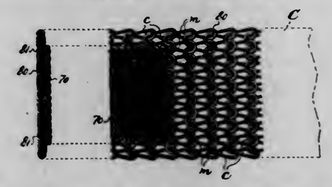
2,365,268

PROTECTIVE COVERING OR JACKETING MEANS

Edward J. Herter, Jr., Ridgewood, N. J., assignor to Metal Textile Corporation, West Orange, N. J., a corporation of Delaware

Application June 22, 1943, Serial No. 491,781

11 Claims. (Cl. 66—170)



1. A protecting covering for the purposes described, comprising a jacketing body having a wall structure composed of an inner mesh layer knitted from soft yarn, said inner mesh layer being closely knit to provide a comparatively tight and close loop structure, and a contiguous outer mesh layer knitted from rigidulous material, said outer mesh layer being relatively loosely knit to provide a comparatively open loop structure.

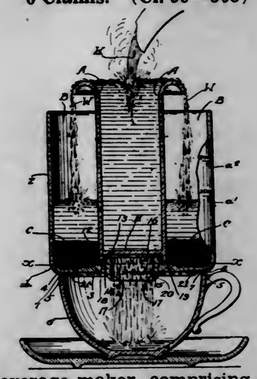
2,365,269

COFFEE MAKER

Walter L. Hill, Scranton, Pa.; Walter L. Hill, Jr., administrator of said Walter L. Hill, deceased

Application May 17, 1944, Serial No. 535,977

6 Claims. (Cl. 99—305)



1. A beverage maker, comprising an outer receptacle including an integral bottom provided with a central beverage discharge orifice, an inner receptacle including a closed bottom and loosely mounted in and on the bottom of said outer receptacle over said orifice, a chamber for receiving a porous bed of solid ingredient surrounding said inner receptacle, a chamber formed in said inner receptacle for receiving a liquid ingredient to overflow into said surrounding chamber and seep through said bed, and beverage passages formed jointly by and between adjacent surfaces of said receptacles for conducting liquid ingredient seepage from said surrounding chamber to said orifice, said passages having entrances of such diminutive cross sectional area as to exclude particles of said solid ingredient therefrom.

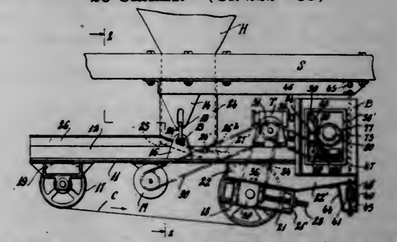
2,365,270

APPARATUS FOR FEEDING MATERIAL AT A CONSTANT RATE

Robert F. Hohman, Passaic, N. J., assignor to Merrick Scale Mfg. Company, Passaic, N. J., a corporation of New Jersey

Application May 12, 1942, Serial No. 442,720

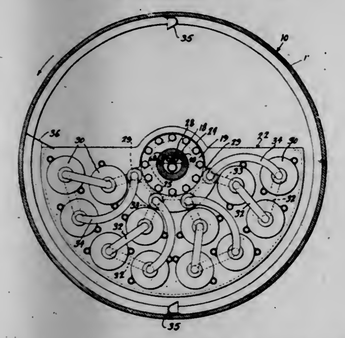
26 Claims. (Cl. 222—55)



1. In material feeding means, weighing mechanism including a traveling material receiver

and adjustable counterpoise to counterbalance material of predetermined weight on the material receiver, means to supply material to said material receiver, regulatable actuating means for said receiver, settable means to regulate the operation of said actuating means and actuate the material receiver to travel at a speed to feed material at the rate of said predetermined weight from the material supply means, and means rendered active by the weighing mechanism by a variation in said predetermined weight of the material fed by the receiver to regulate the actuating means to vary the operation of the receiver actuating means and speed of travel of the receiver inversely to the variation in said weight of the material and average the feeding of material by the receiver at an average of the rate of said predetermined weight.

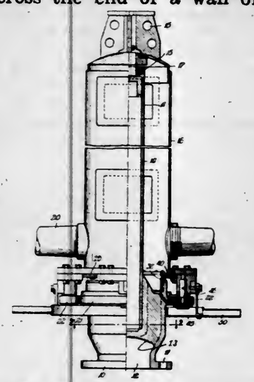
2,365,271
DRIER DRUM
Lloyd Hornbostel, Beloit, Wis., assignor to Beloit Iron Works, Beloit, Wis., a corporation of Wisconsin
Application March 22, 1943, Serial No. 480,054
11 Claims. (Cl. 257—95)



1. A drier drum comprising a metal cylinder, heads sealing the ends of said cylinder, hollow journals projecting outwardly from said heads, means rotatably supporting said hollow journals for rotatably mounting the cylinder, stationary supports extending freely through said journals, means outside the journals carrying said supports, an open container in said cylinder between said heads carried by said supports in spaced relation from said cylinder and heads, a heat exchanger in said container, and means extending through the journals for flowing heating fluid through said heat exchanger.

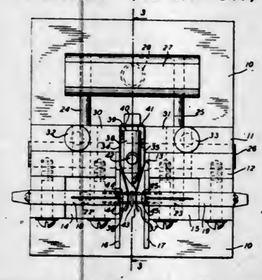
2,365,272
FILTER DISTRIBUTOR SEAL
Walter J. Hughes, Chicago, Ill., assignor to Infilco Incorporated, Chicago, Ill., a corporation of Delaware
Application September 17, 1943, Serial No. 502,844
19 Claims. (Cl. 299—69)

1. In a liquid distributor comprising a base member, a liquid inlet conduit extending through said base member, a rotatable chamber carried by said base member, and distributor arms communicating with said rotatable chamber and adapted to discharge liquid therefrom, a sealing member comprising a cylindrical ring within the outlet portion of said inlet conduit and so constructed and arranged as to fit snugly within said portion but to rotate easily therein, said ring having a flanged portion extending outwardly across the end of a wall of said inlet



conduit, and a diaphragm connecting said sealing ring and said rotatable member.

2,365,273
COMBINED TESTING AND WORKING FIXTURE
Sven G. Johansson, Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application September 25, 1943, Serial No. 503,824
4 Claims. (Cl. 171—327)

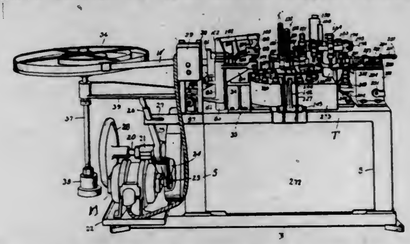


1. A testing and adjusting fixture for quartz crystals and comprising movable contact means actuable to make contact with the terminal wires of a crystal, movable jaw means actuable to be pressed against opposite faces of the quartz slice of the crystal to grip and hold the crystal firmly, and common means to actuate the two said means alternatively.

2,365,274
SPOOL MAKING APPARATUS
John A. Johnson, Woodhaven, N. Y.
Application June 13, 1940, Serial No. 340,248
17 Claims. (Cl. 113—1)

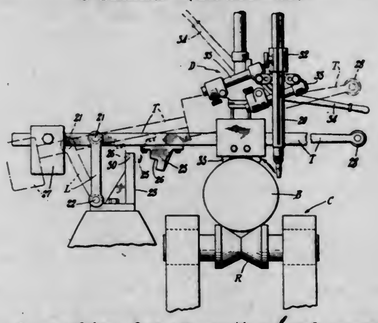
1. In spool making apparatus, a vertical support, an intermittently operative carrier for and adapted to move the support in a circular path and position the support at successive stations, means to engage an annular flange on the support at the initial station thereof, a fixed vertical mandrel disposed in a plane above the movement of the support and with which the support is adapted to be alined at a successive station, means to sever a blank from a web and clamp the blank to and bend the blank around the mandrel to form a contractile and expansible tubular spool core, and said core adapted by the release

of the bending means therefrom to move from the mandrel onto the support above the flange engaged thereon, means to engage a second annular flange on the support above the core at a successive station of the support, means relative to which the support with the flanges and core engaged thereon is stationed operative to constrict the core on the support and engage the flanges on the opposite ends of the constricted core, and said core by the release of the constricting means therefrom adapted to expand and frictionally retain the flanges on the core, a second vertical support, an intermittently operative carrier for said second support adapted



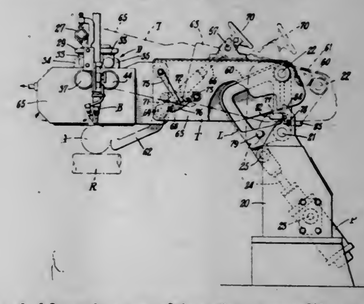
to move the second support in a circular path in a plane above the plane of movement of the first support, and said first support when moved to a successive station positioned in alinement with said second support, means operative in said position of the supports to transfer the core with the flanges engaged thereon from the first support to the second support, means to retain the core with the flanges on the second support as it is moved to a successive station, and means operative at said station of the second support to crimp the opposite end portions of the core to the material about the opening in and secure the flanges to the core.

2,365,275
BLOWPIPE MACHINE
Homer W. Jones, Westfield, N. J., assignor to The Linde Air Products Company, a corporation of Ohio
Application November 7, 1941, Serial No. 418,234
8 Claims. (Cl. 266—23)



1. A machine for supporting and propelling a blowpipe across a metal body in order to perform an oxygen cutting operation upon the latter, which comprises the combination of a base adapted to be mounted adjacent one side of said body; an elongated boom extending transversely of said body; connective means connecting said base and one end portion of said boom, so that a free end portion thereof can be moved longitudinally forwardly and rearwardly and swung upwardly and downwardly in an arcuate path; a blowpipe; a device for supporting and propelling said blowpipe carried by said boom adjacent said free end portion; and boom support means associated with said free end portion for engaging said body and for supporting said free end portion, and said device carried thereby in a relatively fixed position during the operation of said device, the said support means and said device being together adapted to maintain the blowpipe and the metal body in a predetermined spaced relation during the cutting of said body; all of said parts being so arranged that the free end portion of said boom and said device can be moved forwardly and downwardly into operative position adjacent said body or rearwardly and upwardly into inoperative position substantially spaced away from said body.

2,365,276
BLOWPIPE MACHINE
Alfred J. Miller, Garwood, N. J., assignor to The Linde Air Products Company, a corporation of Ohio
Application November 7, 1941, Serial No. 418,235
27 Claims. (Cl. 266—23)

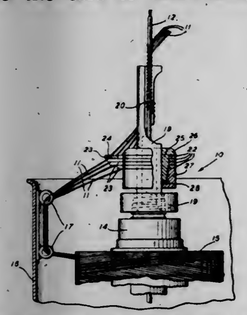


1. A blowpipe machine for propelling a blowpipe across a metal body when supported in a position for treatment and comprising in combination, a support adjacent such a body; a link pivotally connected to said support and swingable toward and away from said body; a boom pivotally connected adjacent its rearward end portion to said link and extending toward said body, said link and said boom being so constructed and arranged that there is limited relative movement between said boom and said link about the pivot connection therebetween and said boom having a forward end portion adapted to support a blowpipe adjacent said body; means for swinging said link about its pivotal connection to said support whereby said forward end portion of said boom is moved in a path toward and away from the body, said path having a substantially straight portion and an arcuate portion, said straight path portion being adjacent said body and said arcuate path portion being remote from said body; and means on said boom for propelling a blowpipe across said body when said forward end portion is in an operative position adjacent said body.

2,365,277
MATERIAL HANDLING APPARATUS
Herbert S. Keating, North Plainfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application May 6, 1943, Serial No. 485,875
8 Claims. (Cl. 57—17)

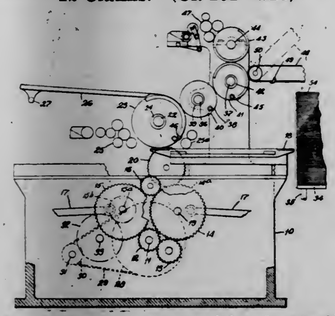
1. A material handling apparatus comprising a serving element rotatable about an advancing

core to serve strands to the core, a supply of strands to be served, guides disposed radially with respect to the core to individually guide the



strands to spaced positions on the core, and means to support the guides and clamp them in desired variable positions relative to each other to vary the spacing of the strands on the core.

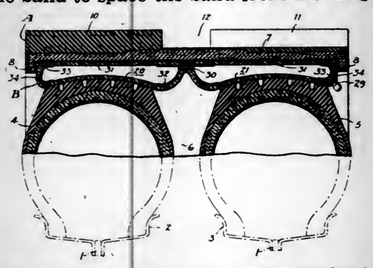
2,365,278
PRINTING PRESS
William M. Kelly, Westfield, N. J.
Application August 15, 1941, Serial No. 406,941
12 Claims. (Cl. 101—214)



1. A printing press comprising in combination, a reciprocating bed, a two revolution impression cylinder movable toward and from the bed, the press having a feed at one end and a delivery at the other end thereof, a rotary plate cylinder arranged at the delivery end of the press entirely above said impression cylinder, a second impression cylinder arranged beneath the plate cylinder and coacting therewith, all of said cylinders having relatively fixed axes, means establishing a positive drive between said cylinders, and means conveying a sheet from the first named impression cylinder to the plate cylinder and second mentioned impression cylinder without turning said sheet over.

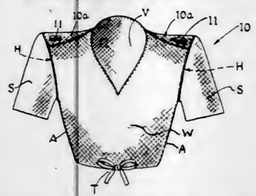
2,365,279
PNEUMATIC TRACK
Herman T. Kraft, Akron, Ohio, assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application January 22, 1943, Serial No. 473,218
18 Claims. (Cl. 152—175)

7. The combination with a vehicle wheel having two tires mounted side by side, with a space between the treads thereof, of a relatively wide endless band of resilient flexible material surrounding the tires and sufficiently wide simultaneously to overlie the major portions of the road engaging treads of both tires, and a separate inflatable annulus disposed against the inner side of the band to space the band from the tires and



to hold the band on the tires, said annulus being sufficiently wide simultaneously to contact the road engaging treads of both tires, and having a portion adapted to be forced by inflation pressure into the space between the tire treads.

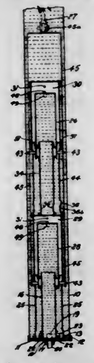
2,365,280
GARMENT SHOULDER FOUNDATION CONSTRUCTION
David Eli Lahm, New York, N. Y.
Application March 25, 1944, Serial No. 528,019
2 Claims. (Cl. 2—268)



1. A garment having spaced arm-holes and formed with pockets at the shoulder regions thereof, a flexible expandible padding unit removably retained to fill each pocket in a normal spread-out shape, said pockets each having an opening extending along an edge of said shoulder region over the arm-hole through which said unit is inserted into and removed from the pocket, barrier means on opposite ends of said opening restricting the length of the opening to less than the cross sectional dimension of the padding unit so that the unit can be inserted and removed from the pocket only when flexed out of said normal spread-out shape, the rim portion of said opening between said barrier means being left substantially free to permit expansion of said padding unit at the shoulder region.

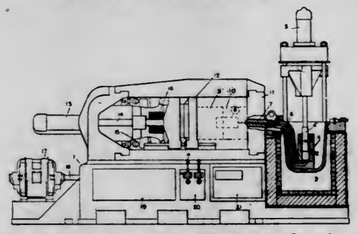
2,365,281
PUMP FOR PUMPING WATER, OIL, OR OTHER LIQUIDS FROM WELLS AND THE LIKE
Leopold Julius Le Fevre, Point Piper, New South Wales, Australia
Application February 9, 1944, Serial No. 521,600
In Australia March 2, 1943
9 Claims. (Cl. 103—206)

1. A pump for pumping water, oil or other liquids from wells and the like and comprising a pump cylinder concentrically within its associated delivery pipe and having its lower end fixed to and closed by a plate which forms a closure at the bottom of such delivery pipe, a sleeve piston coacting with the pump cylinder, an auxiliary cylinder in said delivery pipe above said pump cylinder, said auxiliary cylinder being closed at its lower end, and a coacting sleeve piston in said auxiliary cylinder, cylindrical housings enclosing the auxiliary and pump cylinders, means for con-



necting the sleeve pistons to one another and to a vertical driving rod, and means whereby the pressure of the head of water in the delivery pipe is constantly exerted upon the interior of the auxiliary sleeve piston.

2,365,282
PRESSURE CASTING MACHINE INJECTION PRESSURE CONTROL
Nathan Lester, Shaker Heights, and William H. Schwartz, Cleveland, Ohio, assignors to Lester Engineering Company, Cleveland, Ohio, a corporation of Ohio
Application June 15, 1940, Serial No. 340,834
4 Claims. (Cl. 60—52)

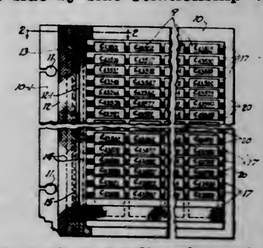


1. Injection pressure control mechanism for a pressure casting machine comprising an injection cylinder, a plurality of fluid pressure supply pumps, each having different volume and pressure delivery capacities, conduit means, jointly connecting all of said pumps to said cylinder, pressure responsive means connected to said conduit means and actuated by a pressure variation therein for disconnecting one of said pumps from said conduit means, flow control valve means connected to said conduit means for regulating the rate of fluid flow therein, and means for rendering said flow control valve means inoperative during disconnection of said one of said pumps.

2,365,283
PERPETUAL INVENTORY DEVICE
Harold A. Livingston, Hollywood, Calif.
Application February 18, 1943, Serial No. 476,250
4 Claims. (Cl. 129—20)

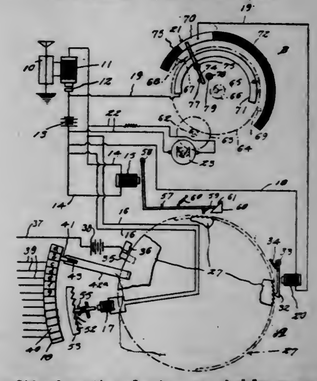
1. An inventory record device, comprising a holder of sheet formation; and a plurality of substantially identically configurated record items

disposed in side-by-side relationship within said holder, forming a visual pattern indicative of the condition of an inventory, said holder comprising a substantially rigid holder sheet, a plurality of stiffly resilient pocket-forming strips arranged in substantially parallel, overlapping relationship, each strip extending transversely of the width of said holder sheet and being secured along its lower margin to said holder sheet, but being otherwise free and unsecured with its upper marginal edge free and unretained, so the said strip may be flexed outwardly from said holder sheet, wire staples securing the lower margins of said pocket-forming strips to said holder sheet, said record items being disposed within said receiving pockets in side-by-side relationship with upper



portions thereof protruding beyond the upper marginal edges of the respective pocket-forming strips and outwardly of the said pockets, and friction strips covering the secured lower margins of said pocket-forming strips for sheathing the said wire staples and aiding in the retention of said record items by said receiving pockets.

2,365,284
REMOTE CONTROL MECHANISM
Robert T. McClelland, Mobile, Ala.
Application November 19, 1942, Serial No. 466,192
1 Claim. (Cl. 177—353)



A multi-circuit selector variably responsive to variable number impulse series comprising a movable element having a normal position, means responsive to impulses of a series for advancing said element from normal position a step for each impulse, an off-normal contact means opened when the element is advanced from said normal position, means to urge said element to normal position, a movable circuit closing arm and individual circuit selecting contacts cooperating therewith in its different positions, means to move said arm over its contacts in one direction only by the advance movement of said element, means for urging movement of the arm in the

other direction independently of the element, means for holding the element in its advanced positions, means for independently holding said circuit closing arm in its advanced position, time delay means responsive to the impulses and responsive to the termination of an impulse series for returning the element to normal position and thereby reclose the off-normal contact means, a circuit connection including the off-normal circuit closing means in series with the movable circuit closing arm, and means responsive to the impulses of a series for releasing the means for holding the circuit closing arm in its advanced positions, the driving connection between the movable element and the circuit closing arm being such that the release of the holding means for the circuit closing arm is effective to cause restoration of the arm at the initial portion of the movement of the rotatable element.

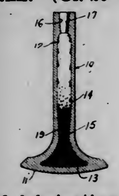
2,365,285

METHOD OF MAKING EVACUATED VALVES

Rex De Ore McDill, Cleveland, Ohio, assignor to Thompson Products Incorporated, Cleveland, Ohio, a corporation of Ohio

Original application July 13, 1942, Serial No. 450,685. Divided and this application April 19, 1943, Serial No. 483,617

1 Claim. (Cl. 29—156.7)



The method of fabricating a sodium containing poppet valve which comprises forming a poppet valve with a hollow internal space open at one end only, positioning said valve with the open end uppermost, flowing oxygen into the space through said open uppermost end to displace air from the space and fill the space with oxygen at atmospheric pressure, partially filling said space with sodium through said open end, continuing the flowing of oxygen into the space during the sodium filling operation to maintain the space free from air, closing said open end to seal the hollow internal space of the valve, and heating the sealed valve to react all the residual oxygen with some of the sodium to produce an evacuated sodium cooled valve.

2,365,286

FLEXIBLE TUBING

John Moseley, Ruislip, and William Percival Vincent Gebbie, Perivale, England, assignors to Compoflex Company Limited, Teddington, Middlesex, England, a British company

Application August 4, 1942, Serial No. 453,511

In Great Britain August 14, 1941

6 Claims. (Cl. 138—57)



1. In a flexible tube, a flexible body portion, a wire helix tightly coiled about the tube body portion and having its coils uniformly spaced along the body portion, means for holding said coils in their uniformly spaced relation comprising flexible elements disposed at spaced intervals along the tube intermediate the tube and the wire helix, and means for securing the coils of said helix to said flexible elements.

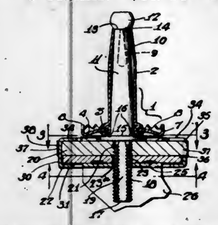
2,365,287

ADJUSTABLE CASTER

Charles R. Nalle, Philadelphia, Pa.

Application January 11, 1944, Serial No. 517,830

6 Claims. (Cl. 16—19)



6. An adjustable caster comprising a stem including a swivel bearing shoulder intermediate the opposite ends thereof, screw threads formed on said stem below said shoulder, a disc having a threaded bore and rotatably mounted on the threaded end of the spindle, a bearing disc underlying the threaded disc and splined to said spindle against relative rotation with respect thereto, a floor engaging element carried by said bearing disc, a ring surrounding the peripheral edge of said bearing disc, tongues on said ring extending axially into recesses formed in the peripheral edge of said threaded disc, inturned ends on said tongues overlying the upper surface of said threaded disc, an inturned flange on said ring underlying said bearing disc to prevent relative axial displacement of said discs while affording relative rotation therebetween, and lugs on said threaded disc projecting radially beyond said ring and affording a gripping surface for facilitating rotation of said threaded disc and said ring as a unit.

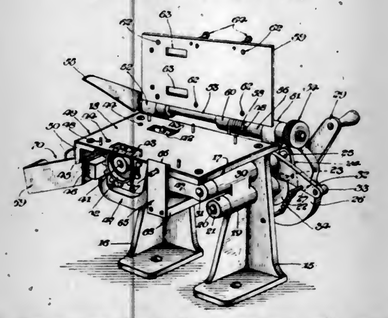
2,365,288

APPARATUS FOR CUTTING STRIPS

Stanley J. Pask, Long Island City, N. Y., assignor to Grant Positype Corporation, New York, N. Y., a corporation of New York

Application February 16, 1944, Serial No. 522,644

4 Claims. (Cl. 164—42)



1. In a machine for cutting off uniform lengths of strip material, a stand having a level table, a transverse shear blade fixed at one end thereof, a hinged blade cooperative therewith, a hinged cover foldable over the table and strip thereon, means for advancing the strip therebetween at uniform intervals over the fixed blade, cam actuated means to operate the hinged blade during cessation of movement of the strip, and a tray to receive the cut portions of the strip in consecutive order.

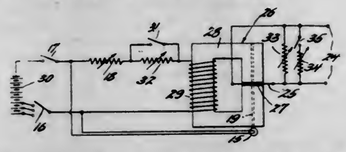
2,365,289

SEISMIC SURVEYING

Olive S. Petty, San Antonio, Tex.

Application May 15, 1940, Serial No. 335,389

5 Claims. (Cl. 177—352)



1. The method of maintaining substantial uniformity of deflection in a galvanometer having an electromagnetic field wherein the energy responsible for deflection is decreasing at a relatively uniform rate comprising, applying said energy and simultaneously energizing said field and providing said field with such self-inductance that its magnetic field builds up at a rate of the same order as the decrease of the deflecting energy.

2,365,290

NITRIC ACID OXIDATION OF FATTY MATERIALS

Donald Price, New York, N. Y., and Richard Griffith, Little Silver, N. J., assignors to National Oil Products Company, Harrison, N. J., a corporation of New Jersey

No Drawing. Application October 15, 1941, Serial No. 415,086

20 Claims. (Cl. 260—406)

1. Process for oxidizing fatty substances containing residues chosen from the group consisting of hydroxylated and unsaturated fatty residues, which comprises treating said substances with nitric acid in the presence of a compound selected from the group consisting of manganous salts, manganic salts, manganese oxides and salts of manganese-containing acid radicles.

15. Process for producing mono and dibasic acids from fatty substances containing residues chosen from the group consisting of hydroxylated and unsaturated fatty residues, which comprises treating said substances with nitric acid in the presence of a compound selected from the group consisting of manganous salts, manganic salts, manganese oxides and salts of manganese-containing acid radicles; and separating from the resultant oxidized mass the monobasic and dibasic acids formed by the oxidation of the fatty substances.

2,365,291

STABILIZING AGENTS FOR HYDROCARBON COMPOSITIONS AND THE LIKE

Carl F. Prutton, Cleveland Heights, Albert K. Smith, Shaker Heights, and Delton R. Frey, East Cleveland, Ohio, assignors to The Lubri-Zol Corporation, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application May 26, 1941, Serial No. 395,234

5 Claims. (Cl. 260—461)

1. As a new composition of matter, the phosphorus bearing product produced by the reaction of PCl_3 with an ester of lactic acid.

2,365,292

SATURATED AND UNSATURATED 17-OXY-17-ACYL-ANDROSTANONES AND DERIVATIVES THEREOF AND PROCESS OF MAKING SAME

Leopold Ruzicka, Zurich, Switzerland, assignor, by mesne assignments, to Ciba Pharmaceutical Products, Incorporated, Summit, N. J., a corporation of New Jersey

No Drawing. Application November 10, 1939, Serial No. 303,907. In Switzerland November 19, 1938

9 Claims. (Cl. 260—397.4)

1. Process for the manufacture of unsaturated 17-hydroxy-17-acyl-androstanones and their derivatives, comprising causing oxidizing agents to act on a member of the group consisting of unsaturated pregnanolones and pregnandiols, which contain in the 17-position a member of the group consisting of a free and protected hydroxyl group, and the corresponding compounds substituted in the 21-position by an unsubstituted alkyl radical, unsaturation with respect to the carbon atom 3 being in the unsaturated 3-hydroxy compounds in the β-position and in the unsaturated 3-keto compounds in the α-position.

2,365,293

WATER TREATING APPARATUS

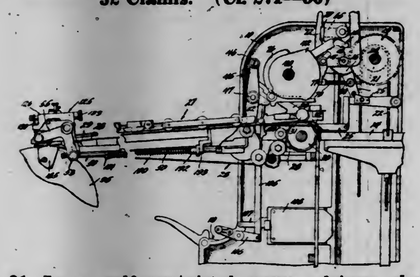
Merrill P. Robinson, Upper Montclair, N. J., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware

Application April 25, 1941, Serial No. 390,238

19 Claims. (Cl. 210—16)

1. In a water treating apparatus, a treating tank including an outlet for treated water and a chemical inlet, means for introducing raw water into the tank, water circulation guiding means through which the entering raw water passes, said means constructed and arranged to cause a recirculation of part of the water together with slurry therethrough, and means controlled by variances in the level of clarified treated water in the tank for maintaining the flow of water through the apparatus substantially constant irrespective of the quantity of treated water withdrawn from the tank, said last named means including means for returning treated water from the tank to said raw water introducing means.

2,365,294
SHEET FEEDER
David P. Sanford, Elizabeth, N. J., assignor to American Type Founders Incorporated, Elizabeth, N. J., a corporation of New Jersey
Application May 11, 1942, Serial No. 442,490
32 Claims. (Cl. 271—56)

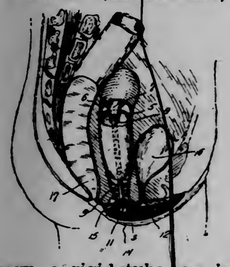


31. In a self-contained power driven sheet feeder adapted to be disposed adjacent a printing press or similar machine for feeding sheets thereto, the combination of a feed board extending toward the machine to which the sheets are to be fed, a driving member carried by said feeder, a combination drop guide and sheet detector device carried entirely by the front end of said feed board, means on said feeder operatively connecting said device with said driving member for normally and intermittently swinging the drop guide into and out of the path of the sheets moving along the feed board, and means also carried by said feed board and associated with said guide and detector element for preventing the normal operation of said drop guide when no sheet is presented to the detector element of the combined device.

2,365,295
SYNTHESIS OF AMINO ACIDS
Kurt H. Schaal, Jamaica, N. Y., and Frank D. Pickel, Newark, N. J., assignors to National Oil Products Company, Harrison, N. J., a corporation of New Jersey
No Drawing. Application July 15, 1941, Serial No. 402,558
6 Claims. (Cl. 260—534)

1. In a process of synthesizing β-alanine the step which comprises catalytically hydrogenating a lower alkyl ester of cyanoacetic acid in the presence of sulfuric and acetic acids.

2,365,296
INFLATABLE PESSARY
Marie E. Schimpf, St. Louis, Mo.
Application June 15, 1943, Serial No. 490,888
1 Claim. (Cl. 128—127)

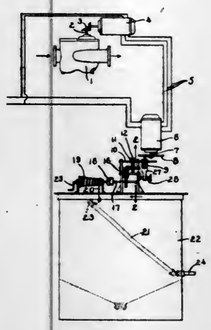


In a pessary, a rigid tube, an inflatable bag connected to said tube and having a seat to receive the neck of a uterus and inflatable to contact walls of a vagina under a selected pressure for the support of the uterus, an inflating valve in the tube, and a perforated retaining element of substantially tear-drop shape and tapering toward the edges thereof and detachably connected to the tube and adapted to be positioned within lips of the vagina.

2,365,297
TREATMENT OF PLASTIC MATERIAL
Ernest Schweizer, East Orange, N. J., assignor, by mesne assignments, to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application October 14, 1940, Serial No. 361,101
20 Claims. (Cl. 117—144)

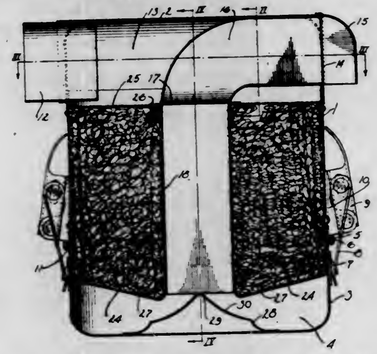
1. Method of producing material having antifogging and anti-static properties, which comprises treating a surface of non-fibrous derivative of cellulose material selected from the group consisting of cellulose esters and cellulose ethers with a solution of a surface active substance, selected from the group consisting of fatty alcohol sulfates, sulfated fatty acid esters, secondary alcohol sulfates, sulfated esters of higher alcohols and dibasic acids, alkyl aryl sulfonates and sulfonated esters of alcohols and dibasic acids, in an organic solvent having at least a softening action on said derivative of cellulose material.

2,365,298
PROPORTIONING APPARATUS
Joseph F. Sebald, Bloomfield, and Merrill P. Robinson, Upper Montclair, N. J., and Harry G. Wood, Bronxville, N. Y., assignors to Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware
Application October 2, 1941, Serial No. 413,318
5 Claims. (Cl. 210—20)



1. In a proportioning apparatus, a chemical reagent containing tank, means for dispensing reagent from the tank, a meter for measuring raw water, an electric motor, means operated by said meter for controlling operation of said motor, means for raising and lowering said reagent dispensing means, an escapement mechanism for operating said raising and lowering means, power transmitting means connecting said motor and said escapement mechanism, said power transmitting means being adjustable for varying the speed of operation of the escapement mechanism relative to the speed of operation of the motor.

2,365,299
AIR CLEANER
Joseph B. Sebok, Detroit, Mich., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application January 30, 1942, Serial No. 428,816
2 Claims. (Cl. 183—15)

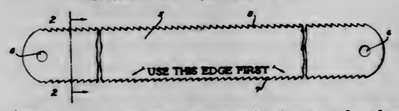


1. In an air cleaner, a generally rectangular casing having an inlet opening in an end wall and an outlet opening in the opposite end wall, said casing having a liquid sump in the lower part thereof, partition means extending from end to end of said casing below said inlet and outlet openings and spaced from the side walls to define opposed traps open to said sump at the bottoms, means closing the upper ends of said traps, a rectangular inlet conduit leading from said inlet opening and extending centrally downwardly through said partition means to a point adjacent said sump, filter means between said partition on opposite sides of said inlet conduit, and a ridged baffle secured to the bottom of said casing in said sump beneath said inlet conduit.

2,365,300
MIXED ESTERS
Ernest Segessemann, Newark, N. J., assignor to National Oil Products Company, Harrison, N. J., a corporation of New Jersey
No Drawing. Application July 6, 1940, Serial No. 344,235
4 Claims. (Cl. 260—97.5)

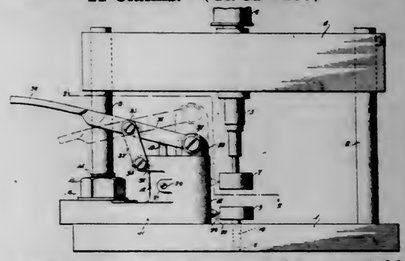
1. A mixed glycerol ester in which at least one of the acyl groups constitutes a residue of the acids in tall oil and at least one of the acyl groups constitutes a residue of the fatty acids in an oil selected from the group consisting of animal, vegetable and fish oils.

2,365,301
HACK SAW BLADE
William H. Shortell, Greenfield, Mass., assignor to Millers Falls Company, Greenfield, Mass., a corporation of Massachusetts
Continuation of application Serial No. 279,251, June 15, 1939. This application June 1, 1940, Serial No. 338,290
5 Claims. (Cl. 29—95)



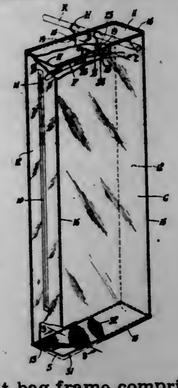
1. As a new article of manufacture, a hack saw blade provided with cutting teeth of substantially the same size and shape along both edges thereof, the teeth along one edge being set so as to have a width of approximately .090 inch and the teeth along the other edge being set to have a width of approximately .085 inch.

2,365,302
GRINDING APPARATUS AND METHOD
Thomas C. Shutt and Louis J. Steiner, Detroit, Mich.
Application May 28, 1943, Serial No. 488,900
11 Claims. (Cl. 51—100)



1. Grinding apparatus comprising: a table; a rotatable spindle; means supporting said spindle for rotation relative to said table; a grinding wheel carried by said spindle; a circular guide mounted upon said table below said grinding wheel in axial alignment with said grinding wheel; a wheel dresser mounted upon said table including a dressing tool engageable with the periphery of said circular guide; and means for elevating said dressing tool into engagement with said grinding wheel to dress the same to a diameter corresponding to that of said circular guide.

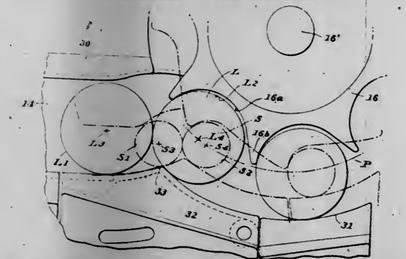
2,365,303
GARMENT BAG
Ralph R. Smith, Lakewood, Ohio, assignor to National Carbon Company, Inc., a corporation of New York
Application June 3, 1942, Serial No. 445,585
7 Claims. (Cl. 206—7)



1. A garment bag frame comprising a spreader frame having two oppositely disposed eyelets located along an axis closely adjacent the plane of said spreader frame; a hanger bar having terminals extending through said eyelets and thereby pivotally connecting said bar to said frame, said bar also having two sockets fixed in spaced apart relation on said bar respectively equidistant from said eyelets and terminals with axes substantially

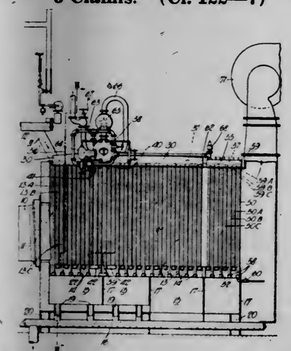
intersecting said eyelet axis, and disposed transversely to said eyelet axis, said bar also having a portion thereof shaped to provide a garment hanger rod depending from said sockets and leaving a clear space therebetween; and a pair of suspending hooks severally secured in said sockets but free to swivel relatively thereto, all parts of said hanger bar lying in substantially the same plane for pivotal movement about said eyelet axis, and the swivel axis of said hooks being disposed in said plane and transversely to said axis, the construction and arrangement being such that said hanger bar with its depending hanger rod and said hooks may be positioned to lie in substantially the same plane with said spreader frame.

2,365,304
CONVEYER APPARATUS
Robert J. Stewart, Baltimore, Md., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York
Application September 9, 1941, Serial No. 410,223
5 Claims. (Cl. 198—22)



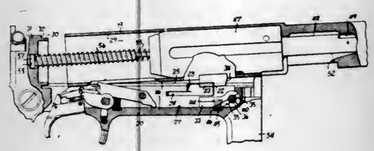
1. In combination, a conveyer on which articles may be carried at random, a second and orbitally moving conveyer to receive articles from the first conveyer and including holding means to maintain articles in spaced relation, said holding means being changeable to handle articles of different sizes without changing the spacing of the article axes, and means whereby articles will move from the first conveyer to the second conveyer in synchronism with the holding means comprising a variable speed drive to vary the linear speed of one of the conveyers with respect to the other conveyer.

2,365,305
WASTE HEAT BOILER
Carl E. Stromquist, Griffith, Ind.
Application January 24, 1941, Serial No. 375,862
3 Claims. (Cl. 122—7)



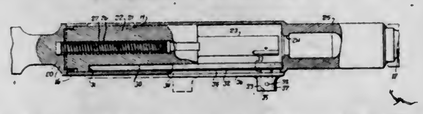
1. A boiler adapted for direct connection with a kiln or furnace, for utilizing waste heat gases and products of combustion, including upper and lower water boxes connected by downcomer tubes, lower headers communicating therewith, upright tubes communicating with the lower headers, a supporting structure, and a lubricating plate on which the water boxes and the lower headers bear, said plate having passages therein with openings extending to the surfaces on which the water boxes and headers bear, and a fitting to facilitate the introduction of a lubricant through said passages whereby the water boxes and headers are supported with freedom to permit the same to move relatively to one another under the influence of expansion and contraction due to temperature variations.

2,365,306
SELF-LOADING TAKEDOWN FIREARM
Carl G. Swebilius, Hamden, Conn., assignor to The High Standard Manufacturing Corporation, New Haven, Conn., a corporation of Connecticut
Original application October 15, 1940, Serial No. 361,208. Divided and this application October 31, 1941, Serial No. 417,249
1 Claim. (Cl. 42—75)



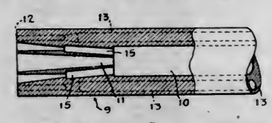
A self-loading repeating firearm including in combination: a lower receiver-member having at its rear an upstanding breech-lug and formed forwardly of the said breech-lug with an upwardly-opening recess between its respective opposite side walls and provided in each of the said side walls with one of two longitudinally-extending downwardly-facing coupling-abutments and with one of two vertical clearance-passages located forwardly of and intersecting both the adjacent one of the said coupling-abutments and the upper edge of the side wall of the said recess; an upper receiver-member having a depending coupling-lug downwardly entering the recess in the said lower receiver-member and provided on each of its respective opposite sides with one of two longitudinally-extending coupling-ribs also extending laterally from the coupling-lug and sufficiently short to enter one of the vertical clearance-passages in the said lower receiver-member, each of the said coupling-ribs having its upper face engageable with the adjacent one of the downwardly-facing longitudinally-extending coupling-abutments in the adjacent side wall of the said lower receiver-member by a relative rearward longitudinal movement of the said upper receiver-member; and a manually-releasable pivotal latching-lever pivoted in the upwardly-opening recess in the said lower receiver-member about an axis extending crosswise thereof and having a rearwardly-extending camming portion engaging directly with the depending coupling-lug of the said upper receiver-member to positively force the same rearwardly to hold in engagement the coupling-ribs of the upper receiver-member and the coupling-abutments of the lower receiver-member.

2,365,307
SELF-LOADING REPEATING FIREARM
Carl G. Swebilius, Hamden, Conn., assignor to The High Standard Manufacturing Corporation, New Haven, Conn., a corporation of Connecticut
Original application October 15, 1940, Serial No. 361,208. Divided and this application October 31, 1941, Serial No. 417,251
5 Claims. (Cl. 42—16)



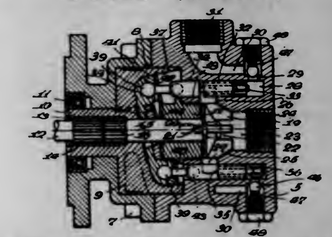
1. A self-loading repeating firearm including in combination: a receiver having a longitudinal chamber therein and formed in its wall with a longitudinal slot intersecting the said chamber and also the outer surface of the receiver; a breech-bolt reciprocable in the chamber in the said receiver and also transversely turnable therein except for the restraint imposed by the hereinafter-mentioned operating-slide, the said breech-bolt having a longitudinal coupling-groove therein and provided with a forwardly-facing abutment; and an operating-slide mounted for reciprocation in the longitudinal slot in the said receiver and having an outwardly-extending handle-portion available for manipulation from the exterior of the said receiver, the said operating-slide also having a bar-like inner portion reciprocating within the chamber in the said receiver and extending into sliding keying engagement with the longitudinal coupling-groove in the said breech-bolt and constructed and arranged to normally reciprocate longitudinally in the said coupling-groove and to hold the said breech-bolt against turning movement within the said receiver, the said bar-like inner portion of the operating-slide having a rearwardly-facing abutment engaging with the forwardly-facing abutment of the said breech-bolt to limit relative rearward movement of the said operating-slide with respect to the said breech-bolt.

2,365,308
METHOD FOR SCARFING
Walter G. Sylvester, Jersey City, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application March 28, 1942, Serial No. 436,551
3 Claims. (Cl. 148—9)



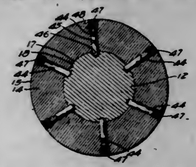
1. The method of removing surface metal from a ferrous metal work-piece which comprises directing an oxygen scarfing stream against the surface of the work-piece with the metal at ignition temperature, and, while producing relative movement of the stream and work-piece, directing auxiliary, high-velocity streams of oxygen against the work-piece on both sides of the scarfing stream and close to the sides of the scarfing stream, said auxiliary high-velocity streams of oxygen being substantially smaller than the oxygen scarfing stream and delivered at substantially atmospheric pressure from orifices which individually diverge outwardly so that they will not scarf the work-piece.

2,365,309
HIGH-PRESSURE PUMP
Frank A. Talbot, Baltimore, Md., assignor of one-half to Robert E. Barry, Washington, D. C.
Application July 12, 1943, Serial No. 494,381
8 Claims. (Cl. 103—5)



1. A pump comprising a housing having a series of cylinders arranged therein in parallel relation and in circular formation, a chamber communicating with one end of each of said cylinders, an intake port in said housing, an impeller wheel arranged in said chamber and positioned to draw fluid through the intake port and to force the same into said cylinders through the last mentioned ends thereof, piston rods arranged to reciprocate in the cylinders, sleeves surrounding the piston rods and slidably mounted in the cylinders and through which fluid pumped by the impeller wheel can enter the opposite ends of said cylinders, discharge ports in the housing communicating with the last mentioned ends of the cylinders, valve means controlling said discharge ports, and means for simultaneously rotating the impeller wheel and reciprocating said piston rods.

2,365,310
ROTOR UNIT
Arthur W. Thomann, Nutley, and George F. Wislicenus, Summit, N. J., assignors to Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware
Application March 2, 1944, Serial No. 524,714
6 Claims. (Cl. 103—115)

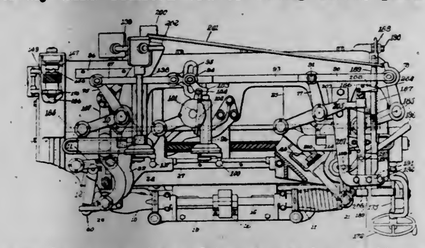


1. A rotor unit comprising a shaft, impellers mounted on said shaft and having wearing surfaces of diameters at least equal to the outside diameters of their respective impellers, and fastening means fixedly securing the individual impellers to said shaft, said fastening means extending through the outer periphery of the walls of the impellers.

2,365,311
COPYING LATHE
Laurence E. Topham, Wenham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application March 13, 1943, Serial No. 479,014
4 Claims. (Cl. 142—15)

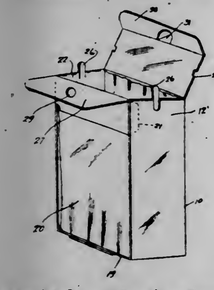
1. In a copying lathe, a work holder and a model holder constrained to rotation about a turning axis, two feed carriages constrained to paths parallel with said axis, means for moving

said carriages oppositely with respect to each other but with related amplitudes of traverse, swing frames carried by said carriages respectively and constrained to swing about parallel



axes transverse to said turning axis, a cutter and a model wheel carried respectively by said swing frames, and means connecting said swing frames to synchronize their girthwise motions as their carriages move oppositely in traverse.

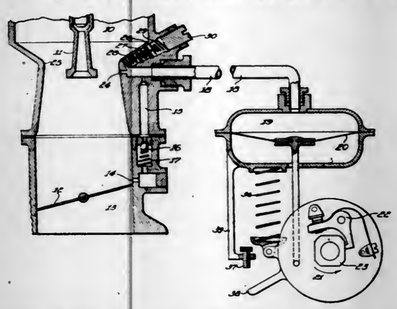
2,365,312
RECEPTACLE SUPPORT
William Trogman, Chicago, Ill.
Application January 1, 1944, Serial No. 516,661
7 Claims. (Cl. 248—311)



1. In a receptacle support comprising in combination a supporting structure for a receptacle, a cover flap and a mounting flap, means for removably holding said receptacle in an open condition within said supporting structure comprising end flaps adapted to be folded into the mouth of the receptacle, wedge elements on said flaps adapted to bear against adjacent portions of said receptacle when said flaps are folded into the mouth of said receptacle and finger tabs provided by said flaps to facilitate unfolding said flaps from the mouth of said receptacle.

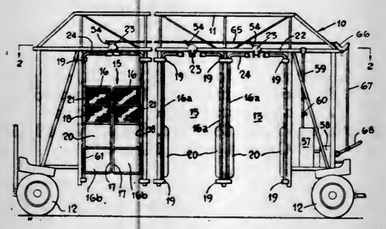
2,365,313
SPARK CONTROL
Stanley M. Udale, Detroit, Mich., assignor to George M. Holley and Earl Holley
Application December 23, 1943, Serial No. 515,464
4 Claims. (Cl. 123—117)

1. In a circuit breaker for spark distributors for an internal combustion engine having a carburetor with a venturi in the air entrance and a throttle valve in the mixture outlet, said circuit breaker including a cam, a contact-carrying breaker arm, a relatively fixed contact, movable supporting means for said breaker arm and said relatively fixed contact, said means being adjustable angularly about said cam to advance or retard the spark, said mechanism comprising a pressure responsive diaphragm from which a connection is made to said adjustable supporting means, a conduit for applying suction on said diaphragm from the throat of the venturi from said carburetor, a restriction therein, a second conduit for applying suction on the suction side of said restriction from the discharge side of said throttle valve, a check valve in said second conduit opening towards the engine, a restriction in said second conduit, a second diaphragm, a chamber associated therewith, a restricted passage connecting said chamber with the suction in the



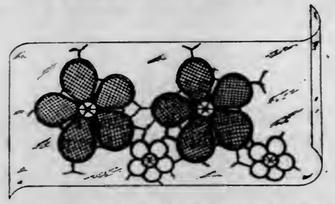
mixture outlet, a third chamber associated with said diaphragm, said third chamber being in unrestricted communication with the suction in the mixture outlet, means for connecting first and second diaphragms together so that the movement of the first diaphragm is assisted momentarily during acceleration, spring means adapted to oppose one of said suction-operated diaphragms and to assist the other diaphragm in retarding the time of ignition.

2,365,314
FLUID CONTROL STARTING GATE
Jesse P. Whann, Los Angeles, Calif., assignor to Puett Electrical Starting Gate Corporation, Beverly Hills, Calif., a corporation of California
Application December 17, 1942, Serial No. 469,279
16 Claims. (Cl. 119—15.5)



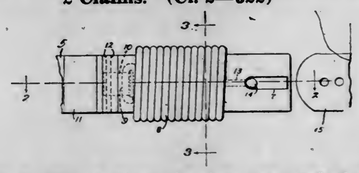
1. In a starting gate device of the character described, the combination of: a gate structure having a plurality of animal compartments, said compartments having egress openings; gates for said openings arranged to move from closed to open position; latch means for holding said gates in closed position, each of said latch means comprising relatively movable walls to define a vacuum chamber wherein vacuum will act to hold said walls in positions of relative proximity, the movement of said walls apart effectuating the release of the gate associated therewith; means to create a partial vacuum in said chambers; and means operative to simultaneously break the partial vacuum in all of said chambers whereby the said walls of all of said latch means will move apart and simultaneously effectuate release of all of said gates.

2,365,315
MANUFACTURE OF FABRICS
Thomas Leigh Williams, New York, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application April 10, 1942, Serial No. 438,455
9 Claims. (Cl. 2—278)



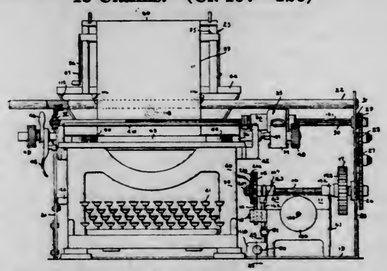
1. The method of making lace fabric and the like which comprises stitching the fabric on a support consisting of a polyvinyl alcohol film which contains a plasticizing medium.

2,365,316
BELT
Dorsey M. Wirth, Bucyrus, Ohio
Application April 12, 1943, Serial No. 482,804
2 Claims. (Cl. 2—322)



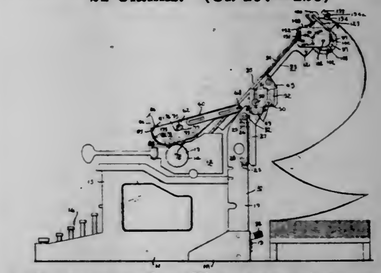
2. In a belt, a strap having one end thereof folded rearwardly upon itself, providing a loop, a strap at one side of the loop having an elongated opening extending inwardly from the outer end of the loop, a spring member coiled around one side of the loop, means for securing one end of the spring member to the strap, the opposite end of the spring member extending forwardly and outwardly through the elongated opening, and adapted to extend into openings of the opposite end of the strap, securing the ends of the strap together.

2,365,317
TYPEWRITER CONTROLLER
Clayton E. Wyrick, Miami, Fla., assignor to The Egry Register Company, Dayton, Ohio, a corporation of Ohio
Original application August 13, 1941, Serial No. 406,623. Divided and this application July 13, 1942, Serial No. 450,698
13 Claims. (Cl. 197—126)



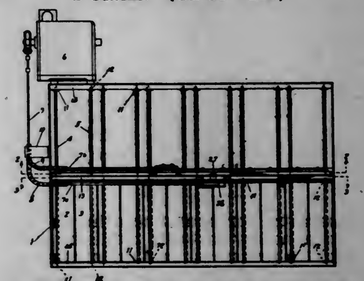
1. An apparatus for controlling the movement of a plurality of webs having repeated form faces in juxtaposed relationship and having individual sheets of carbon positioned between adjacent forms comprising a power source, means for controlling connection of said power source to the platen of a typing machine, means for regulating the operation of said controlling means including means for controllably predetermining the amount of advancement of said platen for sequential line spacing, means for controlling reverse rotation of said platen to permit release of said carbon, and means for regulating the forward rotation of said platen to advance said webs to a position in the typing machine to permit removal of the typed form from said webs.

2,365,318
MEANS FOR HANDLING PAPER ON BUSINESS MACHINES
Clayton E. Wyrick, Miami, Fla., assignor to The Egry Register Company, Dayton, Ohio, a corporation of Ohio
Application July 20, 1942, Serial No. 451,645
21 Claims. (Cl. 197—126)



1. In a paper handling apparatus, means for supporting a plurality of paper webs in juxtaposed relationship, means for supporting carbon sheets adapted to be interleaved between the paper webs, means for detaining movement of the carbon sheets when the paper webs move over said supporting means, means for locking said detaining means in the detaining position, and means actuated by movement of said paper webs with respect to said supporting means for unlocking said locking means after a predetermined length of paper web has passed over said supporting means, said locking means thereby releasing said detaining means to permit the carbon sheets to thereafter move with the paper webs.

2,365,319
DAMPER CONTROL MEANS
Emil O. Young, Cleveland, Ohio
Application April 30, 1943, Serial No. 485,245
1 Claim. (Cl. 98—110)



In a damper unit, a casing comprising two compartments in superposed relation with a space

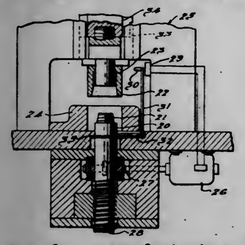
therebetween, a damper member in each compartment including a plurality of blades, arranged in connected pairs and pivoted to the opposite upper and lower sides of each compartment, the axes of the blades of one damper being alined with those of the other, like means in said space to open and close pairs of the blades of each damper member, each said means comprising a longitudinal bar connected with the blades of each damper, a pivoted lever connected at a point between its ends with said bar and pivoted at one end to the casing, a guide part for the lever, spring means connected to and near the end of the lever opposite that pivoted to the casing and normally tending to pull the lever in one direction, cable means to pull the lever in an opposite direction, and a tension adjusting member connecting the spring means at one end of the adjacent wall of the casing, and instrumentalities external to the casing for pulling on the cable means to operate the blades of the dampers.

2,365,320
DAMPER LINKAGE
Emil O. Young, Cleveland, Ohio
Application April 30, 1943, Serial No. 485,246
2 Claims. (Cl. 98—110)



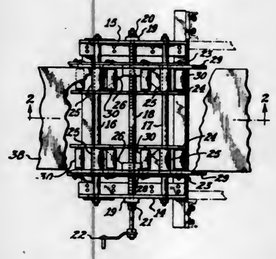
1. In a damper of the class described, a pair of swingable blade members, a pivotal mounting for said blade members spaced a substantial distance from the center thereof, a single link pivotally connecting said blade members, the point of pivotal connection of one end of the link with one blade member being at one side of the axis of pivotal support thereof, and the point of pivotal connection of the other end of the link with the other blade member being at the opposite side of the axis of pivotal support of the other blade member, an arm connected to one of said blade members, and an actuating bar for said arm.

2,365,321
APPARATUS FOR MANUFACTURING NUTS
Leonard A. Young, Detroit, Mich.
Application May 3, 1940, Serial No. 333,191, now Patent No. 2,278,962, dated April 7, 1942, which is a division of application Serial No. 427,089, January 17, 1942. Divided and this application August 11, 1943, Serial No. 498,200
5 Claims. (Cl. 10—76)



1. Apparatus for manufacturing a threaded nut from a hollow metallic blank by subjecting said blank to pressures, said apparatus comprising an upsetting die, an anvil disposed below said die, a threaded frusto-conical mandrel integral with said anvil, means for effecting relative longitudinal movement of the die and anvil toward and away from one another to position said threaded mandrel within said upsetting die whereby to subject the nut blank to pressures of sufficient magnitude to cause the metal thereof to flow and conform to the contour of said upsetting die to thread said blank, and mechanical means for moving said anvil in a descending spiral path to unthread the mandrel from the formed nut.

2,365,322
GUIDE
James Edward Ashworth, Butler, Pa., assignor to The American Rolling Mill Company, Middletown, Ohio, a corporation of Ohio
Application December 1, 1941, Serial No. 421,188
7 Claims. (Cl. 271—2.6)



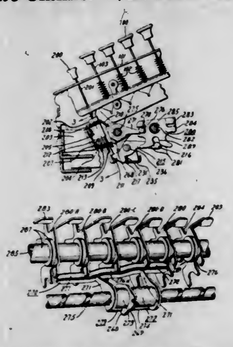
1. In a guide, a frame, two series of spaced rollers for supporting a strip from underneath, said rollers in each series arranged to cause said strip by gravity to follow a path which is sufficiently arcuate to give transverse stiffness to said strip, and a side abutment for each said series arranged to be associated with the side edge of a strip as so supported, and means to support each said side abutment at a position spaced outwardly from the ends of the rollers in its series, said means to support said abutment also comprising means to support the rollers in its series, each said abutments, the rollers in its series, and said supporting means being movable as a unit with respect to said frame.

2,365,323
STORM SASH VENTILATOR
Martin H. Ave Lallemant, Milwaukee, Wis.
Application December 10, 1941, Serial No. 422,423
6 Claims. (Cl. 98—97)



1. In combination with a member having a vent hole terminating in a flat surface, an elongated flat closure plate slidably cooperable with said surface to cover and uncover said hole, and a pair of actuating arms mounted upon the member and being swingable about parallel axes disposed perpendicular to said surface and outwardly beyond the opposite extreme ends of said plate, the swinging ends of said arms being pivotally cooperable with the opposite ends of said plate.

2,365,324
TABULATING MECHANISM
Harold T. Avery, Oakland, Calif., assignor to Marchant Calculating Machine Company, a corporation of California
Application June 11, 1938, Serial No. 213,195
26 Claims. (Cl. 235—63)

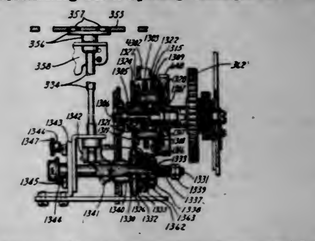


1. In a machine of the class described having a frame, a carriage transversely shiftable thereon, and motor driven means for shifting said carriage; the combination of carriage position mechanism settable to a position corresponding to the position occupied by said carriage including means operable in synchronism with the movement of said carriage for setting said mechanism, tabulation control means settable to indicate a desired position of said carriage, direction control means selectively settable to control the direction of operation of said carriage shifting means, and direction setting means comprising a series of members displaceable in opposite directions from a neutral position by said carriage position mechanism and adapted to be individually restored to neutral position by said tabulation control means, said direction setting means being responsive to such restoration of a displaced member for setting said direction control means.

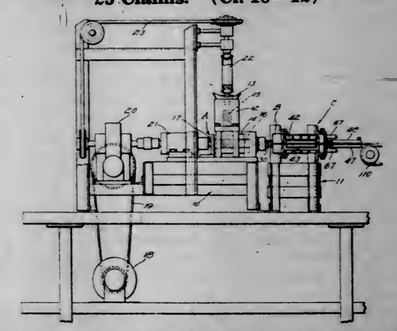
5. In a machine of the class described having a frame, a carriage transversely shiftable thereon, and motor driven means for shifting said carriage; the combination of tabulation control means settable to indicate a desired position of said carriage, direction control means selectively settable to control the direction of operation of said carriage shifting means, a device normally effective to set said direction control means to predetermine the carriage shifting direction, means settable by said tabulation control means for superseding the control of said direction control means by said device, means for initiating operation of said carriage shifting means, means operable by a single manual stroke for setting said tabulation control means and actuating said operation initiating means, and means comprising a member operable independently of said tabulation control means for actuating said operation initiating means.

2,365,325
CLUTCH MECHANISM FOR CALCULATING MACHINES
Harold T. Avery, Oakland, Calif., assignor to Marchant Calculating Machine Company, a corporation of California
Application September 20, 1943, Serial No. 503,056
15 Claims. (Cl. 192—48)

1. In a motor driven machine of the character described, a first cyclically operable clutch mechanism and control means for initiating and interrupting operation thereof; a second clutch mechanism and control means for initiating operation of said second clutch mechanism including a spring energized member, a restraining device for said spring energized member, interlock means controlled by said first clutch mechanism for restraining said spring energized member after release of said member from said restraining device, means controlled by said first clutch mechanism for releasing said spring energized member from said restraining means, and means operable by a single manual stroke for operating the control means for initiating operation of said first clutch and releasing said spring energized member from said restraining device.



2,365,326
METHOD OF AND APPARATUS FOR PRODUCING CONTINUOUS ORGANIC PLASTIC SHEETS OR RIBBONS BY EXTRUSION
James Bailey, West Hartford, Conn., assignor to Plax Corporation, Hartford, Conn., a corporation of Delaware
Application November 28, 1942, Serial No. 467,222
25 Claims. (Cl. 18—12)



18. Apparatus for forming continuous sheets of organic plastic material which comprises a die structure having a pair of deckle plates and a pair of reciprocating plates forming a die opening, said deckle plates having their opposed edges spaced apart and being of substantially the same thickness as the desired thickness of the sheet being formed, and said reciprocating plates being spaced apart by and having sliding engagement with said deckle plates, a pair of extension plates at the discharge end of said die opening having their opposed surfaces respectively aligned with the opposed surfaces of said reciprocating plates, means for delivering a plastic material in sticky condition to the die opening and forcing the material under pressure through the die opening and between said extension plates, and means for reciprocating said reciprocating plates simultaneously in opposite directions transversely of the direction of movement of the sheet.

24. The process of forming continuous sheets of organic plastic material by extrusion which comprises first forming the material into a flat ribbon by extruding it through a ribbon-forming orifice, and then forcing the ribbon through a sheet-forming die while reciprocating, transversely to the direction of travel of the plastic material, the walls which define the opposed faces of the die, and maintaining a film of lubricant between the material of the sheet and the walls of the die.

2,365,327

ADJUSTABLE ANCHOR FOR PACKERS

Charles H. Barnes, Glendale, Calif., assignor to Lane-Wells Company, Los Angeles, Calif., a corporation of Delaware

Application February 25, 1941, Serial No. 380,474
12 Claims. (Cl. 166—10)



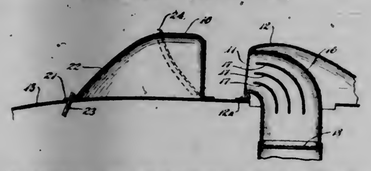
1. The combination with a tubing string and packer of: a pair of telescoping tubes adapted to extend between said packer and the bottom of a well bore, one of said tubes being suspended from said packer, the other adapted to bear against the bottom of the well bore and tending to resist rotation; and securing means between said tubes responsive to manipulation of said tubing string for securing said tubes against relative inward telescoping movement.

2,365,328

PROTECTIVE SHIELD

Millard R. Bell, Los Angeles, Calif., assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

Application December 10, 1941, Serial No. 422,343
4 Claims. (Cl. 98—13)



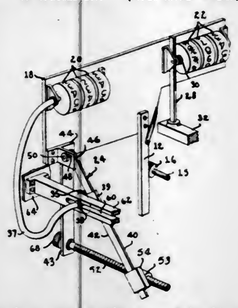
1. A shield for protecting an air scoop, said shield comprising a body of streamline form disposed in advance of the mouth of the scoop to shield the mouth from air-borne particles while permitting flow of air into the scoop around the streamline surface of the shield, and said streamline surface including a rounded frontal portion and side portions converging rearward to a rearmost portion extending vertically throughout substantially the vertical depth of the shield.

2,365,329

DISPENSING PUMP COMPUTER

David E. Bench and Melvin A. Crosby, Dayton, Ohio, assignors to The Dayton Pump and Manufacturing Company, Dayton, Ohio, a corporation of Ohio

Application May 16, 1940, Serial No. 335,592
5 Claims. (Cl. 235—61)



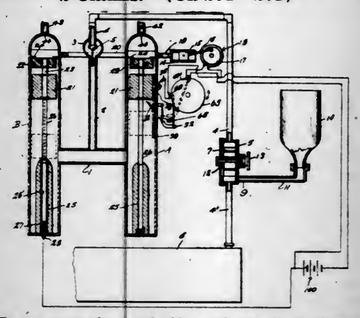
5. In a price computing and indicating mechanism comprising a vertically movable support for said price indicator, an inclined rack, means for connecting said rack to said support so that it is movable therewith, a stationary support, a drive transmitting pinion, means for displaceably mounting said pinion on said stationary support, and means for maintaining said pinion in continuous engagement wth said rack as it is displaced with said movable support.

2,365,330

APPARATUS FOR ELECTROLYTICALLY PRODUCING OXYGEN AND HYDROGEN

Asa B. Carmichael, Tujunga, Calif.

Application October 11, 1941, Serial No. 414,681
2 Claims. (Cl. 204—275)



1. In apparatus of the character described, a pair of upright cylinders arranged side by side, a cross conduit intermediate the ends of the cylinders establishing communication between the same, means including an intermittently operating pump for supplying water to said cylinders, a source of sulphuric acid supply having a discharge pipe, means to introduce sulphuric acid from said pipe into the water as the water passes to said cylinders including a wheel actuated by flow of the water and having thereon a shutter for controlling the discharge from said pipe, a pair of vertically movable electrodes in said cylinders for generating oxygen in one cylinder and hydrogen in the other, a pair of floats above the electrodes, respectively, connected thereto to maintain the same submerged and cause the electrodes to rise and fall in correspondence with

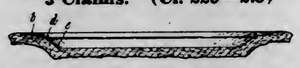
variations in the level of water in the cylinders, an electric circuit in which the electrodes are interposed, and a circuit maker and breaker operative under control of one electrode to break said circuit when the water in said cylinders falls to a predetermined level.

2,365,331

HOLLOW MOLDED PREFORM OF FIBER AND FUSIBLE PLASTIC MATERIAL

William W. Carter, Needham, Mass., assignor to Brayton Morton, Boston, Mass., as trustee

Application March 27, 1942, Serial No. 436,416
3 Claims. (Cl. 229—2.5)



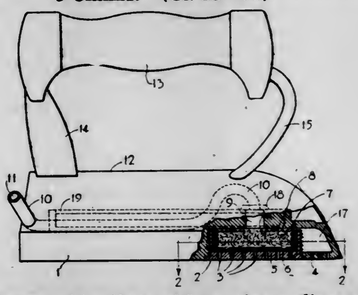
1. An individual molded pulp article of generally dish shape and of substantially uniform composition throughout, consisting of a loosely felted and porous compressible mass of fibers die-molded in such dish shape from an aqueous suspension of fibers and discrete particles of uncured plastic material curable by heat, in which the resin particles are substantially uniformly distributed among the fibers and retained thereby.

2,365,332

ELECTRIC PRESSING IRON

William M. Cissell, St. Matthews, near Louisville, Ky.

Application March 13, 1941, Serial No. 383,091
9 Claims. (Cl. 38—77)



1. The combination with a steam-dispensing pressing-iron having a steam chamber in the body thereof, and having perforations in the pressing face thereof communicating with the said chamber; means operatively associated with the said chamber for delivering steam thereto; and a steam distributor and condensation trap within the said chamber disposed between the said steam delivery means and the said perforations for separating water of condensation from the steam delivered into the said chamber, the said distributor and trap comprising a metallic cup filled with absorbing material of low heat conductivity and having a wire mesh extending over the said absorbing material, for retaining the same in the said cup.

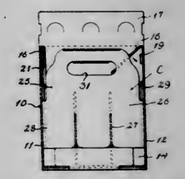
2,365,333

CARDBOARD CARTON

Donald F. Cunningham, Milwaukee, Wis., assignor to Pabst Brewing Company, Chicago, Ill.

Application May 30, 1942, Serial No. 445,151
4 Claims. (Cl. 229—52)

1. A combined bottle carrier and carton comprising an outer case, a bottle partition filler fitted in said case including a sliding central partition wall and laterally extending wings on the ends of said partition wall, said wings having a sliding engagement with the end walls of the case, said case also including swinging cover flaps moveable inside of the case parallel with the wings and the end walls of the case and into engagement with the wings for retaining the filler



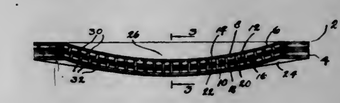
in place, the cover flaps each being provided with a central slot for clearing the partition during the swinging of the flaps into the case, the case having keeper slots therein, and laterally extending locking tongues on the sides of the flaps moveable into the keeper slots when the flaps are swung into engagement with the wings, the flaps defining in conjunction with the end walls of the case a slide guide way for said wings.

2,365,334

CURVED PLYWOOD STRUCTURE

Nicholas A. de Vries, Brookfield Center, Conn.

Application September 28, 1943, Serial No. 504,094
1 Claim. (Cl. 144—309)



The method of forming curved structures from a pair of plywood strips each of which comprises an inner and an outer layer and an intermediate core piece adhesively secured into a unit, said method comprising kerfing one face, including the core piece, of each of said plywood strips, and with the kerfed faces juxtaposed and with an adhesive between bending the assembly to the desired curve about an axis which is substantially parallel to said kerfs, and retaining the assembly in this position until the adhesive material has set up.

2,365,335

HARD RUBBER MATERIALS CAPABLE OF READY FABRICATION

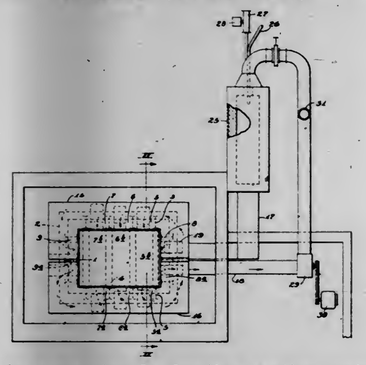
Edward R. Dillehay, Glen Ellyn, Ill., assignor to The Richardson Company, Lockland, Ohio, a corporation of Ohio

No Drawing. Application May 27, 1941,
Serial No. 395,447
1 Claim. (Cl. 260—3)

A vulcanized hard rubber panel, substantially devoid of cold flow, and capable of being bent without cracking upon being warmed having a formula responding substantially to the following:

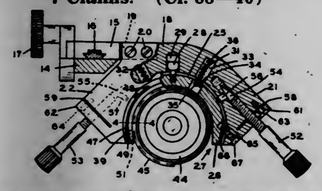
	Pounds
Rubber	50
Lime	2
Accelerator	.5
Cured phenolic resin powder	20
Hard rubber dust	15
Sulphur	24

2,365,336
APPARATUS FOR HEATING COATING MATERIAL
Morton I. Dorfan, Pittsburgh, Pa., assignor, by mesne assignments, to Koppers Company, Inc., a corporation of Delaware
Application June 2, 1943, Serial No. 489,348
4 Claims. (Cl. 126—343.5)



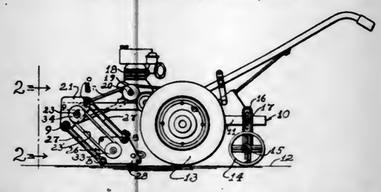
1. An apparatus for heating coating material, comprising an open top casing having a bottom and side walls formed of refractory material, a coating tank within and spaced from the bottom and side walls of the casing, I-beams between the casing and tank forming lateral supports for the side walls of the tank and dividing the space between the adjacent vertical walls of the casing and tank into a plurality of vertical passages, I-beams between the bottom of the tank and the bottom of the casing supporting the tank and dividing the space between said bottoms into horizontal passages communicating with said vertical passages, gas supply and delivery conduits at the top of said casing communicating one with the upper ends of a portion of said vertical passages and the other with the upper ends of the remainder thereof, and means for supplying said supply conduit with heated gases, and for removing them through said delivery conduit, said gases flowing through said passages from said supply conduit to said delivery conduit.

2,365,337
OPTICAL INSTRUMENT
George B. Gallasch, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application September 30, 1943, Serial No. 504,399
7 Claims. (Cl. 88—40)



1. A microscope substage comprising a frame which is adjustable in a direction parallel with the optical axis of the microscope; a supporting member carried by said frame for lateral movement relative to the optical axis of the microscope; a substage part carried by said member; resilient means connecting said member with said frame; pivot means carried by said member and engaging said frame, said pivot means disposed intermediate said resilient means; a follower movably mounted on said frame on opposite sides of said resilient means, each follower engaging said supporting member; and cam means carried by said frame for moving said followers to adjust the position of said supporting member against the action of said resilient means and about said pivot means relatively to said frame to position said substage part relative to the optical axis of the microscope.

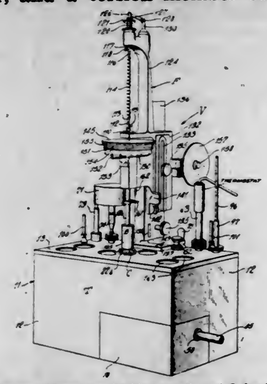
2,365,338
LAWN MOWER
Hiram F. Godwin, Detroit, Mich.
Original application July 19, 1941, Serial No. 403,113. Divided and this application March 5, 1943, Serial No. 478,068
1 Claim. (Cl. 56—294)



In a lawn mower; a cutting unit including a frame structure, a cutting reel journaled on said frame structure, a knife bed shiftably mounted on said frame structure having a knife thereon disposed in operative relationship with respect to said reel, a threaded stem attached to said knife bed, a sleeve threaded on said stem having a laterally extending flange and having external threads on its periphery, an abutment on said structure engageable with said flange for positively limiting movement of said knife in a direction toward said reel, an adjusting member extending laterally of and axially shiftably mounted on said sleeve, said adjusting member being fixed against rotation relative to said sleeve and adapted to screw the latter axially of said stem for varying the position of the flange of said sleeve and the limiting position of said knife, a spring bearing between said abutment and the adjacent side of said adjusting member for yieldably opposing movement of said knife away from said reel, and a nut member threaded on said external threads of said sleeve and engaging the opposite side of said shiftable adjustable member for compressing the latter and predetermining the force with which said spring opposes movement of said knife away from said reel independently of the position of said flange.

2,365,339
VISCOMETER
Henry Green, New York, N. Y., assignor to Interchemical Corporation, New York, N. Y., a corporation of Ohio
Application December 13, 1941, Serial No. 422,802
8 Claims. (Cl. 73—54)

1. In an apparatus for use in determining the flow characteristics of liquid and plastic materials, the combination of a heating bath, a container disposed in said bath for holding a quantity of the material whose flow characteristics are to be determined, means for rotating said container, a supporting member arranged above said container, a vertically disposed shaft rotatably but rigidly mounted in said supporting member and disposed centrally with respect to said container, a bob mounted on the end of said shaft and adapted to be positioned centrally within said container, and a torsion member connected to

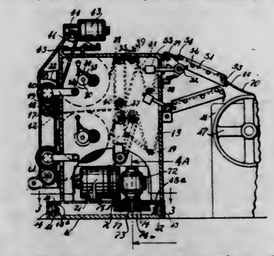


said shaft so that rotation of said bob will cause deflection of said torsion member.

2,365,340
SOLVOLYSIS OF POLYMERIC N-VINYL-IMIDES AND PRODUCTS THEREFROM
William E. Hanford and Halsey B. Stevenson, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 5, 1942, Serial No. 429,686
7 Claims. (Cl. 260—85)

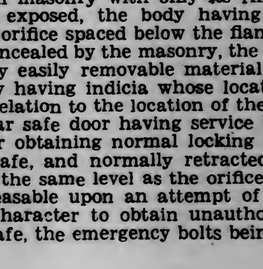
1. A process for cleaving a polymer of an N-vinyl imide of an organic dicarboxylic acid which comprises maintaining the same in contact at 100–200° C. with an active hydrogen containing hydrolytic agent of the class consisting of aqueous solutions of basic metal hydroxides, aqueous solutions of quaternary ammonium hydroxides, aqueous solutions of strong mineral acids, aqueous solutions of trichloroacetic acid and aqueous solutions of formic acid.

2,365,341
TIRE BUILDING APPARATUS
Urban C. Haren and Victor H. Hasselquist, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application January 10, 1942, Serial No. 426,330
3 Claims. (Cl. 154—10)



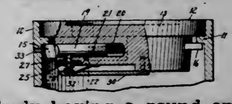
1. Material-supplying apparatus for a tire-building form, said apparatus comprising a carriage movable axially of the form, a plurality of strip supplying means on said carriage adapted to be aligned with said form for delivery of strip material thereto by movement of said carriage from one position of alignment to another, means for moving said carriage from one position of alignment to another, and means for gradually decelerating carriage movement as the carriage approaches a position of alignment, said decelerating means comprising a crank and slot connection between said carriage and a carriage guiding structure.

2,365,342
ELECTRIC GASEOUS DISCHARGE DEVICE
Robert C. Hilliard, Arlington, and William V. Smith, Salem, Mass., assignors to Sylvania Electric Products Inc., a corporation of Massachusetts
Application January 30, 1942, Serial No. 428,888
2 Claims. (Cl. 176—122)



2. A gaseous discharge device comprising: a bulb; an inert gas at low pressure therein; a pair of electrodes therein; and a single filamentary cathode therein exposed to said gas and having one of its ends connected to the outer end of one of said electrodes and its other end connected with the other of said electrodes adjacent the inner end thereof; said other electrode comprising a V-shaped member with a free end well removed from the connection of said other end of said filament, whereby an arc may be struck from one end or the other of said filament to the opposing electrode so as to effectively short out said filament.

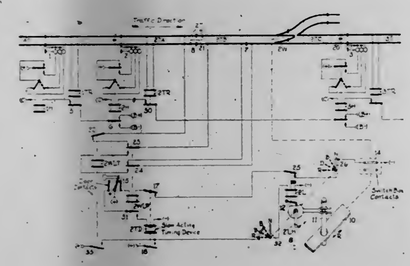
2,365,343
LOCKING DEVICE FOR SAFES
Armel Stuart Holleyhead, New York, N. Y., assignor to In-A-Seal Safe Corporation, New York, N. Y., a corporation of New York
Application May 15, 1941, Serial No. 393,547
In Canada May 17, 1940
7 Claims. (Cl. 70—1.7)



1. A safe body having a round opening provided with an annular inwardly extending flange spaced inwardly of the face of the body to provide a recess for a door, the body being normally buried in masonry with only its rim about the opening exposed, the body having a laterally opening orifice spaced below the flange and normally concealed by the masonry, the orifice being closed by easily removable material, the rim of the body having indicia whose location bears a known relation to the location of the orifice, and a circular safe door having service lock mechanism for obtaining normal locking of or access to the safe, and normally retracted emergency bolts at the same level as the orifice in the body and releasable upon an attempt of a predetermined character to obtain unauthorized access to the safe, the emergency bolts being automati-

cally protracted to pass below the flange, the door being positionable by reference to the indicia to bring each emergency bolt opposite the orifice whereby by means of a tool inserted through the orifice the said bolts may be retracted and the door opened.

2,365,344
RAILWAY SWITCH LOCK CONTROL SYSTEM
Thomas Joseph Judge, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application February 5, 1943, Serial No. 474,775
10 Claims. (Cl. 246—161)

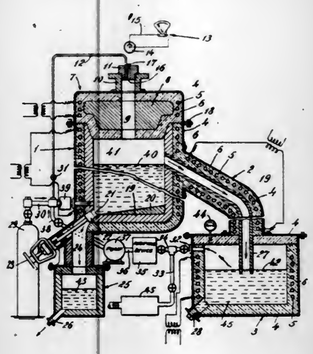


1. In a system for protecting hand-operated track switches on railroads, a manually operable track switch, manually operable locking means for the track switch, an electric lock acting when deenergized to prevent manual release of said locking means, a time element device operable when manually initiated for energizing said electric lock only after a predetermined time, a normally closed track circuit associated with said track switch and including a release rail normally connected in series therewith, a signal for governing traffic over said track switch and controlled to indicate clear only when said track circuit is energized, a track relay associated with said release rail, means for opening said track circuit to cause said signal to indicate stop and for connecting said track relay in series with said release rail and a portion of said track circuit to thereby effect the energization of the track relay when the release rail of the track circuit is occupied by a train, and circuit means for at times effecting the energization of said electric lock when said track relay is energized.

2,365,345
N-SUBSTITUTED AMINONAPHTHOL DYE INTERMEDIATES
James Emory Kirby and David W. Woodward, Wilmington, Del., assignors, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 27, 1941, Serial No. 395,496
6 Claims. (Cl. 260—507)

1. A substituted aminonaphthol having a hydroxyl group directly attached to one benzene ring and directly attached to the other benzene ring an amino group which is linked through a $-CH_2-$ group to a bivalent radical taken from the group consisting of bivalent hydrocarbon radicals and ether interrupted hydrocarbon radicals which bivalent radical is in turn linked to the amido nitrogen of an amide.

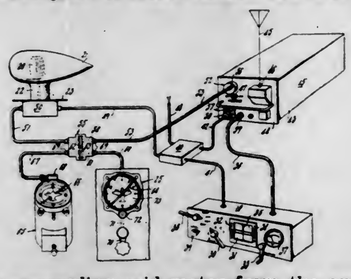
2,365,346
APPARATUS FOR MANUFACTURING METALS
Osias Kruh, Brooklyn, N. Y.
Original application October 6, 1939, Serial No. 298,189, now Patent No. 2,255,549, dated September 9, 1941. Divided and this application September 9, 1941, Serial No. 410,203
3 Claims. (Cl. 266—15)



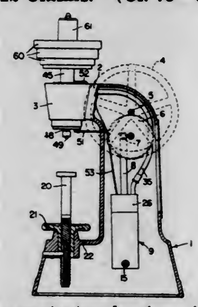
1. In apparatus for the recovery of metals, the improvement comprising a reduction chamber, a gas inlet for passing an inert gas into the reduction chamber, an upper outlet above the normal charge level of the reduction chamber for the escape of volatilized metal vapor and gaseous products, a lower outlet in the lower portion of the reduction chamber for the removal of residues, a receptacle at the discharge end of the lower outlet for receiving the residues from the reduction chamber, means associated with the lower outlet for opening and closing the same to permit intermittent discharge of the residues from the reduction chamber to the receptacle, high frequency induction means associated with the reduction chamber to heat the same to a highly elevated temperature, a condenser, a vapor conduit connecting the upper part of the reduction chamber with the upper part of the condenser, high frequency induction means associated with the condenser to heat the same, a valved gas conduit connecting the upper part of the condenser with the reduction chamber, said valved gas conduit being provided with a pump to circulate gas from the condenser to the reduction chamber, and means for bleeding off gaseous products of reduction from the system.

2,365,347
RADIO DIRECTION INDICATOR SYSTEM
William P. Lear, Piqua, Ohio, assignor to Lear Avia, Inc., Piqua, Ohio, a corporation of Illinois
Original applications July 27, 1939, Serial No. 286,733, and December 28, 1940, Serial No. 372,059. Divided and this application January 18, 1943, Serial No. 472,715
20 Claims. (Cl. 250—11)

1. In combination with a rotatable directional antenna a reversible electric motor for controlling the rotation of said antenna; mechanism for manually rotating said antenna comprising a crank, a cable joining said crank with said antenna and a member normally uncoupling said crank from said cable; and an electromagnetic clutch in circuit with said motor mechanically coupling said antenna and motor when said motor is energized to rotate the antenna and normally uncoupling said motor from the antenna when the motor is deenergized.



2,365,348
HARDNESS TESTER
Stuart W. Lyon, Moline, and Francis C. Huyser, East Moline, Ill., assignors to American Machine and Metals, Inc., New York, N. Y., a corporation of Delaware
Application March 25, 1942, Serial No. 436,072
12 Claims. (Cl. 73—81)



1. A hardness tester having, in combination, a frame carrying a support for a test piece, a vertical cylinder above the support carried by the frame, a vertical extension of the cylinder, a bore of smaller diameter than that of the cylinder extending vertically upward from the cylinder into the extension, a ram movable in the cylinder, an indentor carried by the ram, a plunger freely movable in the small bore, a weight whose center of gravity is below the top of the plunger, free to oscillate on and supported pivotally on the plunger, means to supply fluid under pressure to the top of the cylinder, the fluid forcing the indentor against a test piece and lifting the weight supported on the plunger.

2,365,349
MANUFACTURE OF COFFEE RINGS
John MacManus, Yonkers, N. Y., assignor to Cushman's Sons, Inc., New York, N. Y., a corporation of New York
Application February 25, 1941, Serial No. 380,424
2 Claims. (Cl. 107—54)



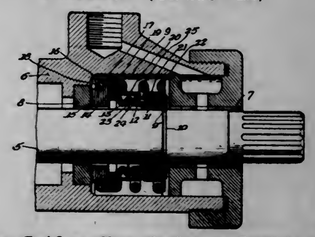
1. Procedure for the manufacture of baked articles to have a predetermined ring-shaped configuration, comprising disposing elongated yeast dough portions in ring-shaped cavities of pans having such cavities, said dough portions comprising elongated rolls made by rolling yeast dough strip into the roll shape with dressing material intermediate the convolutions thereof, covering the pans to enclose the cavities and to provide with the latter an enclosure of the aforesaid predetermined configuration, and causing expansion of the dough portions in the pans by treating the dough portions therein, while keeping the pans covered, by procedure including baking, whereby the ends of each dough portion are secured and baked together, and whereby the predetermined configuration is imparted to the baked rings.

2,365,350
METHOD OF PRODUCING BOTTLE CLOSURES
Anthony Joseph Marek, Blackheath Park, London, England, assignor of one-half to Kork-N-Seal Limited, London, England, a British company
Application January 27, 1940, Serial No. 316,016
In Great Britain February 13, 1939
2 Claims. (Cl. 113—121)



1. In the method of manufacturing closure caps formed of an outer metal portion having a top and a peripheral flange-like attaching skirt for securing the closure to a container neck, an inner portion of paper-like material having a top and a peripheral flange-like skirt co-extensive with that of the metal top and skirt, a rip tab projecting from the free edge of the metal skirt, the steps comprising punching an opening of a size at least as large as the rip tab on the metal portion in a strip of paper-like material, bringing said punched strip into juxtaposition with a strip of metal, punching blanks for the outer and inner portions from said juxtaposed strips together, with the rip tab of the outer portion in register with the previously punched opening in the paper-like strip and shaping the composite blank into a closure cap.

2,365,351
FLUID SEAL
Albert J. Matter, Park Ridge,, Ill., assignor to Crane Packing Company, Chicago, Ill., a corporation of Illinois
Application July 26, 1943, Serial No. 496,097
4 Claims. (Cl. 286—11)



1. In a fluid sealing device, a flexible and resilient sealing member adapted to be preloaded upon a shaft at one end and having its other

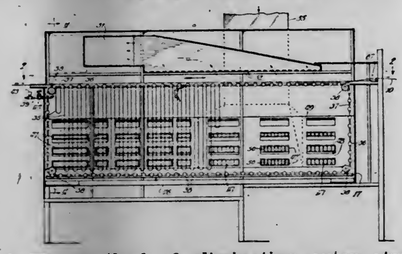
end separated therefrom by flexible and resilient folds, a frictional contact ring in engagement with the said other end, a confining ring extending around the preloaded end of the sealing member, a sleeve member connected to the frictional contact ring and extending adjacent the edge of the confining ring and longitudinal expansible driving connection between the sleeve and the sealing ring.

2,365,352

METHOD AND APPARATUS FOR DRYING AND COOLING ROOFING AND SIMILAR MATERIAL

Roy M. Moffitt, Chicago, Ill., assignor to Reichel & Drews, Inc., Chicago, Ill., a corporation of Illinois

Application August 18, 1941, Serial No. 407,316
22 Claims. (Cl. 62—168)



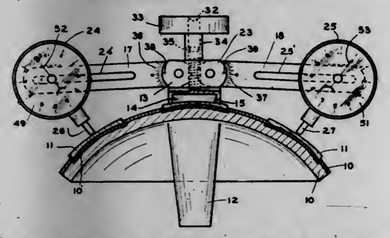
1. The method of eliminating outer atmospheric temperature and humidity as factors influencing the rate of cooling of a hot sheet of material of the kind described, which consists in advancing the sheet through a limited environmental space, causing moisture to contact with the advancing sheet in said space and then circulating air of substantially constant temperature through said space and selectively controlling the quantity of said contacting moisture in accordance with fluctuations in temperature of the sheet upon leaving said space.

2,365,353

MEASURING INSTRUMENT

Edward M. Morris, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York

Application August 31, 1943. Serial No. 500,653
10 Claims. (Cl. 33—174)



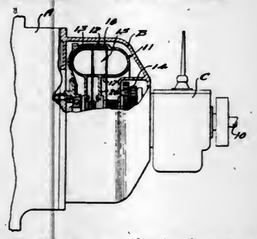
1. In a measuring instrument, a frame; a contact member carried by said frame and adapted to seat upon a surface being measured; a plurality of arms pivotally mounted on said frame and extending outwardly therefrom; means for moving said arms in arcuate paths about said frame; indicating members rotatably carried by said arms and movable longitudinally thereof, the pivotal movement of said arms and the longitudinal movement of said indicating members disposing said indicating members adjacent said surface; and reciprocatory contact members connected to said indicating members and adapted to actuate said indicating members to indicate a measurement of said surface, the movement of said arms and said indicating members disposing said reciprocatory members normal to said surface and in contacting engagement therewith.

2,365,354

METHOD FOR FABRICATING FLUID POWER TRANSMITTERS

Gordon R. Pennington, Bloomfield Hills, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Application May 12, 1941, Serial No. 393,057
4 Claims. (Cl. 29—156.8)



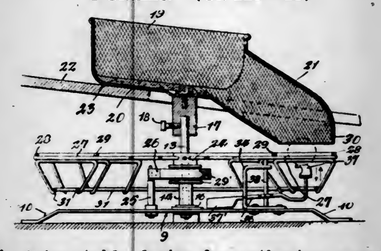
1. The method of manufacturing a vaned fluid power transmitter of the type having a pair of vane-connected carriers disposed in relatively spaced relation one within the other, comprising, assembling the vanes in circumferentially spaced relationship around one of said carriers such that one end of each of the vanes projects freely from the last mentioned carrier, applying a pilot carrier to said free ends so as to stress said vanes in a radial direction toward the last mentioned carrier thereby circumferentially aligning the free ends of said vanes in preparation to receive the other of said carriers, and then concurrently axially forcing said pilot carrier from said free ends and the last said carrier into position while maintaining said vanes under radial stress in said direction.

2,365,355

HEN NEST

William E. Petty, Altoona, Iowa

Application November 25, 1943, Serial No. 511,688
4 Claims. (Cl. 119—48)



1. A turntable device for gathering eggs comprising means to deliver eggs from a nest, a turntable including an operating means, said turntable having two concentric egg supporting rails arranged to receive eggs from said delivery means, said turntable including a plurality of radial arms spaced to correspond to units of space for individual eggs on the turntable and an escapement device comprising a vertically movable plunger having a stationary mounting and

adapted to engage one of said radial arms to oppose movement thereof by said operating means, a lever having a fixed pivotal mounting inwardly of said plunger and extended out of its pivot from the axis of the turntable, and pivotally connected to said plunger, said lever being extended beyond the plunger outwardly and upwardly between said rails, and having an egg-receiving plate thereon positioned beneath said egg-delivering means, and yielding means to hold said lever with the receiving plate in elevated position, said plate being positioned medially between said rails.

2,365,356

NICKEL ELECTROFLAKE PIGMENT

Norman Boden Pilling, Westfield, and Andrew Wesley, Plainfield, N. J., assignors to The International Nickel Company, Inc., New York, N. Y., a corporation of Delaware

Application July 15, 1941, Serial No. 402,550
In Canada January 21, 1941
4 Claims. (Cl. 106—290)



FRANGIBLE
ELECTROFLAKE NICKEL
(AFTER BRUSHING THROUGH
325-MESH SCREEN 100 X)

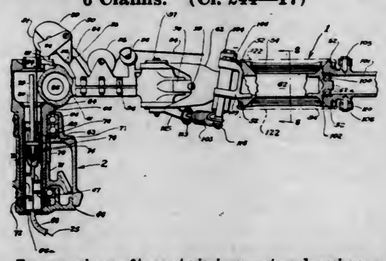
1. As a new article of manufacture, substantially pure, electro-deposited nickel in the form of small irregularly shaped flakes about 2×10^{-5} inch to about 4×10^{-5} inch thick, said electro-deposited nickel being so brittle that flakes of an average size of about 40-mesh are reduced to 90+% minus 325-mesh by relatively gentle force exerted by the hand in brushing said 40-mesh particles through a 325-mesh standard screen.

2,365,357

AIRCRAFT HAVING ROTATING BLADES OR WINGS

Richard H. Prewitt, Lansdowne, Pa., assignor to Kellett Aircraft Corporation, a corporation of Delaware

Application December 18, 1940, Serial No. 370,572
6 Claims. (Cl. 244—17)



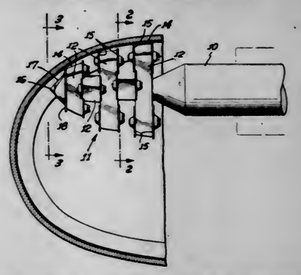
1. In an aircraft sustaining rotor having a hub and an autorotative blade, a link member pivotally mounted upon said hub at its inner terminal and having a transversely apertured outer terminal, fork means associated with the said blade pivoted to said outer terminal adapted to permit blade movement within its plane of rotation, and stop means carried by said link outer portion on each side thereof in the path of said blade fork adapted normally to limit said blade movement about said outer terminal, the said stops being retractable within said link for blade folding about said outer pivot.

2,365,358

COCONUT MEAT EXTRACTOR

Jacquelin De Witt Rector, San Leandro, Calif.

Application February 10, 1943, Serial No. 475,400
5 Claims. (Cl. 146—7)



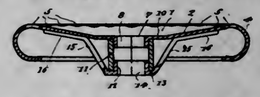
1. In a device of the character described a mandrel, a plurality of sets of radially positioned longitudinal cutting edges fixed thereon, said sets of cutting edges being arranged in juxtaposition longitudinally of the mandrel but relatively staggered circumferentially, the cutting edges of each set being spaced equal distances radially of the mandrel, the radial spacing of the cutting edges of the separate sets progressively decreasing from the first set to the last thereof, and stop members at opposite ends of each cutting edge projecting a slight distance radially outward from said cutting edge.

2,365,359

HANDWHEEL

Maurice M. Rubens, Spokane, Wash., assignor to Spokane Stove and Furnace Repair Works Inc., Spokane, Wash.

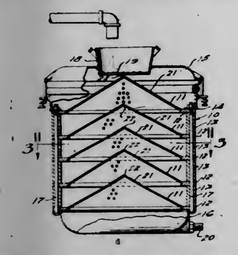
Application October 21, 1943, Serial No. 507,171
2 Claims. (Cl. 74—553)



1. A hand wheel for a valve-stem comprising a body formed of sheet metal and having marginal portions rolled downwardly and inwardly to form a transversely arcuate rim for the wheel having its lower portion projecting inwardly under its upper portion, portions of the body spaced from each other circumferentially thereof being cut out to provide a centrally located hub and spokes extending radially between the hub and the rim with openings between the spokes, there being depending reinforcing lips about margins of the openings to provide the spokes with blunt side edges, the hub portions being formed with a centrally located non-circular opening surrounded by a depending neck, a tube fitting snugly about said neck and extending downwardly therefrom, and a spider having a hub portion and arms extending radially therefrom at an upward incline and having their outer end portions bent to extend flat against under faces of said spokes and welded thereto, the hub portion of the spider being formed with an opening at its center sur-

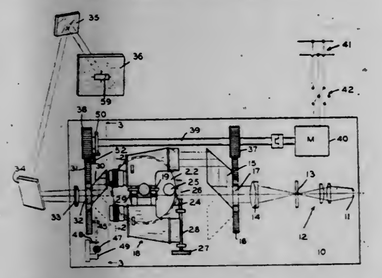
rounded by an upstanding neck fitting snugly into the lower end of said tube, and the tube and the necks cooperating with each other to form a socket for snugly receiving a correspondingly shaped end portion of a valve stem.

2,365,360
FILTER
Claude H. Smith, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application May 11, 1942, Serial No. 442,412
3 Claims. (Cl. 210—149)



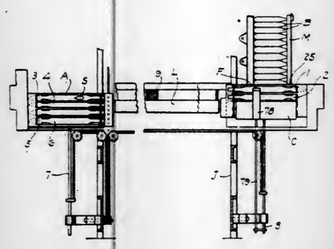
1. In a paint filter, a casing structure having an inlet and an outlet opening for the material to be filtered, a plurality of vertically spaced conical filter elements disposed centrally with respect to said casing and intermediate said inlet and said outlet and arranged with the vertex thereof directed toward said inlet whereby material to be filtered is deposited on the external surface of each element, a support for each of said elements at the perimeter thereof, a spacer disposed between adjacent supports, said spacers and said supports cooperating to form a portion of the outer wall of said casing structure and having openings therein aligned axially with respect to the casing, means in said aligned openings detachably securing said supports and spacers in assembled relation, and means for vibrating said casing and elements axially whereby relatively large particles of paint deposited on said external surfaces are caused to move outwardly with respect to said central point.

2,365,361
OPTICAL APPARATUS
Donald T. Street, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application April 7, 1943, Serial No. 482,140
13 Claims. (Cl. 88—33)



1. An apparatus for aligning the optical systems of pivotally connected body members of a binocular comprising means for fixing one body member against movement with the other body member free to move about the pivotal connection; a collimator; means for illuminating the reticle of said collimator; and means for selectively directing the illuminated image of the reticle of said collimator to the objective of the free body member in alternate positions thereof and to the objective of the fixed body member.

2,365,362
MAGAZINE LOOM WITH FEELER AT THE FRONT OF THE MAGAZINE
Joseph Stuer, Lawrence, Mass.
Application March 5, 1940, Serial No. 322,308
5 Claims. (Cl. 139—233)

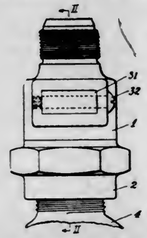


1. The combination in an automatic loom having a stationary magazine carried by the loom body on one side with a plurality of bobbin gideways and with bobbin transfer mechanism cooperating with the magazine, together with a vertically reciprocating shuttle box at each end of the lay and carried thereby, each box having a plurality of shuttle cells, at least two operating shuttles and mechanism to move each shuttle box; the bobbin transfer mechanism including a dog pivoted to a transfer arm with a stop for the dog fixed to the transfer arm, and a bunter carried at the top cell of the shuttle box on the magazine side in a position higher than the dog pivot to engage the free end of the dog, of a feeler slidably mounted on the loom body at the front of the magazine, means to move the feeler in timed relation to the rising and the falling movements of the top cell of the shuttle box on the magazine side; actuating mechanism including a spring to move the transfer mechanism to transferring position which actuating mechanism is held out of action by a trigger arm; and said trigger arm; with connections actuated by and connected to the feeler between the feeler and the trigger arm to release the trigger arm from the actuating mechanism.

2,365,363
COMPOSITION FOR USE IN GRAINING INKS
Raymond A. Swain, Bellevue, Ky., assignor to Interchemical Corporation, New York, N. Y., a corporation of Ohio
No Drawing. Application May 20, 1941, Serial No. 394,285
4 Claims. (Cl. 106—27)

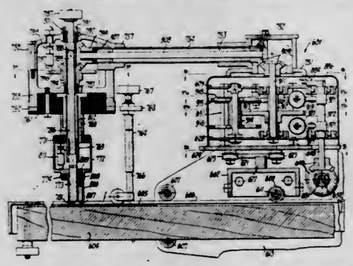
1. A graining ink comprising a vehicle, pigment finely dispersed therein and a hydrocarbon solvent, said vehicle consisting essentially of the esterification product of an aliphatic monohydric alcohol diether having hydrocarbon chains up to four carbon atoms in length and the product obtained by reaction of an acyclic olefinic acid having less than ten carbon atoms in its carbon chain, anhydrides and esters thereof with a drying oil.

2,365,364
OUTLET VALVE
Robert Temple, Pittsburgh, Pa., assignor to Temple Velocity Equipment, Incorporated, Wilmington, Del., a corporation of Delaware
Application June 26, 1943, Serial No. 492,357
12 Claims. (Cl. 169—11)



3. An outlet valve comprising a valve body provided with a passage therethrough, means to connect said valve body to the outlet of a fluid container, said body also having a cutting chamber extending transversely across said passage, a sealing cap for the container outlet disposed in said passage and projecting into said chamber, a cutting member slidably mounted in said chamber at one side of the cap, and explosive means for driving the cutting member across the passage to cut off the cap, said cutting member being provided with an opening therethrough that registers with said passage after the cap is cut off.

2,365,365
CONTOURING MACHINE AND METHOD
Dallas R. Trinkle, Oakland, Calif., assignor to Merco-Trinkle Machine Co., San Francisco, Calif., a corporation of California
Application August 20, 1941, Serial No. 407,670
14 Claims. (Cl. 90—13.5)

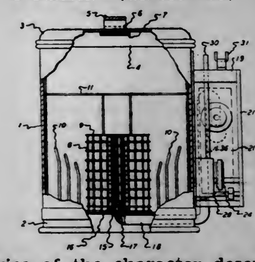


1. In a tracing apparatus, an electrical contouring tracer unit having control means to follow a conducting lay-out line representing the contour of a part, said control means being responsive to conducting contact with said lay-out line to cause a tracing operation, a depth tracer unit having control means to trace from conducting depth line to conducting depth line of a depth lay-out, each of said depth lines corresponding to a contour lay-out line to represent the depth of cut to be made along the corresponding contour line, said depth tracer unit control means being responsive to conducting contact to terminate a tracing operation.

11. A tracing method for a contour which comprises effecting incremental tracing movement of a tracer with respect to a theoretical curved contour line to cause the tracer to follow the line by movement in selected predominant and alternative directions, and controlling said tracer to sense the line from opposite sides thereof in successive octant positions of the line where the change in curvature requires a change in said predominant and alternative directions.

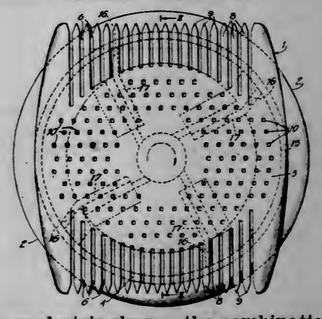
2,365,366
WITHDRAWN

2,365,367
DISHWASHER
George A. Vandercook, Jackson, Mich.
Application September 2, 1942, Serial No. 456,997
3 Claims. (Cl. 259—95)



1. A device of the character described comprising a liquid holding container having a bottom, a spring loaded check valve at said bottom and communicating with said container, means to intermittently supply air, and means providing a communication between said means and said valve whereby air is directed intermittently into said container through said valve to agitate the liquid in said container, the resistance to opening of the spring loaded valve and the means for intermittently supplying air being such as to cause each charge of air to enter the container substantially instantaneously whereby each charge of air has an explosion-like effect in the liquid to impart to the liquid a surging action.

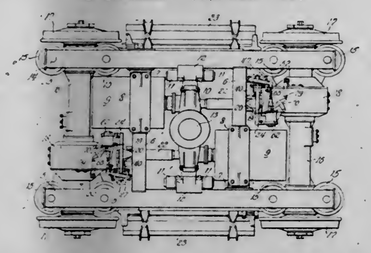
2,365,368
ELECTRIC SHAVER
Jan Verschuyl, Darien, Conn., assignor to Schick Incorporated, Stamford, Conn., a corporation of Delaware
Application March 15, 1944, Serial No. 526,494
7 Claims. (Cl. 30—43)



1. In an electric shaver, the combination of an approximately square shear plate, an inner cutter adapted to rotate about an axis normal to the shear plate and including a plurality of straight cutting edges the outer ends of which describe a circle of a diameter to approach relatively close to the mid-points of each of two opposite parallel

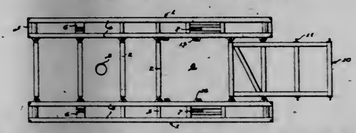
side edges of the shear plate, each of said two edges being slotted throughout its length by a series of parallel slots extending into the face of the shear plate at right angles to the edges and closed at their inner ends, the slots adjacent the said mid-points of the edges being relatively short and the remaining slots being of progressively increasing length outwardly in both directions from said mid-points whereby all of said slots intersect the circle described by the outer ends of said cutting edges, the latter being at such angles relative to radii of said circle that during the rotation of the inner cutter one of said edges passes through a position parallel to the slots when it is between the mid-point and one end of each row of slots and another of said edges passes through a position parallel to the slots when it is between the mid-point and the other end of each row of slots.

2,365,369
TRUCK BRAKE
Alfred O. Williams, Battle Creek, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan
Application September 29, 1943, Serial No. 504,214
9 Claims. (Cl. 188—73)



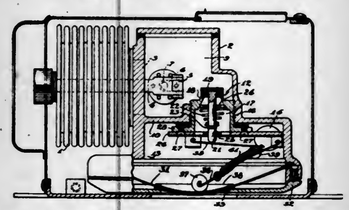
1. In a rail truck having a drive shaft, a brake disc secured to said shaft, brake shoes arranged to engage opposite radial surfaces of said discs, arms providing universal support for said shoes, a pair of shafts spaced laterally of said drive shaft and providing rock shafts for said arms, cam means secured to the upper of said shafts, spring means normally biasing said shafts and arms toward inoperative position, a lever pivotally mounted on one of said shafts and carrying a cam engageable with said cam means to rotate said shafts for applying said brakes, and means including a power-actuated piston for actuating said lever.

2,365,370
MAST BASE
Homer J. Woolslayer, Erwin A. Campbell, and Cecil Jenkins, Tulsa, Okla., assignors to Lee C. Moore & Company, Inc., Pittsburgh, Pa., a corporation of Pennsylvania
Application February 3, 1944, Serial No. 520,840
10 Claims. (Cl. 189—21)



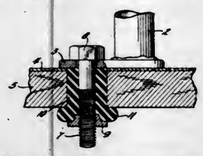
1. A base for oil well masts, comprising a horizontal framework provided at one end with an inwardly extending recess, a separate base section adapted to fit in said recess to complete the base, said section being movable lengthwise of the framework to project it from the recess for increasing the length of the base, and means for detachably connecting said section to the framework in different positions lengthwise of said recess.

2,365,371
FLOW REGULATING VALVE
William P. Yant, Murraysville, and John P. Strange, Wilkinsburg, Pa., assignors to Mine Safety Appliances Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application May 25, 1943, Serial No. 488,372
2 Claims. (Cl. 137—153)



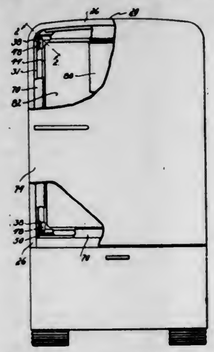
1. An oxygen flow regulating valve for respirators, comprising a valve casing provided with a passage having a seat at its inlet end, a closure member normally engaging said seat, a stem rigidly connected to said closure and extending through said passage, said stem being smaller than said passage whereby it can be canted in the passage, a lever pivoted at one side of the stem and extending across its free end at an inclination thereto, an outer lever pivoted at the opposite side of the stem and overlapping the first lever with the free end of the latter operatively connected to the outer lever at a point close to the pivot of the outer lever, whereby movement of the outer lever towards the passage causes the first lever to tip the stem and push it inwardly of the passage to tilt the valve closure on its seat before pushing it completely off the seat, and a spring connecting the free ends of said levers for biasing them away from said stem.

2,365,372
HOLD-DOWN ATTACHMENT
Everett W. Allen, Birmingham, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application November 12, 1943, Serial No. 509,993
6 Claims. (Cl. 45—137)



2. In combination, a base panel having an opening therethrough, a bushing of rubber or the like preformed initially of a diameter to pass freely through said opening and of a length greater than the thickness of the panel at said opening so as to project therebeyond when inserted in the opening, an attachable member to be secured to the base panel affording a seating for the outer end of the bushing, a nut engaging the inner end of the bushing and being of smaller size than the opening for passage therethrough and an adjustable stud securing the nut to the member and being adjustable from the member side of the base panel to draw the nut toward said member and thereby crowd the projecting inner end portion of the bushing and deform the same as an enlarged retaining collar of a diameter greater than the diameter of said opening and bearing on the inner side of said base panel.

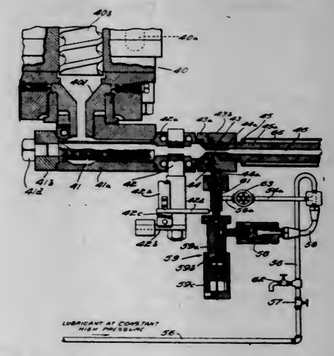
2,365,373
REFRIGERATING APPARATUS
George M. Armstrong, Grand Rapids, Mich., assignor to Nash-Kelvinator Corporation, Detroit, Mich., a corporation of Maryland
Application August 1, 1941, Serial No. 404,995
4 Claims. (Cl. 220—15)



1. In a refrigerator cabinet construction the combination with a casing and liner disposed within the casing, said casing and liner forming a substantially rectangular food compartment having a rectangular access opening at the front of the cabinet, said casing and liner having edge portions bent at an angle thereto and forming flanges which flanges extend toward each other in spaced relation and substantially surrounding said access opening, gusset members extending across the corners of said casing and secured to the flanges thereof, ears extending across the corners of the liner and secured to the flange of the liner and each ear being disposed across the face of a gusset, means for connecting the ears and gussets together for supporting the liner within the casing, and angular brackets disposed at the corners of the liner and secured to the outer wall thereof to the rear of said flanges, said brackets extending laterally from said liner into engagement with and secured to said ears substantially centrally of said ears for reinforcing the ears and flange of said liner.

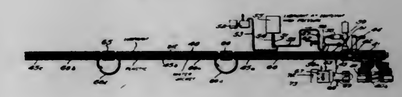
2,365,374
METHOD OF SHAPING PLASTICS BY EXTRUSION
James Bailey, West Hartford, Conn., assignor to Plax Corporation, Hartford, Conn., a corporation of Delaware
Application April 23, 1941, Serial No. 389,911
8 Claims. (Cl. 18—12)

1. The process of shaping solvent-free organic plastic material by extrusion thereof through a die of substantial length which comprises heating the material to a moldable condition, continuously forcing a stream of the heated material into said die and causing the material to assume the shape of the die by continuously applying pressure to said material, and maintaining between said material and said die throughout the length of the latter a continuous film of liquid lubricant substantially immiscible with said material by maintaining a source of supply of the lubricant at a pressure greatly in excess of the pressure applied to the material and continuously feeding said lubricant from said source of supply through a throttled passage into the die and about the material therein at such a rate per unit area of



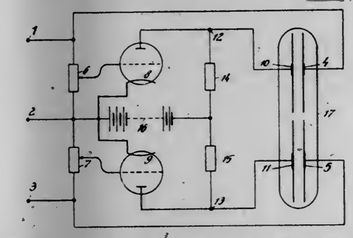
shape extruded per unit of time that the lubricant flows through the die in the form of a film on the die surface, while maintaining the lubricant in the passage substantially unyielding, whereby, in the event of sudden increase in the pressure in the plastic material in the die, back flow of the lubricant is prevented.

2,365,375
METHOD OF SHAPING PLASTICS BY EXTRUSION
James Bailey, West Hartford, and Raymond S. Jesionowski, Hartford, Conn., assignors to Plax Corporation, Hartford, Conn., a corporation of Delaware
Application April 23, 1941, Serial No. 389,912
3 Claims. (Cl. 18—12)



1. In the process of shaping organic plastic material by first placing material in a stuffer and then forcing the material through the stuffer into and through a die, the steps which comprise injecting a shot of lubricant into the die at the end thereof into which the material issues, starting the stuffer and continuing its operation until the pressure of the stuffer on the plastic material has increased to a predetermined amount, then permitting the plastic to flow from the stuffer into the die while also permitting a reduced flow of lubricant into and through the die around the plastic material as the material issues into the die, this operation being continued until a continuous stream of plastic material has formed in and issues from the die, gradually applying back pressure to the material issuing from the die, and gradually reducing the flow of lubricant through the die until the die is substantially filled with plastic material surrounded by a thin film of lubricant, and finally maintaining the flow of lubricant through the die at a predetermined minute volume per unit of area of the extruded shape which is extruded from the die per unit of time.

2,365,376
LEVELING THE CHARACTERISTIC OF PHOTOGRAPHIC EMULSIONS
Carlheinz Becker, Berlin-Wilmersdorf, Germany; vested in the Alien Property Custodian
Application August 23, 1940, Serial No. 353,974
In Germany December 9, 1938
5 Claims. (Cl. 179—100.3)

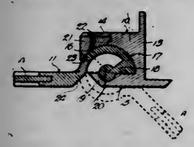


1. The method of compensating for the non-linear density characteristic curve of photographic film when recording half-wave intensity records by apparatus including a Kerr cell, having a pair of plates mounted rigidly in accurately placed parallelism, which method comprises impressing a portion of the operating voltage applied to the plates of the cell as a negative bias on the grid of an electron tube having an exponential characteristic, and adding the anode voltage of said tube to the operating voltage of the cell.

2,365,377
METHOD OF STABILIZING CARBONYL CONTAINING MOTOR FUELS
Richmond T. Bell, Deerfield, Ill., assignor to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
No Drawing. Application October 15, 1941, Serial No. 415,065
18 Claims. (Cl. 44—66)

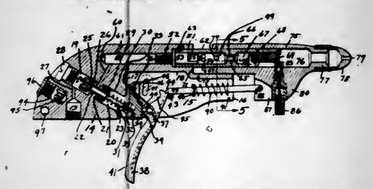
1. A motor fuel comprising a major portion of hydrocarbons boiling within the gasoline boiling range, a minor but sufficient amount of a metal carbonyl compound to raise the anti-knock rating of the motor fuel and a phosphatide in an amount at least approximately equal in weight to the metal present as carbonyl compound.

2,365,378
HINGE
Ernest H. Benson, Kansas City, Mo.
Application March 4, 1944, Serial No. 524,988
3 Claims. (Cl. 16—171)



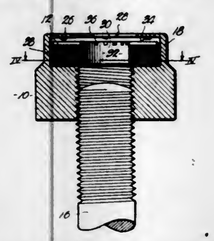
1. A hinge comprising interfitting stationary and movable parts; the former having a channel formed with a longitudinal groove and an arcuate face concentric to the groove; the latter provided with a transversely curved flange extending into said channel and positioned so that the distal portion of its outer surface is slidably supported by the arcuate face of the stationary part, and a radial rib extending inwardly from the flange with its free edge seated in the longitudinal groove; and a strip removably attached to the stationary part having an arcuate surface concentric to said groove on the same radius as the channel face and positioned to slidably support the proximal portion of the outer face of the flange.

2,365,379
ACETYLENE TORCH
Donald H. Black, Salem, Oreg.
Application July 13, 1942, Serial No. 450,740
2 Claims. (Cl. 67—20.1)



1. A torch of the class described consisting of a body member having a counter bored opening formed longitudinally therein, a gas tube projecting from said opening and sealed to said body member, a gas mixing tube mounted on said gas tube extending into said counter bored opening, said gas mixing tube having a Venturi opening therein, and a torch end slidably mounted on said gas mixing tube provided with a torch tip and igniting mechanism in the form of a flint and striker, the former being held by said torch end, and the latter by said gas tube.

2,365,380
STOP NUT
Samuel Bloomfield, Wichita, Kans.
Application September 10, 1943, Serial No. 501,829
9 Claims. (Cl. 151—7)

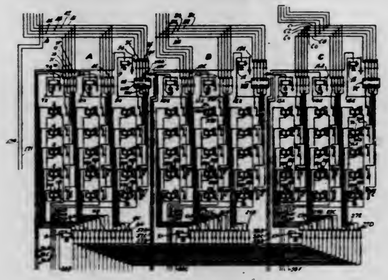


8. A stop nut for bolts of conventional character, comprising a body having a threaded opening therethrough; a recess formed in the body and circumscribing the opening at one side of the body; a collar of rigid fibrous material confined within the recess with the inside wall thereof substantially in alignment with the inner edges of the threads of the body opening; detents on the body and said collar to prevent relative movement of the body and collar about the axis of the bolt when the body is being moved to the operative position and as threads are being cut in the inner face of the collar; and an anti-friction face of small area on the collar and in engagement with the proximal face of the body.

2,365,381
CALCULATING AND PRINTING MACHINE
Charles P. Boberg, Chicago, Ill., assignor to Addressograph-Multigraph Corporation, Wilmington, Del., a corporation of Delaware
Application November 27, 1939, Serial No. 306,408
In Great Britain December 5, 1938
9 Claims. (Cl. 235—61.6)

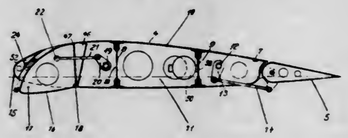
1. In a calculating machine including a plurality of accumulators each operable to compute

the algebraic sum of a plurality of amounts, the combination of a plurality of groups of settable storage devices, each of said groups of storage devices being allocated to a separate one of said accumulators, the devices in each group operating when set to store the respective amounts entering into the addition to be performed by the corresponding accumulator, setting means common to all of said storage groups and operable when connected to the storage devices of a group to concurrently set the same in arrangements of numerical significance, means for operatively connecting said setting means to the storage devices group by group in cyclic succession to enable said setting means to set the devices in each storage group in accordance with the amounts entering into the addition to be performed by the respec-



tive accumulator, and cyclically operable means for successively connecting the devices in each storage group in operative relation to the corresponding accumulator for controlling the additions to be performed by said accumulator and operating to connect certain of the devices in one group to the corresponding accumulator upon setting of the devices in such group by said setting means and connecting other of the devices in said one group to the corresponding accumulator upon setting of the devices in other of the groups, whereby at least some of the devices in each group function to control their addition after the common setting means has been transferred into controlling relation to another group of said devices.

2,365,382
AIRCRAFT PLANE
Ludwig Bölkow, Augsburg, Germany; vested in the Alien Property Custodian
Application July 30, 1941, Serial No. 404,695
In Germany August 2, 1939
13 Claims. (Cl. 244—42)

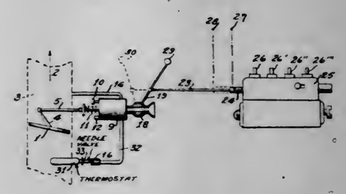


1. An aircraft plane, comprising in combination a main plane, a wing nose pivoted to said main plane, an auxiliary front wing movably connected to the front face of said wing nose, means for swinging said wing nose for varying the camber of the plane, and means for selectively spreading said front wing from the front face of said wing nose to form a slot between said front wing and said wing nose.

2,365,383
DRILLING MUD
Donald C. Bond, Northbrook, Ill., assignor to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
No Drawing. Application June 9, 1943, Serial No. 490,191
18 Claims. (Cl. 252—8.5)

1. In the drilling of earth bores the step of circulating through the bore during the drilling operation a mud containing positively charged suspended mineral particles to which the positive charge has been imparted by soluble salts of metals, selected from the group consisting of aluminum, thorium, cerium and lanthanum.

2,365,384
PNEUMATIC SPEED REGULATOR FOR ENGINES
Claude Etienne Bonnier, Neuilly-sur-Seine, France; vested in the Alien Property Custodian
Application March 26, 1942, Serial No. 436,355
In France April 1, 1941
7 Claims. (Cl. 123—103)

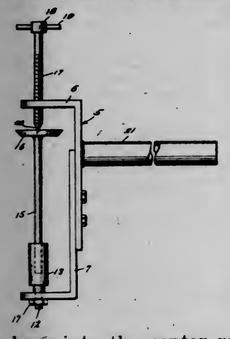


5. In a control device for combustion engines, a carburetted air admission piping for the engine, a throttle mounted in said piping to cause the carburetted air supply to vary, a manometric relay for actuating this throttle, the said relay comprising a casing divided into two chambers by an organ sensitive to pressure variations which is connected to the said throttle, a calibrated pipe for connecting the said piping beyond the throttle to that one of the chambers of the said casing in which the partial vacuum brings about the opening of the throttle by means of the said organ, a resilient retracting means tending to close the throttle, a narrow calibrated orifice for connecting the said chamber of the said casing with the atmosphere, another orifice for connecting the said chamber with the atmosphere, this last mentioned orifice being provided with a valve actuated at will and a calibrated orifice for connecting the other chamber of the said casing with the atmosphere.

2,365,385
VALVE HOLDER
Frank D. Booth, Cherokee, Iowa
Application May 29, 1943, Serial No. 489,052
2 Claims. (Cl. 51—217)

1. A hand tool for holding an internal combustion engine poppet valve and presenting it to a cleaning element, comprising a U-frame having a relatively long intermediate portion and relatively short upper and lower end legs, a handle rigid with and projecting from said intermediate portion in a direction opposite to that in which the legs project, said legs being spaced apart for a distance greater than the length of the valve, a socket fixed to and projecting upwardly from the lower leg and adapted to receive the free end portion of the stem of the

valve, and a clamping screw threaded through the upper leg and having a pointed lower end

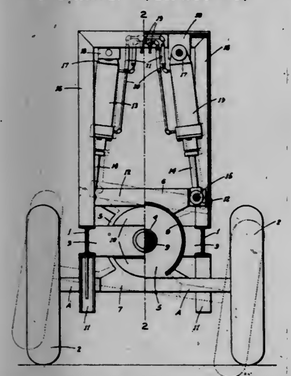


arranged to bear into the center recess of the head of the valve.

2,365,386
MAGNESIUM PRODUCTION
Robert A. Boyer, Dearborn, and Elbert E. Ensign, Ypsilanti, Mich., assignors to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
No Drawing. Application September 12, 1942, Serial No. 458,128
12 Claims. (Cl. 75—67)

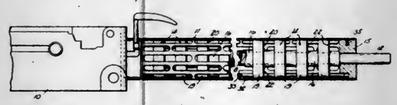
1. In the process for the production of metallic magnesium, a charge comprising magnesium bearing ore, ferrosilicon and a catalyst, said catalyst being one of aluminum oxide, beryllium oxide, ceric oxide, titanium dioxide and zirconium oxide, said charge subjected to a temperature of greater than 2,100° F. at a pressure of less than 1,000 microns.

2,365,387
LEVELING CONTROL FOR IMPLEMENTS
Ernest V. Briscoe, Kerman, Calif.
Application July 14, 1941, Serial No. 402,320
9 Claims. (Cl. 280—6)



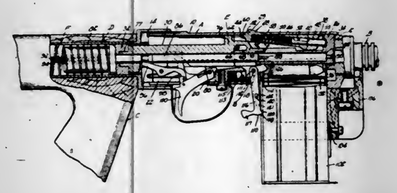
1. A leveling control for a wheel supported implement frame having an axle extending transversely therebelow, said control comprising a vertically disposed rotary mount comprising longitudinally spaced plates mounted in rigid assembly, the frame having spaced cross beams, said assembly engaging therebetween in movable relation, a king pin connecting between said cross beams and on which said assembly is turnably mounted, means mounting the axle in rigid connection with said assembly below said cross beams, and power means connected with said assembly to turn the latter on said pin.

2,365,388
MACHINE GUN AIR COOLING MEANS
Val A. Browning, Ogden, Utah, assignor to J. M. & M. S. Browning Company, Ogden, Utah, a corporation of Utah
Application October 29, 1940, Serial No. 363,262
6 Claims. (Cl. 89—14.1)



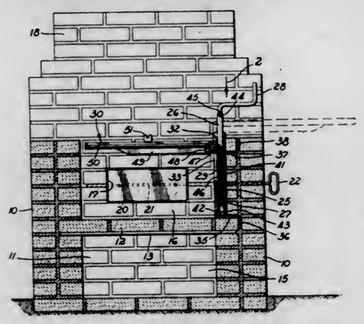
1. A machine gun barrel structure comprising a barrel, a plurality of longitudinally spaced apart heat radiating flanges fixed to the barrel and in intimate heat contact therewith, a plurality of air agitating plates interposed between said flanges, and means supporting said plates for movement relative to one another and relative to said flanges whereby when the gun is fired said plates are set in rapid motion to cause deflection of the air from the spaces between said flanges.

2,365,389
FIREARM
Marriner A. Browning, Ogden, Utah, assignor to J. M. & M. S. Browning Company, Ogden, Utah, a corporation of Utah
Application November 4, 1941, Serial No. 417,753
10 Claims. (Cl. 42—3)



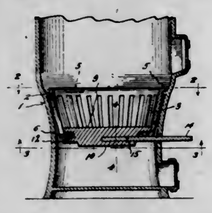
1. In a firearm, a receiver having a stop shoulder, a recoil mass mounted for sliding movement in the receiver and comprising a plurality of parts, one of which being a breech block adapted to close the firing chamber and another part being an extension block adapted to separate slightly from the breech block upon recoil, a recoil spring normally urging said parts into engagement with one another and said breech block into breech closing position, a locking block carried by said breech block for pivotal and longitudinal movements relative thereto and having a locking shoulder engaging said stop shoulder when the breech block is in breech closing position, a cushioning spring between said locking block and breech block and normally urging the locking block rearwardly of the breech block, and means on the extension block for holding the locking block in stop shoulder engaging position when the extension block is in foremost position, said means being released from said locking block when said extension block separates from said breech block upon recoil when the gun is fired.

2,365,390
ADJUSTABLE FRAME FOR BARBECUE STRUCTURES AND THE LIKE
Robert M. Burmeister, Pasadena, Calif., assignor to Universal Buyers, Inc., Los Angeles, Calif., a corporation of California
Application October 25, 1941, Serial No. 416,492
7 Claims. (Cl. 126—25)



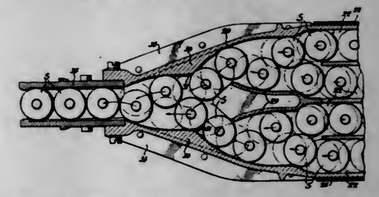
1. In a barbecue structure, the combination of: walls forming an open-top firebox and a well communicating with the interior of said firebox through an upright slot; an upright shaft mounted in said well with an upper portion of the shaft extending above the well and above the level of the firebox, said shaft being formed with screw threads and being adapted for manual rotation; a support for food products normally positioned in said firebox, said support having a portion normally extending through said slot into said well and being rotatably mounted on said shaft in engagement with said screw threads, whereby the support may be raised to said upper portion of the shaft by rotation of the shaft and then swung about the shaft away from the firebox.

2,365,391
BASKET GRATE FOR STOVES
Samuel A. Burnett, Ottumwa, Iowa
Application October 27, 1943, Serial No. 507,848
2 Claims. (Cl. 126—170)



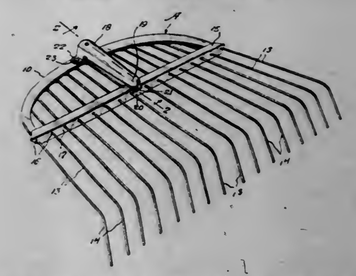
1. In a device of the class described, the combination of a basket provided at its lower edge with a continuous inwardly directed solid annular flange, said flange being inwardly and upwardly inclined or bevelled on its inner face, a grate resting on said solid annular flange, said grate being provided with a spur spaced below the upper surfaces of the grate, said spur having its top downwardly and outwardly bevelled, whereby said spur can slide along said bevelled portion of said flange and be positioned under said flange, and a shaker on said grate and coacting with the under-side of said continuous annular flange to hold the grate in position on said flange.

2,365,392
MAGAZINE FOR FIREARMS
Floyd A. Cooley, Detroit, Mich., assignor to Ternstedt Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application April 13, 1942, Serial No. 438,765
7 Claims. (Cl. 89—34)



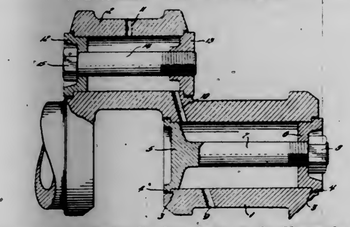
4. A cartridge magazine for guns comprising oppositely located side plates one having a plurality of grooves along which the head ends and the other having a plurality of grooves along which the bullet ends of cartridges move, and a cam throat portion with which all of said grooves communicate and through which cartridges pass to the receiver of a gun; means associated with said cam throat portion for combining the cartridges of said several rows into a single column moving toward the receiver aforesaid; a movable member within the magazine; a spring acting upon said movable member to force said several rows of cartridges through the magazine; a fixed abutment against which said spring acts; and a plurality of independently yieldable spring devices associated one with each row of cartridges and with said movable member, and through which spring devices pressure is transmitted to said several rows.

2,365,393
RAKE
William Connolly, Farley, Iowa
Application May 10, 1943, Serial No. 486,357
1 Claim. (Cl. 56—400.17)



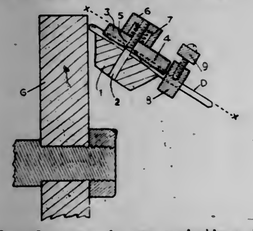
A rake of the kind described, comprising a head having an outwardly arched crown piece folded on itself throughout its length, a straight substantially L-shaped reinforcing angle bar crosswise of the crown piece with one angular portion thereof overlying the ends of the said piece, and the other angular portion of such bar projecting beyond one side of the head, tines anchored in the folds of the crown piece and threaded through the projected angular portion of the bar, and a single piece tapered tubular socket member centrally bridging the crown piece and bar and having outturned ears on opposite sides at its larger end secured to the said crown piece, and also provided with bendable tongues on opposite sides at the smaller end, threaded through the said bar and hooked thereover.

2,365,394
CRANKSHAFT
Carmer Criswell, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application October 16, 1943, Serial No. 506,483
7 Claims. (Cl. 74—596)



1. In a crankshaft having a hollow bearing portion, seating faces at opposite sides of the hollow bearing portion, pressure exerting heads fitted to said seating faces and a tensionable bolt extending axially through the hollow bearing portion to connect said heads and exerting sufficient pull on the heads to pre-compress the metal of the bearing portion a sufficiently large amount to increase the fatigue resistance thereof.

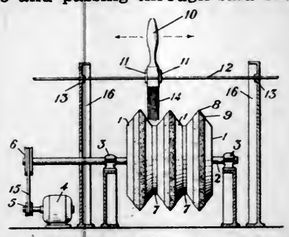
2,365,395
HOLDER FOR USE IN REPOINTING TWIST DRILLS
David Crowther, Minneapolis, Minn.
Application October 30, 1943, Serial No. 508,432
4 Claims. (Cl. 51—219)



1. A holder for use in re-pointing twist drills comprising a cone-shaped member of wear resistant material, a block containing at least one longitudinal groove, and means for clamping the drill in the groove between the block and the larger end of the cone-shaped member in such position that when the drill is placed adjacent to a grinding device the cutting lips of the drill may be ground down to the angle of inclination of the cone-shaped member and the distance of said groove from the axis of the cone-shaped member being such that the heel portions of the drill may be ground down at an angle determined by said distance.

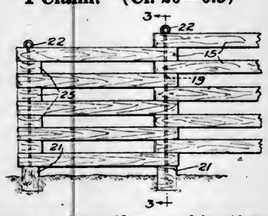
2,365,396
TAPER GRINDING OF ARTIFICIAL FILAMENTS
Francis Graham Cunningham, Verona, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application September 2, 1943, Serial No. 500,922
11 Claims. (Cl. 51—92)

1. An apparatus for taper grinding brushes bristled with artificial filaments, said apparatus comprising a rotatably mounted shaft, means for rotating said shaft, a crown disc axially mounted on said shaft to rotate therewith, said crown disc having an included apex angle of 60°–80°, an abrasive coating extending part way down each slope of said disc from the apex, and means for holding a brush with its longitudinal axis at right angles to said shaft and in a plane parallel to and passing through said shaft, with



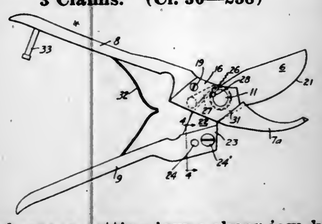
the brush bristles extending toward said shaft and beyond said abrasive coating on said crown disc, said means being slidable parallel to said shaft.

2,365,397
PICKET FENCE CONSTRUCTION
Leonard L. Dickman, Pasadena, Calif.
Application August 14, 1941, Serial No. 406,740
1 Claim. (Cl. 20—0.5)



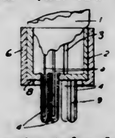
In a wall structure the combination of a plurality of bar elements disposed in concatenated groups, each of said groups comprising a plurality of substantially parallel spaced bar elements, said bar elements having aligned transverse holes adjacent the ends thereof, the end portions of the bar elements of adjacent groups being over-lapping to align the holes of the bar elements of the said adjacent groups and means to inter-engage the bar elements of adjacent groups comprising a rod extended through said aligned holes, supporting means for each of said rods at an end thereof and abutment means at the opposite end thereof, the bars of selected groups being of a length different from that of bars of other of said groups, and said supporting means being embedded in the ground.

2,365,398
PRUNING SHEARS
Stipan A. Drmic, Watsonville, Calif.
Application April 26, 1943, Serial No. 484,522
3 Claims. (Cl. 30—258)



1. In shears, a cutting jaw, a shear jaw, handles fixed on each jaw, a pivot pin connecting the jaws, and a beveled edge wear plate, the shear jaw having a recess with undercut edges to receive the wear plate and located adjacent the pivot pin on the handle side thereof.

2,365,399
CAPPING ARRANGEMENT FOR ELECTRONIC VALVES
Bernhard Erber, London, England
Application November 25, 1942, Serial No. 466,839
In Great Britain March 16, 1942
9 Claims. (Cl. 250—27.5)

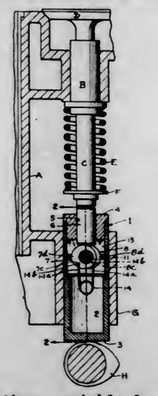


1. For an electronic tube having leading in wires, a cap comprising a side wall and a bottom, contacts on said cap adapted to be connected with said leading in wires, and incisions in the side wall and in the bottom of said cap, extending from the open end of the cap longitudinally of said cap to its bottom and across said bottom to one of said contacts.

2,365,400
HEAT-STABILIZED HIGH-POLYMER HALOGEN-CONTAINING PRODUCTS
Hans Fikentscher, Ludwigshafen-on-the-Rhine, Germany; vested in the Alien Property Custodian
No Drawing. Application April 19, 1941, Serial No. 389,417. In Germany January 2, 1940
3 Claims. (Cl. 260—88)

3. Halogen-containing high-polymeric substances selected from the class consisting of chloro-rubber, chlorinated butadiene rubber, polyvinyl chloride, chlorinated polyvinyl chloride, and polyas-dichlor ethylene; containing an addition of from 0.1 to 1 per cent of sodium carbonate and of from 0.01 to 5 per cent of a member of the group consisting of diphenyl-, dinaphthyl-, ditolyl- and dichlordiphenylthiourea, the amount of such last mentioned compound being so proportioned with respect to the amount of sodium carbonate as to render said high polymeric substance stable in the heat.

2,365,401
TAPPET
John Edwin Fisk, South Euclid, Ohio
Application September 17, 1943, Serial No. 502,784
6 Claims. (Cl. 123—90)

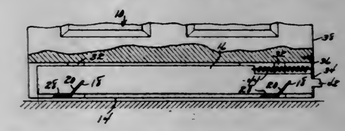


2. A self-adjusting variable length device for spaced parts comprising a body, arranged for movement in a guide between the parts, a cross pin carried by the body, a pair of circular wedges suspended for pendulous motion on said pin to cause a change in the length of the device, means to cause relatively opposed pendulous motion of said wedges in one direction and other means for causing relatively opposed pendulous motion of the wedges in an opposite direction.

2,365,402
TEXTILE PROCESS AND PRODUCT
Robert N. Foster, Anniston, Ala., assignor to Monsanto Chemical Company, a corporation of Delaware
No Drawing. Application November 28, 1940, Serial No. 367,575
19 Claims. (Cl. 28—72.6)

1. A method of processing textile warp yarns comprising treating said yarns with a colloidal solution of a phosphate of the composition: $K_mNa_{(6-m)}(PO_3)_6$ in which m has a value of from 2 to 1, to apply a size thereon, weaving said yarn on a loom to produce woven goods, treating said goods subsequently with water containing calcium and magnesium hardness, whereby said calcium and magnesium hardness is rendered innocuous by reaction with said size, and the size simultaneously removed from said warp yarn.

2,365,403
DOOR SEAL
Everett H. Galford, Charleston, W. Va.
Application March 19, 1943, Serial No. 479,765
2 Claims. (Cl. 20—68)

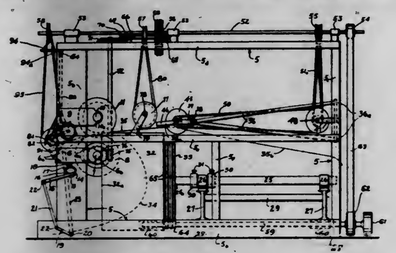


2. A door provided in its lower edge with a groove, a sealing plate located in said groove and provided with slots inclining upwardly from its lower edge, the groove being slightly greater in width than the thickness of the sealing plate, wings located in said groove and extending entirely across the same, the wings being inclined similar to and fitting in said slots to support the sealing plate for angular downward or upward movement with relation to the lower edge of the door, relatively spaced ears on the lower ends of the wings secured to the lower edge of the door, the ears of each wing being located at opposite sides of said groove to permit the passage of the sealing plate between the same, means acting on the sealing plate during the closing of the door to effect the downward movement of the sealing plate, and means acting on the sealing plate during the opening of the door to effect the upward movement of the sealing plate.

2,365,404
TIRE SPLITTING MACHINE
Lee B. Gamel, Lemay, Mo.
Application April 1, 1944, Serial No. 529,218
12 Claims. (Cl. 164—61)

1. In a machine of the kind described, a supporting frame comprising frontal and rear portions, a drive shaft extended medially and longitudinally through the rear portion of the frame adjacent the base thereof and journaled in bearings supported upon the frame, a cylindrical hollow knife rigidly and concentrically mounted upon the forward end of the drive shaft, the for-

ward annular edge of the knife being sharpened, an ellipsoidal feed roller journaled transversely of the forward end of the frame and forwardly of the said cylindrical knife, the peripheral surface thereof being convexed from end to end on planes passed through the axis thereof, the convexed curvature of the roller from end to end corresponding with the annular curvature of the cutting edge of the knife, the positioning of the feed roller relative to the knife being such that the uppermost point of the cutting edge of the knife will fall slightly above a straight horizontal line extended perpendicularly to a vertical plane passed through the axis of the roller and tangent to the



uppermost point of the convexed surface thereof and rearward of the said vertical plane extended through the axis of the roller, a press roller journaled transversely of the frame above the feed roller with its axis in the said vertical plane of the axis of the feed roller, the said press roller being solid from end to end upon and around its superficial portions, and circumferentially concaved from end to end on planes passed through its axis, means for rotating the said cylindrical knife, and means for rotating the said feed roller to draw the work through between the feed and press rollers and present same to the rearwardly positioned cylindrical cutting knife.

2,365,405

PLASTIFYING OF SYNTHETIC RUBBER

Erich Gartner, Cologne-Mulheim, and Albert Koch, Cologne-Dunnwald, Germany; vested in the Alien Property Custodian

No Drawing. Application August 14, 1940, Serial No. 352,520. In Germany August 23, 1939

5 Claims. (Cl. 260—86.5)

2. A plastic composition resistant to loss of plasticity which comprises from 1 to about 3% of an anhydroformaldehyde-arylamine and the plastic polymerisates obtained by subjecting synthetic rubber-like emulsion polymerisates selected from the group consisting of polymeric butadiene-1:3-hydrocarbons and mixed polymerisates of butadiene-1:3-hydrocarbons with styrene, to an oxidizing treatment in the presence of free oxygen and antioxidants at an elevated temperature.

2,365,406

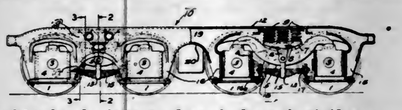
RAILWAY TRUCK

Thomas R. Gilchrist, Yeadon, and William E. Burdick, Springfield, Pa., assignors to General Steel Castings Corporation, Granite City, Ill., a corporation of Delaware

Application May 25, 1942, Serial No. 444,330

9 Claims. (Cl. 105—183)

1. In a railway truck, spaced wheeled axles with journal boxes, a truck frame including a wheel piece extending over said journal boxes and having an inverted U-shaped cross section between said boxes and having depending pedestal legs at the sides of said boxes, and means supporting said frame on said boxes comprising an equalizer extending between and resting on said boxes, helical spring structure carried by said equalizer intermediate its ends and housed



in said wheel piece and seated against the upper wall thereof to support the frame, and leaf spring structure with its center supported from said equalizer and with its ends having supporting engagement with said pedestal legs.

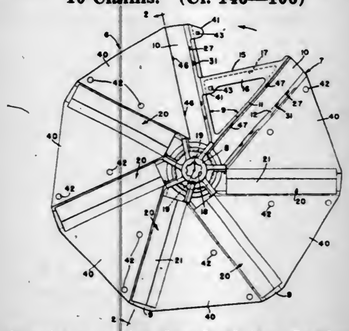
2,365,407

CUTTERHEAD

Stanley E. Hill, East Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois

Application January 9, 1942, Serial No. 426,193

10 Claims. (Cl. 146—106)



1. A rotary cutter head of the flywheel type comprising a central hub, a plurality of knife supporting arms extending outwardly therefrom and rigidly connected thereto, a pan member fixedly supported on each arm and extending to the adjacent arm, the edge of said pan member being adjustable axially relative to said adjacent arm, and means for fixing said pan members to said arms in any position of axial adjustment.

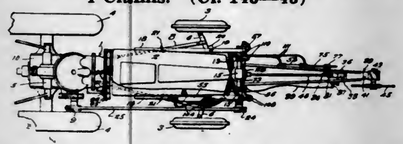
2,365,408

SAW EQUIPMENT FOR TRACTORS

Laurence D. Hillyer, Alice, Tex.

Application March 5, 1943, Serial No. 478,137

4 Claims. (Cl. 143—43)



2. The combination with a tractor having a power take-off, of a main frame vertically disposed in front of the tractor and mounted thereon, a crane extending forwardly from said frame, means pivotally mounting the rear end of said crane in said frame for swinging movement laterally and adjustment vertically comprising a rack frame mounted in said main frame for oscillation about a vertical axis and including vertical rack bars, and a frame-carrying carriage vertically adjustable on said rack bars.

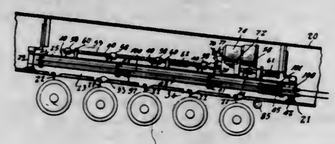
2,365,409

BOMB RACK

Dave E. Hoffman, Los Angeles, and Gordon Throne, Venice, Calif., assignors to North American Aviation, Inc., Inglewood, Calif., a corporation of Delaware

Application February 9, 1942, Serial No. 429,980

6 Claims. (Cl. 89—1.5)



1. A device of the type described comprising a plurality of bomb-control mechanisms movable between hold and release positions, respectively, safety means movable between safe and ready positions, respectively, for locking said bomb-control mechanisms in hold position when said safety means is in safe position and being out of operative relation with said bomb-control mechanisms when in said ready position, a firing mechanism including a plurality of members, one associated with each of said bomb-control mechanisms and movable between a first, normal position in which it maintains the associated bomb-control mechanism in hold position independently of the safety mechanism associated therewith and a second position out of operative relation with said bomb-control mechanism, means including electric motor means for moving said firing means from said first to said second positions to release said bomb-control mechanisms, an energizing circuit for selectively energizing said electric motor means, safety switch means connected in series in said energizing circuit, and means for maintaining said switch in open condition while said safety mechanism is in its safe position.

3. A device of the type described, comprising a bomb-control mechanism movable between hold and release positions, respectively, a safety member movable between safe and ready positions, respectively, and engaging said bomb-control mechanism and retaining it in hold position when the safety member is in safe position, a release mechanism including a release member movable between a first, normal position in which it engages said bomb-control mechanism and retains it in hold position, and a second position clear of said bomb-control mechanism, electrically actuated means for shifting said release mechanism into its release position, an energizing circuit for said electrically actuated means, a safety switch in said energizing circuit, and means for maintaining said safety switch in open condition while said safety member is in its safe position, whereby said release mechanism cannot be actuated into its second position while said safety member is in safe position.

2,365,410

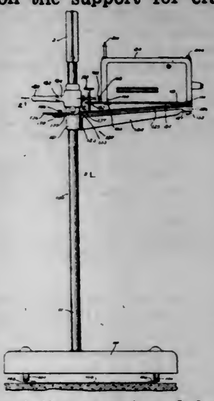
HEADLIGHT TESTING APPARATUS

Herbert G. Holmes, Lansing, Mich., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware

Original application March 3, 1941, Serial No. 381,455. Divided and this application July 15, 1942, Serial No. 450,999

19 Claims. (Cl. 248—125)

1. A stand comprising a mount, a support movable relative to said mount, and means for adjusting the support with respect to said mount including a member to engage said mount, and an actuator on the support for cramping said



member against the mount and for moving the support relative thereto.

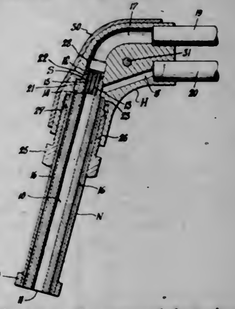
2,365,411

DESEAMING APPARATUS

Wilgot J. Jacobsson, Plainfield, N. J., assignor to Union Carbide and Carbon Corporation, a corporation of New York

Application July 24, 1940, Serial No. 347,196

8 Claims. (Cl. 158—27.4)



1. A deseaming nozzle comprising, in combination, a generally tubular body member having a central oxygen passage with a delivery portion of substantially uniform cross-section from end-to-end, and a plurality of heating gas passages surrounding said oxygen passage in spaced relation thereto; and a spud disposed within said oxygen passage adjacent the inlet end of said delivery portion and having a plurality of spaced symmetrically arranged passages each of considerably greater length than diameter, parallel to said oxygen passage and extending through said spud, for increasing the slag removal efficiency of the oxygen stream discharged by said oxygen passage.

2,365,412

PRIME MOVER CONTROL SYSTEM

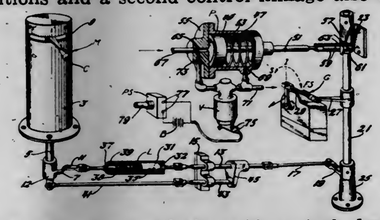
Russel G. Janes, La Grange, Ill., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application January 29, 1943, Serial No. 473,941

10 Claims. (Cl. 123—98)

1. A control system for a prime mover comprising a manually operable prime mover con-

trol element movable between stop, idle and full-speed control positions, resiliently extensible control linkage connected to and movable without extension thereof by movement of said control element between the idle and full speed control positions and a second control linkage also con-



nected to and movable by said control element into operable contact with said first mentioned control linkage to cause extension of a portion thereof only upon movement of said control element from the idle to the stop control position to oppose such movement of said element.

2,365,413

PROCESS FOR DEHYDROGENATION OF GASEOUS AND LIQUID HYDROCARBONS

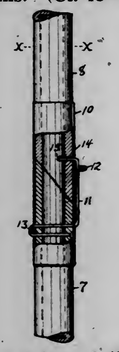
Herman B. Kipper, Accord, Mass.
No Drawing. Application August 3, 1942, Serial No. 453,483
4 Claims. (Cl. 260—683.3)

1. In a process for the pyrolytic dehydrogenation of liquid petroleum hydrocarbons, the step of conducting the said dehydrogenation in an atmosphere of nitrogen and with the use of a mixture of copper, iron and lead chromates as catalysts suitably supported as by asbestos fibre and at temperatures of from 350 to 800 degrees and at pressures from subatmospheric to 1000 pounds.

2,365,414

FISHING APPARATUS

Edward H. Kruse, Fort Wayne, Ind.
Application August 20, 1942, Serial No. 455,473
2 Claims. (Cl. 43—18)

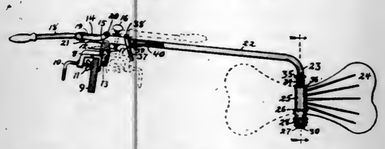


1. In fishing apparatus of the pole and line type, a pole having separable abutting sections provided with encompassing ferrules for the abutting ends of said sections, and a fastener secured in connection with each ferrule and end portion of one corresponding section, each fastener being of spring metal and having a loop formed in a medial portion thereof to provide a line guide and terminating with a bent portion constituting a latch that extends through an opening in the ferrule into the end portion of the other abutting pole section, wherefore to secure said sections together, said loop having opposing shoulders at the terminals thereof that have contact with each other when the latch is in engaging position to confine a line within the guide opening, and which are held spaced apart to permit insertion into or withdrawal from the guide opening of a medial portion of said line when the latch is withdrawn from its normal engaging position and sprung laterally thus to open said loop.

2,365,415

SCULL FOR BOATS

Edward H. Kruse, Fort Wayne, Ind.
Application May 8, 1944, Serial No. 534,551
8 Claims. (Cl. 9—24)



1. A scull for propelling a boat, a bracket detachably secured to the stern of a boat, a swivel head mounted on said bracket for movement about a vertical axis, a teeter-bar fulcrumed on said head for movement about a horizontal axis, a tubular operating shaft secured to and extending from the teeter-bar rearwardly in axial alinement therewith, the rear end portion of said shaft extending pendently, a flexible propeller blade having a tubular head encompassing the pendent portion of said shaft loosely to permit turning and axial movement relative thereto, a lock member secured on the terminal end of said shaft, a dog secured about the lower end of said head having engagement with said lock member in selected relative positions, a spring acting on said head to sustain engagement of the dog with said lock member, a mechanism having a lock lever on said teeter-bar, and a cross bar engaged with said dog connectedly attached to said lock lever to control locking engagement of said dog with said member, and an operating handle connected with said teeter-bar wherefore to manually impart movement to said operating shaft.

2,365,416

PRODUCTION OF LIGHT SENSITIVE PHOTOGRAPHIC MATERIAL

Walther Kühne, Mannheim, Germany; vested in the Alien Property Custodian
No Drawing. Application March 12, 1940, Serial No. 323,576. In Germany February 25, 1939
5 Claims. (Cl. 95—7)

1. A light-sensitive photographic material in the form of a layer of a film-forming linear superpolyamide which is insoluble in water, shrink-resistant and capable of being charged with a substance sensitive to light from an aqueous solution, said layer containing in fine division in only the surface portion thereof a substance which renders the layer sensitive to light.

2,365,417

PROCESS OF MANUFACTURING SODIUM CYANIDE

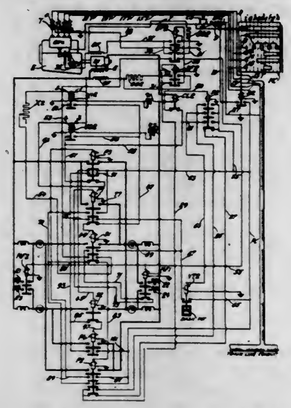
David Kusman, Brussels, Belgium; vested in the Alien Property Custodian
No Drawing. Application June 5, 1940, Serial No. 339,015. In Belgium June 16, 1939
4 Claims. (Cl. 23—79)

1. In a process of preparing sodium cyanide, reacting anhydrous hydrocyanic acid with caustic soda in solid crystal form in presence of a small amount of caustic soda in aqueous solution thereby producing sodium cyanide in crystal form, and draining the excess caustic soda solution from the sodium cyanide crystals, the quantity of anhydrous hydrocyanic acid used being less than that required to react with all the caustic soda present.

2,365,418

AUTOMATIC TRANSITION CONTROL FOR GENERATING ELECTRIC TRACTOR SYSTEMS

Torsten O. Lilquist, Clarendon Hills, Ill., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application September 6, 1943, Serial No. 501,403
12 Claims. (Cl. 290—17)



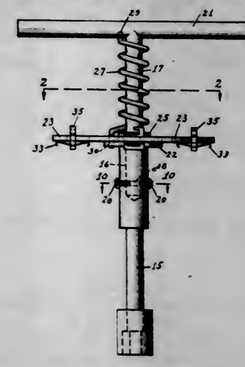
1. A traction and control system comprising a plurality of traction motors, excitation control means therefor, a power plant for said motors, output control means for the power plant, power connections including switching means between the motors and power plant, certain of said switching means being operable to connect each motor across said power plant, certain other said switching means being operable to connect separate groups of said motors in series across said power plant, interlocking and control connections between said excitation controlling means, said output reducing means and said switching means to cause combined and sequential operation of said switching means whereby a reduction in the power plant output occurs while the motor connections are transferred one at a time between the separate and group connection and the motor excitation is reduced prior to and after transfer of the motor connections, and electro-responsive control means adapted to act in response to variations in electrical conditions in the motor power connections upon variations in speed and load of the motors to control combined and sequential operation of said switching means.

2,365,419

TENSION INDICATING WRENCH

Allan H. Lockheed, Grand Rapids, Mich.
Application June 23, 1943, Serial No. 491,906
3 Claims. (Cl. 73—139)

3. In a torque indicating wrench, an operating member and a socket member axially journaled together, a spring surrounding a portion of the operating member having one end attached thereto and the other end attached to the socket member, a hub attached to the socket member, an indicating dial having spokes attached to said hub, an indicator carried by the operating member, a slip-stop on one of said spokes adapt-

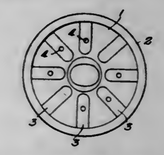


ed to be moved along the spoke and having a recess therein for engagement with said indicator, whereby the indicator and dial may be locked together or freed from one another at the will of the operator.

2,365,420

ULTRA SHORT WAVE TUBE

Edmund Löpp, Erhard Zinke, and Hermann Berger, Berlin, Germany; vested in the Alien Property Custodian
Application December 2, 1941, Serial No. 421,350
In Germany October 28, 1940
4 Claims. (Cl. 250—27.5)



1. An electron discharge tube for ultra high frequency waves of the order of one meter and less, comprising a sealed glass envelope including a very thin base having high damping resistance at such frequencies, integral base reinforcing ribs extending radially from the periphery to the central portion of said base, an electrode system located in the envelope immediately adjacent the base, and leads to said system extending through and sealed in said ribs.

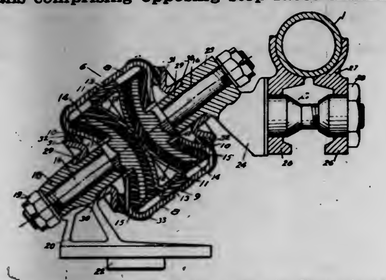
2,365,421

RESILIENT MOUNTING

Hugh C. Lord, Erie, Pa., assignor to Lord Manufacturing Company, Erie, Pa., a corporation of Pennsylvania
Application February 17, 1941, Serial No. 379,261
11 Claims. (Cl. 248—5)

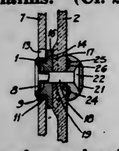
2. A mounting having a plurality of converging connecting links, joint elements for each link including spherically extending portions, at least one of the joints for each link having resilient material between the spherically extending portions and accommodating through its distortion the movement of the joint, and a stop means associated with the elements of each joint and pro-

viding for limited movement thereof, said stop means comprising opposing stop faces extending



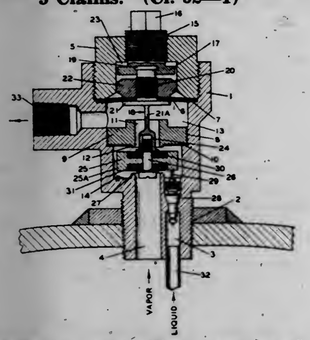
crosswise of a radius of the spherically extending portions.

2,365,422
SUSPENSION MOUNTING FOR SAFETY HEADGEAR
Frederick R. Ludwell, San Francisco, Calif., assignor to E. D. Bullard Company, San Francisco, Calif., a corporation of California
Application July 23, 1941, Serial No. 403,630
8 Claims. (Cl. 2—3)



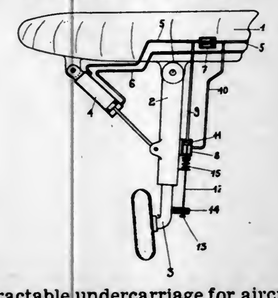
1. In safety headgear having a rigid crown portion and a head engaging suspension strap within the crown, a suspension strap mounting comprising a rivet stem extending through an opening in the crown, suspension strap engaging means upon the inner end of the stem, a head of dielectric material upon the outer end of the stem, a frustro-conical projection upon the inner face of the head concentric with the stem, and a groove surrounding the projection and arranged to receive an insulating sealing material.

2,365,423
VALVE
Charles MacSporran, Detroit, Mich., assignor to Phillips Petroleum Company, a corporation of Delaware
Application October 6, 1941, Serial No. 413,874
5 Claims. (Cl. 62—1)



4. A valve for controlling vapor and liquid eduction from a pressure storage tank comprising a valve casing, liquid and vapor inlet passages in said casing, the liquid passage communicating below the surface of liquid in the tank, a common outlet passage in the casing, a check valve in the liquid inlet passage, an operating arm on the check valve, valve seats for the outlet passage and vapor inlet passage, said last named passage and the outlet passage being aligned and oppositely disposed, a main valve selectively movable into engagement with said valve seats, said main valve in engaging the vapor inlet valve seat also engaging the operating arm on the check valve to open the liquid inlet passage for liquid eduction.

2,365,424
AUTOMATIC LOCKING DEVICE FOR UNDERCARRIAGES
Jean Mercier, Neuilly-sur-Seine, France; vested in the Alien Property Custodian
Application August 30, 1939, Serial No. 292,640
In France December 6, 1938
4 Claims. (Cl. 244—102)

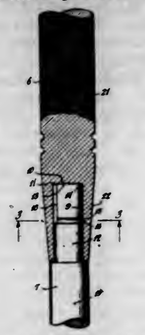


1. Retractable undercarriage for aircraft which comprises two telescoping members one secured to said aircraft and the other to a device for supporting the same on a landing surface, a hydraulic jack adapted to lower said undercarriage when said jack is being extended and to raise the same when said jack is being retracted, two conduits abutting at either end of said jack, respectively, for alternatingly supplying and discharging fluid to and from said jack to alternatingly extend and retract the same, valve means interposed in said conduit through which fluid is to be discharged from said jack in order to retract the same, said valve means being adapted to obstruct outflow of fluid through said conduit, means operatively connected to said device to remove said obstruction when said device is displaced away from said aircraft and to restore said obstruction when said device is displaced in the opposite direction, and yielding means to oppose any displacement of said device away from said aircraft.

2,365,425
PIN PUNCH
Helmuth P. Miller, Milwaukee, Wis.
Application August 16, 1943, Serial No. 498,844
2 Claims. (Cl. 164—119)

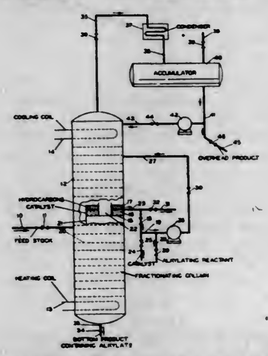
1. In a device of the character described, the combination of a handle for pin remover elements having pin ends of different sizes, said handle having a socket with its bottom forming an impact surface, an interchangeable pin remover element having a shank loosely fitting in said socket with its end in impact engagement with the bottom of said socket, said shank portion fitting so loosely in said socket that repeated impacts will not freeze said shank portion in said socket and having a groove therein,

and a fixed metal retainer member mounted in said holder and loosely engaging in said groove for holding said shank portion loosely in said



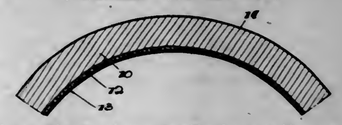
socket to permit relative lengthwise movement between said shank portion and said socket and relieve said holding means of impact strains.

2,365,426
HYDROCARBON CONVERSION PROCESS
Lawrence G. Molique, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application March 28, 1942, Serial No. 436,651
4 Claims. (Cl. 260—683.4)



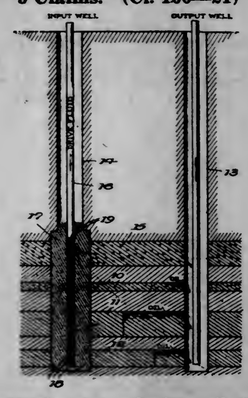
1. A process for producing isoparaffins boiling in the motor fuel range from a C_4 mixture containing normal butane, isobutane, and normal butenes in molal excess of said isobutane, which comprises passing such a mixture to fractional distillation means at an intermediate portion thereof, concentrating in a zone in an upper portion of said means a hydrocarbon liquid containing a higher concentration of isobutane and a lower concentration of normal butenes than said C_4 mixture and having a molal ratio of isobutane to butenes greater than 1:1, intimately admixing with said hydrocarbon liquid in said zone a nonvolatile paraffin alkylation catalyst which is active as an alkylation catalyst under the conditions existing in said zone, to effect an alkylation reaction between said isobutane and butenes forming isoparaffins boiling in the motor fuel range, withdrawing from said zone and said distillation means used alkylation catalyst, and withdrawing as a kettle product of said fractional distillation means a hydrocarbon fraction comprising unreacted normal butenes, normal butane, and isoparaffins boiling in the motor fuel range so produced.

2,365,427
PROTECTIVE COATING OR LINING FOR METAL OBJECTS
William D. Moore, Birmingham, Ala., assignor to American Cast Iron Pipe Company, Birmingham, Ala., a corporation of Georgia
Application September 22, 1941, Serial No. 411,941
7 Claims. (Cl. 117—30)



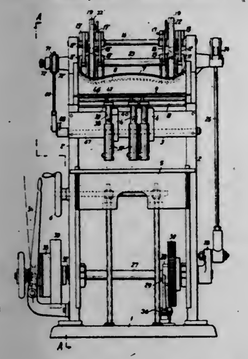
1. A method of protectively coating a metal surface comprising the steps of coating said surface with a water slurry of finely divided alkaline earth carbonate free of bituminous material but containing a relatively small amount of bentonite as a binder and a relatively small amount of rosin as a bonding agent to produce a primer coat on the order of a thirty second inch in thickness, applying a moderate heat to the coating to melt the rosin and produce temporary adhesion of the coating to said surface and to expel water from said coating thereby rendering the coating highly porous, and then completing the bonding of the coating to the metal by introducing fluid bituminous material into and through said pores to effect adhesion to the metal.

2,365,428
RECOVERY OF OIL FROM OIL FIELDS
Morris Muskat, Oakmont, Pa., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
Application October 16, 1941, Serial No. 415,296
5 Claims. (Cl. 166—21)



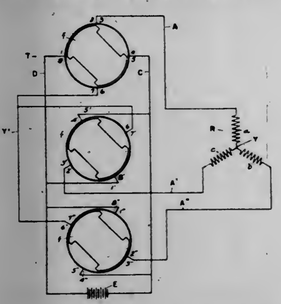
1. In methods of producing oil from subterranean oil reservoirs which include at least one permeable stratum and at least one nearby stratum of higher permeability, wherein a drive fluid is injected into input wells penetrating said formations to drive oil toward spaced output wells penetrating said formations, the improvement which comprises installing in at least one of said wells an elongated tubular choke of a medium permeable in all directions and covering the exposed faces of said strata, the permeability of the medium being substantially of the same order of magnitude as that of the least permeable stratum and being less than that of said nearby stratum of higher permeability, whereby said choke improves the distribution of extraneous fluid through said strata.

2,365,429
STAPLING MACHINE
Franz Muske, Bremen-Sebaldsbruck, Germany; vested in the Alien Property Custodian
Application May 31, 1939, Serial No. 276,724
In Germany August 13, 1937
5 Claims. (Cl. 1—11)



1. A stapler comprising an operating head, means for feeding a continuous length of wire to said operating head, means for cutting pieces of equal length from the end of said wire, means for successively bending each piece to form a staple, means for rotating said staple through a predetermined angle, means for inserting the staple into a workpiece brought into operative relationship with said stapler, and adjusting means for varying said predetermined angle through which said staple is rotated.

2,365,430
TELEMETERING INSTRUMENT
James M. Naul, Fanwood, N. J.
Application September 2, 1942, Serial No. 457,054
11 Claims. (Cl. 177—351)

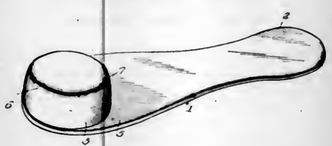


1. A transmitter unit for a telemetering system combining a stator element and a rotor element spaced therefrom, said elements being mounted for relative movement, means for magnetizing said elements thereby to produce therein magnetic poles of opposite polarity, and a system of relatively stationary current conductors located spatially between the magnetic poles of the said stator and rotor elements whose conductance values vary with the magnetic field intensity and relative positions of the magnetized stator and rotor elements; and means to actuate one of said elements relative to the other to effect variations in the conductance values of said conductors.

2,365,431
PROCESS OF PREPARING N-MONOCHLORINATION PRODUCTS OF HIGH-MOLECULAR FATTY ACID AMIDES
Ludwig Orthner, Frankfort-on-the-Main, and Theodor Jacobs, Weisbaden, Germany; vested in the Alien Property Custodian
No Drawing. Application April 19, 1941, Serial No. 389,428. In Germany May 28, 1940
4 Claims. (Cl. 260—404)

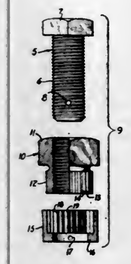
1. The process of preparing N-monochlorination products of high molecular fatty acid amides, which comprises dispersing a high molecular fatty acid amide, containing at least 16 carbon atoms, in water, introducing a current of chlorine gas into the thus-obtained aqueous dispersion, continuing the introduction of such chlorine gas to said dispersion until crystalline products become visible in the reaction mixture; thereafter separating the thus-obtained N-monochlorination products from said reaction mixture.

2,365,432
FABRIC MENDING DEVICE
Charles Patasnik, Chicago, Ill.
Application January 26, 1942, Serial No. 428,220
5 Claims. (Cl. 223—1)



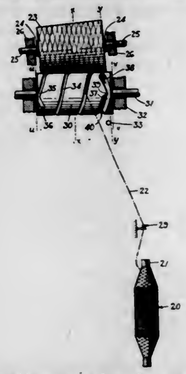
1. A fabric mending device comprising a paddle structure having a flat wide base adapted to be laid flat on a supporting surface including a hand gripping portion and a flat top knob projecting only upwardly from the base at an end thereof opposite the hand gripping portion, the base being of a width in excess of the maximum dimension of the knob and the entire device being smooth and free of sharp projecting corners.

2,365,433
LOCK NUT
Joseph R. Polizzi, Los Angeles, Calif.
Application September 6, 1944, Serial No. 552,883
8 Claims. (Cl. 151—28)



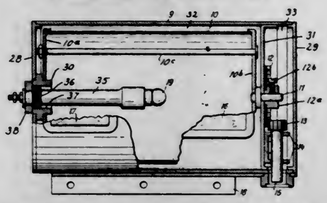
1. A lock nut for a bolt having a cotter pin aperture, said nut having an annular extension formed with a plurality of axial grooves, and a ring having a plurality of grooves for interfitting engagement with said nut grooves and diametral cotter pin holes.

2,365,434
TRAVERSING MEANS FOR WINDING MACHINES
Wilhelm Reiners, Gladbach-Rheydt, Gustav Kahlisch, Rheydt, and Stefan Fürst, Gladbach-Rheydt, Germany; vested in the Alien Property Custodian
Application June 9, 1938, Serial No. 212,674
In Germany July 1, 1937
12 Claims. (Cl. 242—43)



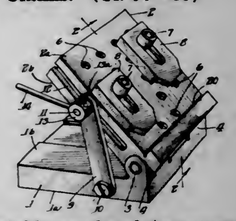
1. Strand winding mechanism comprising an arbor, a cylindrical roll for winding a strand of material upon said arbor through frictional engagement with the wound material, a stationary strand guide, means for feeding said strand under tensile stress from said guide directly to said roll at a gradually diminishing angle to a plane disposed normal to the axis of rotation of the roll, and a helical guideway carried by said roll for intermittently feeding said strand at a gradually increasing angle to said plane.

2,365,435
INDICATING MEANS FOR TAXIMETERS
Paul Riegger, Villingen, Schwarzwald, Germany; vested in the Alien Property Custodian
Application December 14, 1940, Serial No. 370,154
In Germany August 28, 1939
3 Claims. (Cl. 116—46)



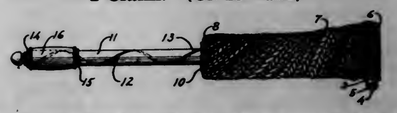
1. An indicator for indicating tariff rates of a taximeter comprising, in combination, a cylindrical housing having closed ends; a partition in said housing thereby dividing the interior thereof into two compartments, each compartment having substantially the same inside diameter; a hollow cylinder having its curved wall of translucent material and being disposed in one of said compartments, said cylinder having two sets of circumferentially arranged corelated sets of indicia on opposite sides of a plane transverse to the longitudinal axes of the cylinder and housing, the corresponding indicia of the respective sets being angularly displaced relative to each other upon the cylinder circumference, one end of said cylinder being provided with an axially located bearing opening; a hollow shaft carried by said housing and penetrating said bearing opening; a slender lamp socket mounted in said hollow shaft and projecting substantially coaxially to the middle of the cylinder; a second shaft extending from said cylinder and being axially alined with said hollow shaft, said second shaft being rotatably mounted in said partition, said housing having a window in the periphery thereof for exposing a portion of one of said sets of indicia and a second window for simultaneously exposing the corresponding indicia of the other set, said windows being also positioned on opposite sides of said transverse plane, a train of driving gears disposed in said other compartment and operatively connected to said second shaft, and means for removably securing said end which is disposed adjacent said other compartment to said housing.

2,365,436
ADJUSTABLE ANGLE PLATE
Lionel H. Saucier, Chicago, Ill., assignor of one-half to Louis A. Cejka, Chicago, Ill.
Application February 4, 1942, Serial No. 429,555
5 Claims. (Cl. 90—59)



1. An adjustable angle plate comprising two leaves both of substantial area hinged together and arranged to fold, one upon the other, one leaf having an upwardly exposed work supporting surface, a unitary rigid brace arm pivoted at one end to the lateral face of one leaf, the adjacent lateral face of the other leaf being longitudinally slotted, and a captive bolt slidable in said slot pivotally engaging the other end of said brace arm at a fixed position thereon, with a clamping nut on said bolt adjustable to secure the bolt and the brace arm at any position in the length of the slot.

2,365,437
MOP
Frank M. Schaefer, Chicago, Ill., assignor of one-half to William G. Pankonin, Chicago, Ill.
Application June 21, 1943, Serial No. 491,575
1 Claim. (Cl. 15—120)



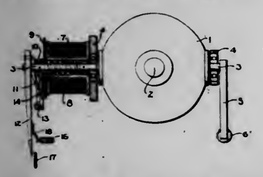
In a mop apparatus including a mopstick having one end of an elongated mop fabric attached thereto, a roll shaped control means mounted to rotate on an axis normal to the axis of the mopstick, and inner and outer concentric cylindrical members mounted on the mopstick, said inner cylindrical member connected with the other end of said elongated mop fabric, said outer cylindrical member mounted on said inner cylindrical member so as to be rotatable thereon but not slidable longitudinally thereof, said inner cylindrical member positioned to coact with the roll shaped control means to be rotated thereby when

the outer cylindrical member is manually moved longitudinally with respect to the mopstick to longitudinally move the inner cylindrical member into coacting engagement with the roll shaped control means to be rotated thereby in a direction depending upon the direction of longitudinal movement of the concentric inner and outer cylindrical members on the mopstick to cause wrapping and tensioning of the elongated mop fabric to wring the same with the outward longitudinal movement of the concentric inner and outer cylindrical members on the mopstick and causing unwrapping of the mop fabric when said concentric inner and outer cylindrical members are moved downwardly on the mopstick to permit the unwrapped elongated mop fabric to hang in a looped position ready for use.

2,365,438
MINERAL SUPPLEMENT
Theodore W. Schilb, Kirkwood, Mo., assignor to Monsanto Chemical Company, a corporation of Delaware
No Drawing. Application July 3, 1942, Serial No. 449,671
18 Claims. (Cl. 99—143)

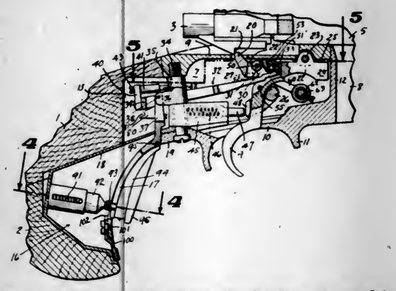
1. A mineral supplement adapted to supply calcium and phosphorus to the diet, said supplement comprising a mixture of 15 parts to 40 parts of monocalcium orthophosphate and 85 parts to 60 parts of dicalcium phosphate dihydrate, said mixture also including a small amount of a molecularly dehydrated alkali metal phosphate as an anti-caking agent.

2,365,439
GYROSCOPIC INSTRUMENT
Kurt Schulze, Dallgow-Doberitz, Germany; vested in the Alien Property Custodian
Application December 12, 1941, Serial No. 422,760
In Germany September 4, 1939
6 Claims. (Cl. 33—204)



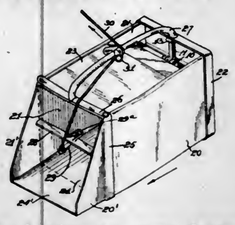
1. In a gyroscopic instrument responsive to angular acceleration of an aircraft and the like during turning about an axis thereof, comprising a two-degree-of-freedom gyroscope having a rotor, a gimbal frame mounting said rotor for spinning about an axis perpendicular to the axis of turn of said craft and for precession about an axis mutually perpendicular to said spin axis and said turn axis, yielding means for opposing said precession whereby the amount of said precession is a function of the rate of turn of said craft, the combination therewith of a precession shaft coaxial with said precession axis and adapted for rotation with said frame, eddy current braking means including means for creating a magnetic field symmetrically disposed around the said precession shaft and fixed with reference to the said craft and an armature member resiliently connected to the said precession shaft and disposed in said magnetic field so as to operate under the combined influence of the said magnetic field and the motion of the said precession shaft, and indicating means including a member pivoting about the said precession shaft and operatively connected by mechanical interlinking both to said precession shaft and the said armature member so that motion is imparted to said indicating means by said shaft and said motion is modified by said eddy current braking means in accordance with the speed of said shaft.

2,365,440
FIREARM
John G. Seitz, San Francisco, Calif., assignor to Samuel I. Keene, San Francisco, Calif.
Application November 3, 1943, Serial No. 508,773
7 Claims. (Cl. 42—69)



1. In a firing mechanism including a cocking piece, a single sear for releasably holding said cocking piece cocked, a finger retractable trigger that is spring urged to a normal forward position upon release thereof after retraction; a device adjustably connecting said sear and said trigger for releasing said sear only upon retraction of said trigger or only upon release thereof and during its return to said normal position as desired; and a control means movable for selectively adjusting said device for causing the release of said sear during the desired directional movement of said trigger.

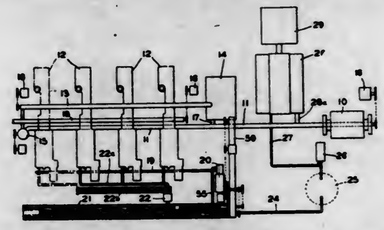
2,365,441
HOPPER
Charles R. Smith, Chicago, Ill.
Application November 7, 1942, Serial No. 464,913
4 Claims. (Cl. 37—136)



1. A hopper having an open forward end, a draft bar in said end, a handle connecting the ends of the hopper, a cuneate head carried by said handle with its narrow end disposed rearwardly, and a cable connected to said draft bar for passage over the narrow end of said head.

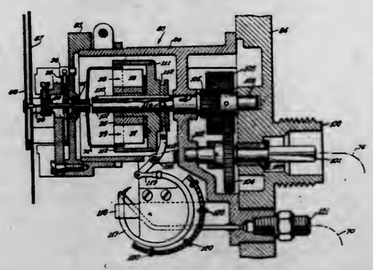
2,365,442
OIL SETTLING TANK
Raymond T. Anderson, Berea, Ohio, assignor to The V. D. Anderson Company, Cleveland, Ohio, a corporation of Ohio
Application February 2, 1942, Serial No. 429,137
3 Claims. (Cl. 100—50)

1. Apparatus of the character described, comprising a screw press including a foraminous barrel and a pressure screw therein for expressing oil from proteinaceous material and thereby producing solid cake and oil having solid matter suspended therein, in combination with oil clarifying means, such means including an elongated tank having a channel of large capacity as compared with the expressed oil product of said press, means for collecting oil drained from the press barrel and for introducing it into one end of said tank channel, means for withdrawing oil from a point intermediate the ends of said channel, for



cooling such oil, and for applying the same to the outside of the press barrel, means at the other end of said channel for withdrawing product oil, and means for moving the settled solid matter along the channel in a direction counter to that of oil flow, said channel being divided into two halves lying side by side with the channel portions in the two halves communicating at one end of the tank, and the oil receiving and discharge ends of the channel lying adjacent each other at the other end of the tank.

2,365,443
POWER METER
Walter Angst, Manhasset, N. Y., assignor to Square D Company, Detroit, Mich., a corporation of Michigan
Original application November 9, 1940, Serial No. 364,953. Divided and this application April 21, 1943, Serial No. 483,853
10 Claims. (Cl. 73—136)



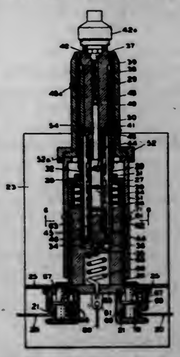
1. A power meter for engines comprising, in combination, a rotatable magnetic element adapted to be driven proportional to the speed of the engine; a rotatable armature acted upon by the magnetic flux of said element; means for biasing said armature towards a predetermined rotary position; indicating means connected for movement by said armature to indicate the rotary position of said armature; and means responsive to the torque of the engine for moving said magnetic element in an axial direction for increasing and decreasing the action of the magnetic flux of said element on said armature, whereby said indicating means will be moved in response to the power of said engine.

2,365,444
ELECTRIC SWITCH
Mauricio Babenco, Buenos Aires, Argentina
Application February 5, 1943, Serial No. 474,869
2 Claims. (Cl. 200—152)



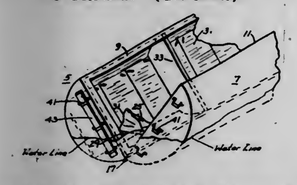
1. An electric switch device, including, an insulating housing having a cavity, a pair of spaced relatively fixed conductors each having one end secured to one edge of the housing and having their opposite lever supporting ends extending in the cavity, a pair of yielding spaced conductors each secured at one end to the opposite edge of the cavity and having the portions between their free and secured ends bowed toward the bottom of a cavity, a switch lever having a pair of non-communicating mercury receiving chambers each provided with a metallic end cap projecting from the rear end thereof for respective engagement with the spaced yielding conductors, and metallic pivot plugs at each side of the lever and having their inner ends contacting mercury in each of the chambers while their outer ends are pivotally engaged with the lever supporting ends of the said relatively fixed line conductors.

2,365,445
AUTOMATIC MEANS FOR OPENING PARACHUTES
Witold A. Badowski, Cleveland, Ohio
Application March 19, 1942, Serial No. 435,257
11 Claims. (Cl. 244—150)



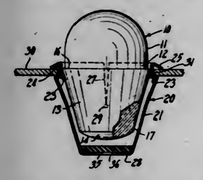
1. Automatic means for causing a parachute to open in a predetermined elevation zone, comprising a support, a chambered gas-tight device capable of expansion and contraction responsive to variations in atmospheric pressure, said device having a part movable with relation to said support, means for preadjusting the position of the movable part independently of atmospheric pressure, a parachute, movable parachute release means carried by said support, and means operatively associated with the movable part of said device for automatically actuating said release means within said predetermined elevation zone.

2,365,446
WATERCRAFT
Frederic D. Barton, Jr., Oakland, Calif.
Application August 30, 1943, Serial No. 500,725
6 Claims. (Cl. 9—2)



1. A collapsible self-opening watercraft, comprising a pair of hollow receptacle portions each having side edges and end edges, said receptacle portions being disposed with a side edge of one portion adjacent a side edge of the other portion, hinge means joining said receptacle portions along adjacent side edges enabling said receptacle portions to be swung on said hinge means into mating engagement along their side and end edges to form a compact closed unit, means for opening said closed unit right-side-up when placed in water, and a water barrier covering said hinge means and spanning the angle formed at each end by said end edges during opening of said unit and extending to above the water line existing at each end throughout the opening of said unit.

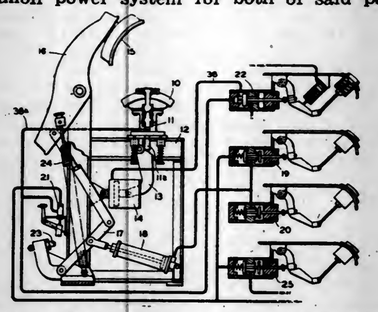
2,365,447
REFLECTING DEVICE FOR SIGNS AND THE LIKE
Frank A. Best, Windsor, Ontario, Canada
Application June 10, 1943, Serial No. 490,240
7 Claims. (Cl. 88—82)



6. In combination, a panel having an aperture, a reflecting button having a dome-shaped head at its front end and having an annular shoulder surrounding said head at the base thereof, and a one-piece cup-shaped metal holder provided with a plurality of circumferentially spaced, longitudinally disposed resilient fingers each having external and internal shoulder portions receiving said panel therebetween and engaging the external and internal faces of said panel, the internal shoulder portions of said fingers engaging the shoulder of said button for the retention of the button in the holder.

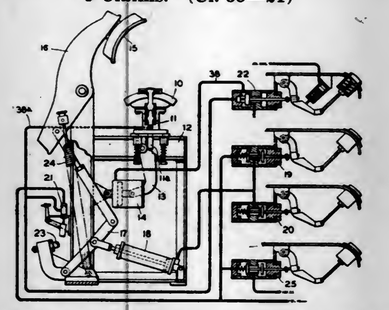
2,365,448
SLEEVE PRESS
George R. Bicknell, Antioch, and Fred A. Heidenfelder, Chicago, Ill., assignors to The American Laundry Machinery Company, Norwood, Ohio, a corporation of Ohio
Application February 7, 1941, Serial No. 377,926
4 Claims. (Cl. 38—12)

1. In a pressing machine, an elongated buck adapted to receive a shirt sleeve laid flat from the shoulder to the cuff, a clamp at the cuff end of said buck for holding the cuff of a sleeve on said buck, a pressing head coacting with said buck to iron a sleeve thereon, power means for producing relative motion between said head and buck, power means for releasing said clamp, a common power system for both of said power



means, and a single control means for energizing said power system.

2,365,449
SLEEVE PRESS
George R. Bicknell, Antioch, and Fred A. Heidenfelder, Chicago, Ill., assignors to The American Laundry Machinery Company, Norwood, Ohio, a corporation of Ohio
Original application February 7, 1941, Serial No. 377,926. Divided and this application October 9, 1943, Serial No. 505,618
3 Claims. (Cl. 38—21)

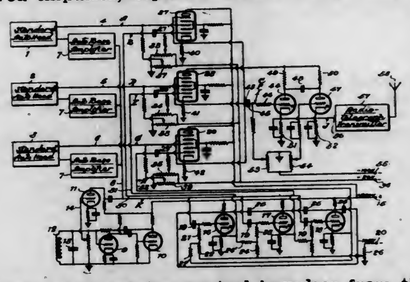


1. A sleeve press comprising a pair of elongated beds secured on a base in end-to-end alinement and spaced apart endwise, each of said beds having a length to support a shirt sleeve and a width greater than the width of the sleeve, and said beds having their inner end edges inclined and converging crosswise from front to rear in directions opposite to each other, and so arranged as to provide two beds with space between them for the body of the shirt and with the sleeves, one on each bed, on alined portions thereof, whereby when the lay is made toward the rear of the beds, one length of sleeves may be supported on the beds, and when the lay is made toward the front of the beds, a different length of sleeves may be supported on the beds.

2,365,450
RADIO TELEGRAPH MULTIPLEX SYSTEM
Warren H. Bliss, Orono, Maine, assignor to Radio Corporation of America, a corporation of Delaware
Application April 29, 1942, Serial No. 440,920
28 Claims. (Cl. 178—50)

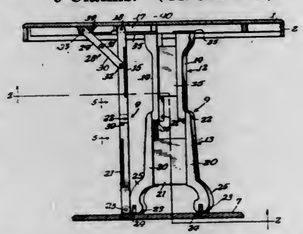
1. A communicating system comprising means for transmitting impulses of uniform intensity and duration, the impulses being separated by

predetermined time intervals or multiple integers of the predetermined time intervals and occurring always at a fixed phase relation, a receiver, said receiver having means for reshaping the received impulses, separate means for producing



marking and spacing control impulses from the reshaped impulses, and means responsive to the marking and spacing control impulses to produce a series of impulses having substantially uniform intensity and of varying length.

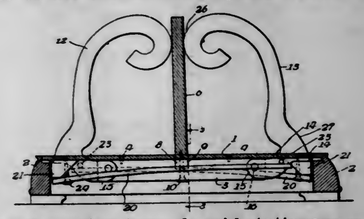
2,365,451
FOLDING TABLE
Leslie H. Burlin, Valparaiso, Ind., assignor to Milton L. Sturm, Evanston, Ill., doing business as Milton Sturm & Company, Chicago, Ill.
Application October 19, 1942, Serial No. 462,645
9 Claims. (Cl. 311—80)



1. A folding table including a table top, a base parallel thereto, a plurality of folding legs between the top and the base, each leg comprising a set of pivotally connected upper and lower links pivoted respectively to the top and to the base about fixed pivots, one of the links of each leg comprising a pair of members embracing the other link at the pivot between them, the two members of said one link being spaced apart throughout their length a distance sufficient to receive the other link of the same leg between them, said links of each leg being foldable from a collapsed side by side position substantially parallel to and embracing one another to an extended toggle position substantially in alignment with one another, means to limit the pivoting of the links in their unfolding direction, and releasable means for holding the links in their extended position, said releasable means being located between the base and the top and foldable into a position between them upon collapsing of the table.

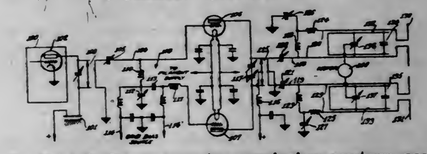
2,365,452
BOOKRACK
Leslie H. Burlin, Valparaiso, Ind., assignor to Milton L. Sturm, Evanston, Ill., doing business as Milton Sturm & Company, Chicago, Ill.
Application April 6, 1943, Serial No. 482,028
3 Claims. (Cl. 211—43)

1. A book rack comprising a supporting structure including a base, a stationary vertical partition secured to the structure and extending across and above the base, an end member pivoted on the structure below the base and extending upwardly through an opening in the base, the portion of the end member that extends through the opening substantially filling said opening and being curved along arcs centered at the pivot center of the end member, spring means urging



said end member towards said stationary vertical partition, and into engagement therewith, the part of the end member that engages the vertical partition being curved along an arc such that upon pivoting of the end member away from the partition its points of tangency with a vertical plane remains at substantially the same distance from the base.

2,365,453
SHORT WAVE TRANSMISSION LINE BALANCING SYSTEM
Paul F. Byrne, West Caldwell, N. J., assignor to Federal Telephone and Radio Corporation, a corporation of Delaware
Original application March 22, 1939, Serial No. 263,367. Divided and this application November 28, 1941, Serial No. 420,795
6 Claims. (Cl. 250—17)

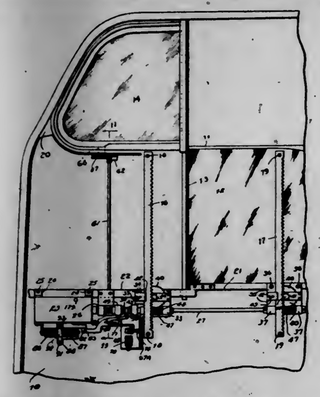


1. A high frequency transmission system comprising three balanced lines each having two conductors balanced with respect to ground, a first of said balanced lines having its midpoint grounded, and the second and third of said balanced lines each having a pair of reactances of the same sign connected in series between its two conductors and a reactance of opposite sign connected between ground and the junction of the two series-connected reactances, one conductor of the first balanced line being connected to one of the conductors of the second balanced line at the point of juncture with one of said reactances of the same sign, and the other conductor of said first balanced line being connected to one of the conductors of said third balanced line at the point of juncture with one of said reactances of the same sign.

2,365,454
AUTOMOBILE WINDOW CONTROL
Daniel L. Chandler, Salem, and George W. Ewing, Peabody, Mass., assignors to Arsece Company Inc., Salem, Mass., a corporation
Application May 21, 1942, Serial No. 443,994
6 Claims. (Cl. 268—124)

1. In an improved electrically operated automobile door window pane and window ventilator, a reversible electrical motor and motor driven

clutch mechanism connected with geared members attached to said window pane, one of said geared members engaging with a rack mounted in said door for the purpose of raising and lowering said window pane and another of said geared members slideably engaged with a rotata-



ble member attached to said window ventilator, a friction clutch assembly, one side of said assembly being engageable with the window pane geared mechanism and the other side being engageable with the geared mechanism connected with said ventilator geared mechanism, and electrically operated means for reversing said clutch.

2,365,455

ARTICLE OF MANUFACTURE AND PROCESS OF PRODUCING THE SAME

Ralph T. K. Cornwell, Fredericksburg, Va., assignor to Sylvania Industrial Corporation, Fredericksburg, Va., a corporation of Virginia

No Drawing. Application January 19, 1942, Serial No. 427,389

6 Claims. (Cl. 106—197)

1. A composition of matter comprising regenerated cellulose which has been oxidized to the point of being soluble in aqueous alkaline solutions.

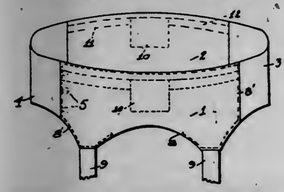
2,365,456

GARTER BELT

Anthony G. Cusick, Worcester, Mass., assignor to Cusette Foundations, Inc., Worcester, Mass., a corporation of Massachusetts

Application August 14, 1941, Serial No. 406,759

3 Claims. (Cl. 2—314)



1. In a garter belt having front and back sections and side sections connecting the front and back together, each of said front and back sections being of double thickness and providing a concave lower edge along which the section is open, a tab positioned between the plies of material of each of the front and back sections, and elastic straps connected to each tab and extending from each of the upper corners of the tab to points adjacent the upper corners of the section for exerting an upward pull on the tab to normally maintain said tab in a concealed position between the plies of material.

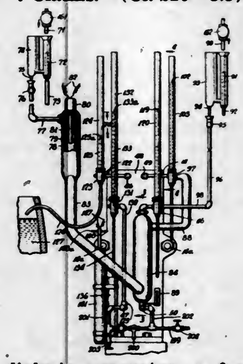
2,365,457

DIALYSIS

Friedrich Konrad Daniel, Kew Gardens, N. Y., assignor to Hornkem Corporation, New York, N. Y., a corporation of New York

Application May 21, 1940, Serial No. 336,332

7 Claims. (Cl. 210—8.5)



1. In a dialysis apparatus, a framework including cell skeleton members, a rubber gasket against one face, and a semi-permeable membrane against the other face of each skeleton member, said members being arranged in cyclic sequence to form a series of cells, means to pass liquor to be dialyzed and the dialyzing liquid through alternate cells, said frames being formed of laminated, synthetic, insoluble, infusible resin impregnated fibrous sheet material.

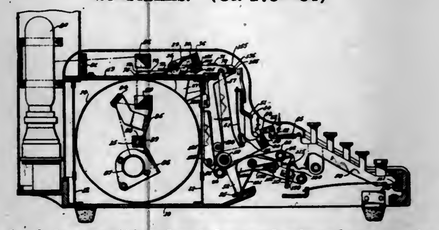
2,365,458

PRINTING TELEGRAPH SYSTEM

Edmond Maurice Deloraine, New York, N. Y., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

Application October 18, 1941. Serial No. 415,554

29 Claims. (Cl. 178—84)



1. A transmitter for telegraph signals comprising a source of light, a photo-electric cell controlled by said source, an external transmission circuit controlled from said photo-electric cell, means for selectively controlling said photo-electric cell for transmitting impulses comprising a rotary drum having the surface thereof disposed between said source and said photo-electric cell, a plurality of perforations in said drum arranged in groups, means normally tending to prevent rays of light from said source from striking said photo-electric cell through said perforations, a keyboard for operating the last mentioned means to permit rays of light to pass through a group of perforations corresponding to the key depressed whereby impulses corresponding to said group of perforations are sent to the transmission circuit, and means independent of said last mentioned means for transmitting an invariable start signal on the operation of each key.

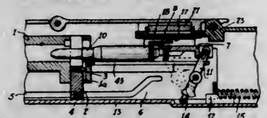
2,365,459

AUTOMATIC GUN

Josef Dobřemysl, Cambridge, England

Original application January 21, 1941, Serial No. 375,166. Divided and this application March 31, 1942, Serial No. 436,989. In Great Britain January 25, 1940

10 Claims. (Cl. 89—33)



1. An automatic gun comprising a gun casing, a gun barrel mounted therein, a breech block arranged in the barrel for sliding movement, a carrier mounted for movement longitudinally of the gun and adapted for co-operation with the said breech block, a cartridge belt for supplying into the gun of fresh cartridges which are to be brought into the barrel and for removing spent cartridge cases from the gun, means for moving cartridges from the cartridge belt into the barrel and for returning the spent cartridge cases back into the belt, said means comprising a carriage mounted on the carrier for movement longitudinally of the gun, a lever pivoted in the carrier and having one arm operatively connected with the said carriage, and abutments in the said gun casing for co-operation with the other arm of the said lever.

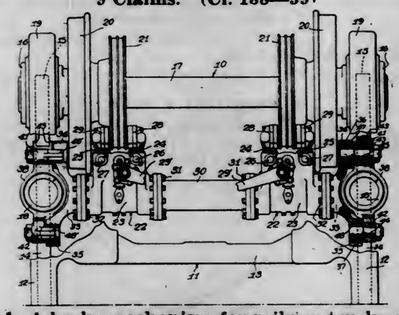
2,365,460

BRAKE MECHANISM

Carolus L. Eksergian and Paul W. Gaenssle, Detroit, Mich., assignors to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania

Application March 19, 1942, Serial No. 435,278

9 Claims. (Cl. 188—59)



1. A brake mechanism for railway trucks comprising a wheel and axle assembly, a truck frame supported thereby including equalizer bars supported at the opposite ends of said wheel and axle assembly, a pair of brake rings rotatable one with each wheel of said assembly, and a brake support carrying brake shoes disposed in cooperative relation with said rings and actuating means for said shoes, said support being flexibly connected to the equalizer bars at the opposite sides of the truck adjacent the wheel and axle assembly through generally horizontally disposed pivotal connections, and having further support from the frame remote from said flexible connection.

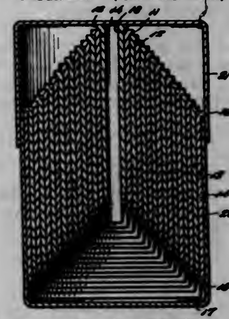
2,365,461

PUNCH PRESS SET

Clarence La Verne Fairbanks, Buffalo, Mont.

Application September 27, 1944, Serial No. 556,047

1 Claim. (Cl. 164—32)



In a punch set, the combination of a plurality of hollow cylindrical punches, each having a cutting blade at an extremity thereof and a flange peripherally positioned about the other extremity thereof, said punches being so dimensioned that the exterior diameter of each is less than the interior diameter of the next larger size, whereby they may be nested together, said flanges being of greater diameter than the interior diameter of the next larger size, whereby successive punches may be readily withdrawn from the nested set, and a two-part case for said punches, the flange of the largest of said punches being so dimensioned as to rest on the rim of one of said parts of said case.

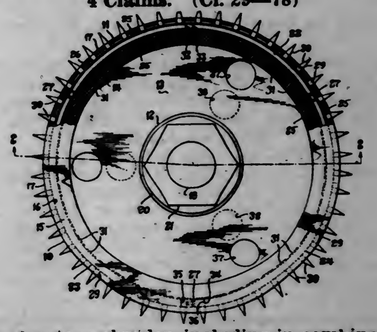
2,365,462

ROTARY ABRADER

Raymond A. Fontaine, Hamden, Conn., assignor of one-half to Nathan E. Cooper, New Haven, Conn.

Application September 22, 1943, Serial No. 503,311

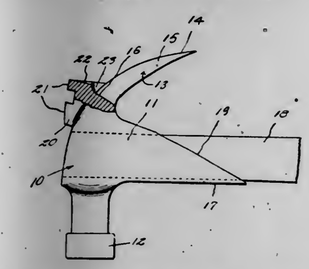
4 Claims. (Cl. 29—78)



1. A rotary abrader, including in combination: an annular series of physically-distinct arcuate mounting-plates arranged end-to-end to jointly form a substantial ring, each of the said mounting-plates being formed with a multiplicity of substantially-radial holes; a multiplicity of re-

movable and replaceable abrading-elements extending outwardly through the respective holes of each of the said arcuate mounting-plates and projecting beyond the outer periphery thereof, each of the said abrading-elements having stop-means engageable with the inner periphery of a given mounting-plate; and supporting-means adapted to be propelled by a spindle or the like and constructed and arranged to support the said annular series of arcuate mounting-plates in the described end-to-end relationship and including means to hold the said series of arcuate mounting-plates against radial displacement under the urge of centrifugal force when the abrader is rotated, and means underlying the respective inner ends of the multiplicity of abrading-elements to limit the inward displacement thereof when work is forced against the projecting outer ends of the said abrading-elements.

2,365,463
NAIL PULLING TOOL
Calvin G. Formhals, Smithfield, Ill.
Application April 4, 1944, Serial No. 529,523
2 Claims. (Cl. 254—26)

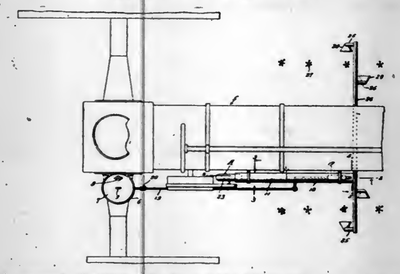


1. A nail pulling means for a hammer head having a curved claw provided with a tapered nail receiving slot, comprising an outstanding lug formed across the width of the head at the inner end of said slot, said lug providing a fulcrum upon which the head is oscillated in the process of extracting a nail from a piece of material, said lug having a wall immediately adjacent to the inner end of the slot and provided with a nail receiving groove.

2,365,464
PREPARATION OF PHTHALOCYANINE PIGMENTS
Peter Fredrick Gross, Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 7, 1942, Serial No. 438,003
6 Claims. (Cl. 260—314.5)

1. The process of preparing a crystalline sulfate of a water-insoluble phthalocyanine compound selected from the group of those water-insoluble phthalocyanine compounds which dissolve in 90% sulfuric acid at 95° C. without decomposition, which comprises dissolving the phthalocyanine compound in sulfuric acid of not less than 85% and not more than 95% concentration, by heating said coloring compound in said acid at a temperature between 70 and 110° C., precipitating the sulfate of said coloring compound by cooling the solution to below 30° C. by a heat-exchange process which does not result in dilution of the solution, and then separating the precipitated sulfate from the mother liquor.

2,365,465
WEED DESTROYER
William Hope Haigler, Sr., Lawrence Brake Haigler, and John Alford Haigler, Montgomery, Ala.
Application February 12, 1942, Serial No. 430,682
1 Claim. (Cl. 126—271.2)

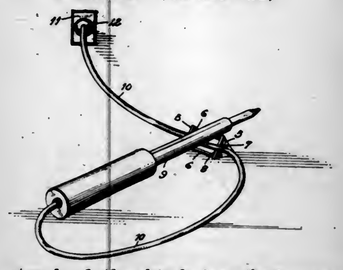


A weed destroyer for attachment to a tractor alongside the same comprising a heater including a cylindrical shell adapted to be disposed horizontally lengthwise alongside the tractor, a pair of headers in said shell adjacent opposite ends thereof, forming therebetween a heating chamber, one of the headers forming with one end of the shell a gas discharge chamber, tubular heating flues extending through said heating chamber longitudinally thereof and through said headers, a blower unit at the other end of said shell including a gooseneck discharge connection between the same and the other end of the shell and discharging into said flues, means to introduce heated air and gases resulting from combustion into said heating chamber comprising a burner and a tubular combustion chamber communicating with the end of the heating chamber nearest the first-mentioned end of the shell, a discharge pipe leading from the other end of said heating chamber to said blower, and gas outlet means for said discharge chamber including nozzles.

2,365,466
ORGANIC COMPOUNDS
Lyle Armstrong Hamilton, Pitman, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 23, 1942, Serial No. 463,079
2 Claims. (Cl. 260—543)

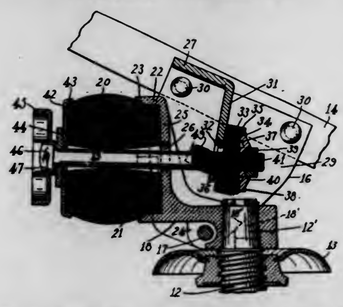
2. An alpha,beta-unsaturated alkenephosphonic acid dichloride.

2,365,467
IMPLEMENT STAND
Arthur Hammerstein, Palatine, Ill.
Application September 22, 1942, Serial No. 459,250
5 Claims. (Cl. 219—21)



1. A stand of the kind described comprising polygonal end members, and a plurality of spacing members each having opposite ends secured to said end members respectively for fixing the same in spaced registering relation with each other, said end members being provided with outwardly open slotted openings for accommodating the electric cord of an electrically-heated implement whereby said stand is slidably mounted on said cord and capable of being selectively set upon a surface, said spacing members thereupon constituting supporting rests for the heated portion of said implement to maintain it out of contact with said surface.

2,365,468
TILTING CHAIR MOUNTING
Walter F. Herold, Easton, Conn., assignor to The Bassick Company, Bridgeport, Conn., a corporation of Connecticut
Application May 4, 1940, Serial No. 333,309
17 Claims. (Cl. 155—77)



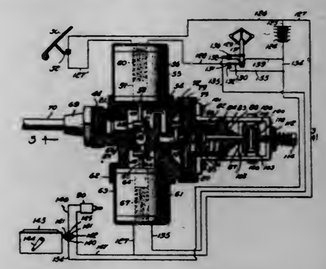
4. In a chair iron assembly, a swingable leaf element having a clearance opening therein, a rod extending through said opening and having a threaded portion, a nut on the threaded portion of the rod, means including a resilient element and a washer on the rod for holding the nut against rotation, means by which the rod is turned manually, a fixed leaf element through which the rod extends, and a counterbalancing compression member whose compression is altered by turning the rod.

5. In a chair iron assembly, a compression rod having a threaded portion at one end, a nut engaging said threaded portion, means including a washer adapted to engage the nut to prevent its rotation, a polygonal head formed on the opposite end of the rod, and a hand wheel having an opening engaging the shank portion of the rod and provided with a socket in which said head is nonrotatively received.

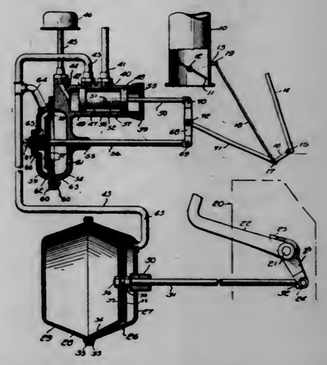
9. In a tilting chair mounting, rubber cylinders substantially in axial alinement, a two-part pivotal structure between the cylinders, a tie member passing through the pivotal structure and through bores of the cylinders, and retainers for the inner ends of the cylinders carried by the respective parts of the pivotal structure, one of said cylinders being smaller than the other.

2,365,469
CLUTCH CONTROL MECHANISM
Henry W. Hey, Richmond, Va., and Jeannot G. Ingres, Detroit, Mich., assignors to Hill Engineering Corporation, Richmond, Va., a corporation of Virginia
Application June 22, 1942, Serial No. 447,992
26 Claims. (Cl. 192—.01)

1. A clutch control mechanism comprising a power device connected to the clutch, a pair of independently operable control elements one having a normal position and movable away from such position to energize the power device and the other having a single normal position and movable away from such position for deenergizing the power device after it has been energized, said second named control element being constructed and arranged to be subject to the force energizing said power device to tend to move it away from its normal position, and means constructed and arranged to be responsive to a predetermined condition for varying the degree of energization of said power device necessary to move said second named control element from its normal position.

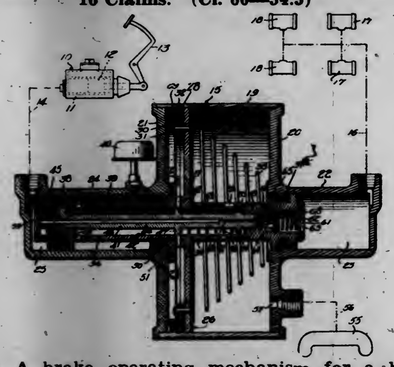


2,365,470
CLUTCH CONTROL MECHANISM
Jeannot G. Ingres, Detroit, Mich., assignor to Hill Engineering Corporation, Richmond, Va., a corporation of Virginia
Application May 20, 1941, Serial No. 394,343
8 Claims. (Cl. 192—.01)



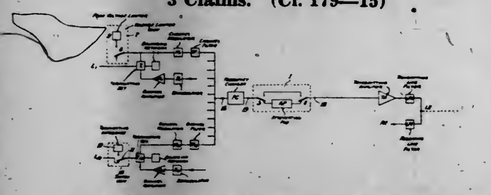
1. Clutch operating mechanism for a motor vehicle including a clutch and a throttle for the vehicle engine, comprising a power device connected to the vehicle clutch, control mechanism for said power device having a single movable control element mounted for rectilinear movement, mechanical connections including a floating lever connecting said movable element to the engine throttle, and means responsive to the degree of energization of said power device and having a movable member mounted for movement parallel to the line of movement of said control element and connected to said floating lever to cause said movable element to effect a follow-up action of said power device with respect to movement of the engine throttle.

2,365,471
BRAKE OPERATING MECHANISM
Jeannot G. Ingres, Detroit, Mich., assignor to Automatic Shifters, Inc., Richmond, Va., a corporation of Virginia
Application June 22, 1942, Serial No. 447,993
16 Claims. (Cl. 60—54.5)



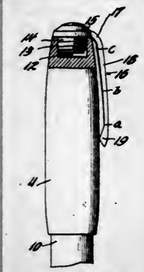
1. A brake operating mechanism for a hydraulic vehicle brake system having hydraulic brake cylinders for the vehicle wheels and a master cylinder having a pedal-controlled piston therein, comprising a control chamber communicating with the master cylinder, a pressure chamber communicating with the brake cylinders, power means for displacing fluid from said pressure chamber into the brake cylinders and having a power-movable portion projecting into said control chamber, and control means for said power means comprising an element subject to movement by fluid displaced into said control chamber from the master cylinder, said control means having a portion exposed to pressure in said pressure chamber to oppose movement of said control means by fluid in said control chamber.

2,365,472
ELECTRIC CARRIER WAVE SIGNALING SYSTEM
Bent Bülow Jacobsen, London, England, assignor to International Standard Electric Corporation, New York, N. Y.
Application December 31, 1941, Serial No. 425,177
In Great Britain January 24, 1941
3 Claims. (Cl. 179—15)



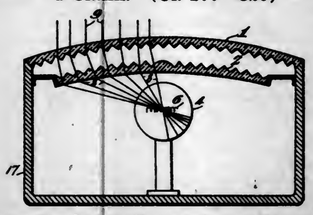
1. A carrier wave transmission system comprising a plurality of speech channels, a carrier wave transmission path, a plurality of low frequency lines over which speech waves are transmitted, means for transmitting carrier waves over said transmission path modulated in accordance with the speech waves in each of said speech channels, a peak voltage limiter, switching means for connecting said peak voltage limiter in circuit to limit the voltage of speech waves incoming over at least one of said low frequency lines, an attenuating pad in the path of said carrier waves and switching means for disconnecting said attenuating pad from the path of the modulated carrier waves at the transmitting terminal of the system, whenever said peak voltage limiter is connected in circuit, whereby a higher level of carrier transmission can be used without undue overloading.

2,365,473
WRITING INSTRUMENT ASSEMBLAGE
David Kahn, Englewood, and John William Para, Elizabeth, N. J., assignors to David Kahn, Inc., North Bergen, N. J., a corporation of New Jersey
Application December 10, 1942, Serial No. 468,536
9 Claims. (Cl. 24—11)



1. In combination with a pencil provided with a transparent barrel and a magazine therein having a visible supply of pencil leads, a plastic nontarnishable non-corrosive clip member provided with a sleeve encompassing said barrel member and having an internal circumferential groove, a metal ring seated in said groove and contacting with said body member to hold said clip member on said barrel, and a relatively resilient elongated clip portion integrally united with the sleeve member and extending in substantial parallelism with the pencil barrel, said elongated clip portion being extremely tough and sufficiently flexible to spring outwardly from said barrel and return in proximity thereto as a clip therefor, the transparent clip permitting the lead supply to be visible at all times.

2,365,474
TRAFFIC TRANSPORTATION SIGNALING SYSTEM
Edward W. Kellogg and Glenn L. Dimmick, Indianapolis, Ind., assignors to Radio Corporation of America, a corporation of Delaware
Application April 29, 1942, Serial No. 440,924
1 Claim. (Cl. 177—329)



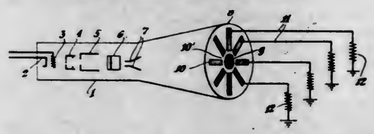
In an optical signaling system, a lamp envelope containing a source of light, a refracting lens for projecting light from said source outwardly from said system, and a substantially non-reflecting transparent coating on said lamp envelope for substantially reducing the reflection of external light entering said system while offering substantially no obstruction to the passage of said light from said source, said lens and said coating being characterized by the fact that the former transmits light of a predetermined color and the latter minimizes reflection of light of a similar color.

2,365,475
DENTAL MOUNTING DEVICE
Isidore Klein, New York, N. Y.
Application March 26, 1941, Serial No. 385,320
3 Claims. (Cl. 32—32)



1. A dental mounting device for use with a dental articulator and a dental model jaw cast, said device comprising a first frame element having a substantially planar first body and a lug extending from one edge thereof, a first bent ear extending from another edge of said first body, a second frame element having a substantially planar second body and a guide member at one edge thereof and projecting above the planar surface of the second body, said guide member being provided with an orifice adapted to receive said lug, a second bent ear extending from one edge of said second body, said first and second frame elements being adapted to be placed in nested relationship by receiving said lug of said first frame element into the orifice of said second frame element and by a combined relative pivotal and sliding movement between said frame elements to cause said first and second bodies to contactively overlie each other in face to face relationship, said first and second ears being so positioned as to be in alignment and to be adjacently disposed in face to face relationship when said frame elements are in nested relationship, said first and second ears being bent at such an angle as to permit the said relative pivotal and slidable movement between the said frame elements, and means to detachably interconnect said ears.

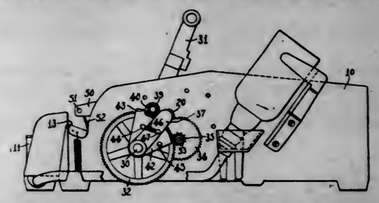
2,365,476
ELECTRONIC SWITCH AND RECTANGULAR WAVE GENERATOR
Walter A. Knoop, Jr., Packanack Lake, and Leonard F. Cramer, Wayne, N. J., assignors to Allen B. Du Mont Laboratories, Inc., Passaic, N. J., a corporation of Delaware
Application May 11, 1943, Serial No. 486,518
6 Claims. (Cl. 250—152)



1. In a device of the character described, a cathode-ray tube having a series of separated circularly spaced radially extending conducting areas on the inside end of said tube, fluorescent screen material at a central area around which said conducting areas are located and separate electrical connections from said areas to the outside of said tube, each of said conducting areas having its side dimensions greater than its circumferential dimensions.

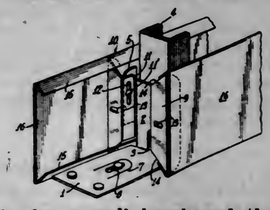
2,365,477
TAPE-SERVING MECHANISM
Alfred P. Krueger, Stratford, Conn., assignor to Derby Sealers, Incorporated, Derby, Conn., a corporation of Connecticut
Application May 24, 1944, Serial No. 537,036
21 Claims. (Cl. 164—49)

1. In a tape-dispensing machine, feed rolls between which the tape is fed forwardly, an oscillatable member through which power is applied to feed the tape, means connecting said member to one of said rolls, said means comprising an actuator connected to said roll to rotate the latter upon the forward movement of the actuator, and



means for limiting the return movement of the actuator, said member having a lost-motion connection with the actuator to permit continued rearward movement of said member while said actuator is held by said limiting means.

2,365,478
WALL CLIP
Frank La Grotta, New York, N. Y., assignor to Conver Steel & Wire Co. Incorporated, a corporation of New York
Application January 17, 1941, Serial No. 374,801
3 Claims. (Cl. 72—46)



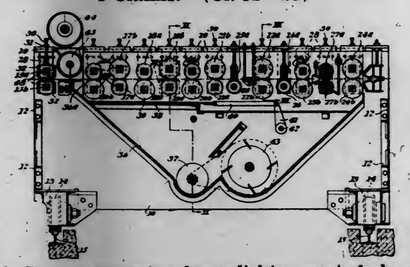
1. A clip for a wall baseboard that has inwardly extending flanges at its top and bottom edges, which includes a base and a web extending upwardly therefrom, means for securing the base to a floor of a building construction so as to permit the web to move upwardly or downwardly, a locking member pivotally mounted on the web and adapted to swing in the plane of the face of the baseboard to wedge between the upper and lower flanges thereof, and means for preventing the movement of the locking member in angular relation to the axis of its pivot.

2,365,479
DISPERSIBLE COMPOSITIONS
Joseph W. Lang, Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 1, 1940, Serial No. 349,301
16 Claims. (Cl. 106—308)

1. The process which comprises suspending particles of an insoluble solid in aqueous medium in the presence of an aqueous solution of a water-soluble salt of a water-insoluble protective agent which is capable of being converted to the protective agent by the action of an acid and in excess of that which adheres as films to such particles when they are suspended in aqueous medium, said protective agent being reconvertible into a dispersion agent in quantity in excess of that which the pigment is capable of adsorbing, acidifying the mixture to convert the adherent water-soluble salt to films of the protective agent on said particles, and removing

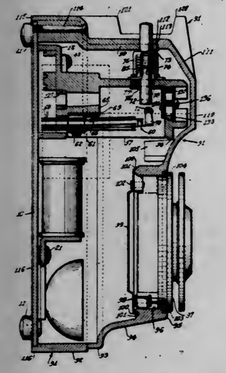
the suspending medium and dissolved electrolytes until a non-suspended composition is formed, said protective agent being present in the proportion of about 0.1 part to about 9 parts per part of said particles.

2,365,480
APPARATUS FOR POLISHING COATED SHEET METAL
Donald A. McArthur, Warren, Ohio, assignor to The Wean Engineering Company, Inc., Warren, Ohio, a corporation of Ohio
Application December 30, 1942, Serial No. 470,669
5 Claims. (Cl. 51—23)



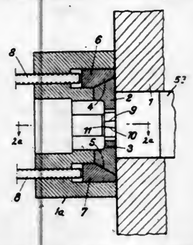
1. In an apparatus for polishing coated sheets, a plurality of pairs of rolls between which the sheets pass, said rolls being composed of a mandrel or shaft and fabric discs packed thereon against an abutment fixed to the mandrel adjacent one end, one roll of each of certain of said pairs having its discs packed from one side of the apparatus and one roll of each of the remaining pairs having its discs packed from the other side of the apparatus.

2,365,481
WALL TELEPHONE SUBSET
Ernest S. McLarn, Manhasset, N. Y., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application October 30, 1942, Serial No. 463,921
11 Claims. (Cl. 179—100)



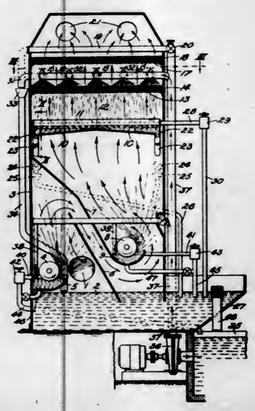
1. A wall telephone instrument comprising a panel adapted to be secured to a wall, a cover therefor having a cradle for a hand set formed thereon, a recess formed in said cover in the area of said cradle, a member secured to said panel, said member having a flanged edge adapted to fit into said recess, an opening in said member, a cradle plunger extending from the interior of said instrument through said opening adapted to be depressed when engaged by a hand set placed in said cradle.

2,365,482
PRESS FOR MAKING WORKPIECES TAPERING IN LONGITUDINAL DIRECTION
Wilhelm Mänken and Otto Uhlmann, Waren, near Berlin, Germany; vested in the Alien Property Custodian
Application June 25, 1940, Serial No. 342,400
In Germany November 15, 1938
10 Claims. (Cl. 18—12)



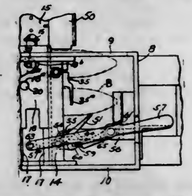
7. In a press for making a work-piece tapered in the direction of pressing, a die comprising a plurality of movable parts, adjustable means holding said die parts selectively in any one of a plurality of relative positions, a press plunger for pressing the work-piece through said die parts in one direction, the inner surfaces of said die parts being tapered in the driving direction of said press plunger, and a fixed die mounted in the rear of said movable die parts whereby to mask a portion of the gap between said die parts after said die parts have moved apart a predetermined distance.

2,365,483
SEPARATION OF FINE PARTICLES FROM GASES BY THE AID OF A WASHING LIQUID
Walter Fritz Mode, Cheam, England, assignor to Traughber Engineering Company, Cleveland, Ohio, a corporation of Ohio
Application June 29, 1942, Serial No. 448,990
In Great Britain July 1, 1941
1 Claim. (Cl. 261—92)



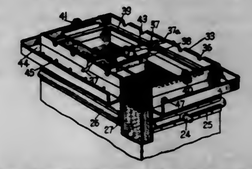
Gas cleansing apparatus comprising a tower having a gas inlet to permit gas to be introduced therein, a first spray producing means within said tower, a second spray producing means within said tower, a partition within said tower separating said spray producing means but permitting gas to pass from the first to the second of said spray producing means, a sloping floor beyond said second spray producing means having openings therein to permit the passage of gas therethrough, cap members over said openings to force gas passing through said openings beneath the surface of a body of liquid supported by said floor, said floor having a first outlet at the foot of the slope and a second outlet above said first outlet, means to regulate the flow of washing liquid through said first outlet to control the current of washing liquid sweeping over said floor, means to regulate the flow of washing liquid through said second outlet to control the current of washing liquid across the surface of said body of liquid through said second outlet, and means to supply relatively clean washing liquid to said body to maintain said body at the level of said second outlet.

2,365,484
FEED MECHANISM FOR MACHINE GUNS
Frederick T. Moore, deceased, late of West Hartford, Conn., by Phoenix State Bank and Trust Company, administrator, Hartford, Conn., assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn., a corporation of Connecticut
Application November 20, 1939, Serial No. 305,240
12 Claims. (Cl. 89—33)



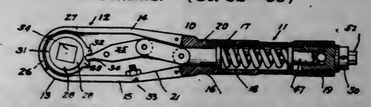
1. In an automatic firearm, the combination of a casing and feed box provided with a feed channel extending therethrough transversely to the longitudinal axis of the firearm and adapted to receive a feeder assembly comprising a feeder loaded with cartridges, a barrel projecting forward from said casing, feeding mechanism including a feed slide reciprocable in said feed channel for movement in feeding and retrograde directions in timed relationship with the functioning of the firearm, a spring-pressed pawl carried by said slide and adapted upon movement of the slide to engage a feeder assembly and move it intermittently through said feed channel, means mounted in the feed box in the path of movement of the cartridges in the feeder assembly and adapted to automatically disengage from the feeder the foremost cartridge therein near the end of each movement of the feeder assembly in feeding direction, a stop movably mounted in the feed box adjacent the feed slide and having a portion positioned in the path of movement of the feeder assembly through the channel at the commencement of each feeding movement thereof and adapted to engage a portion of said assembly and stop movement of said assembly in feeding direction through the feed channel prior to engagement of the foremost cartridge in the feeder with said disengaging means, and additional means movably mounted in the feed box and interconnected with and operable by said feeding mechanism at the commencement of each feeding movement of said feed slide to move the stop from its assembly engaging position to permit further movement of said feeder assembly in feeding direction and effect disengagement of the foremost cartridge therein from the feeder by said disengaging means.

2,365,485
FILM DEVELOPING RACK
Walter B. Moore, Coshocton, Ohio
Original application December 14, 1939, Serial No. 309,221. Divided and this application June 21, 1943, Serial No. 491,648
2 Claims. (Cl. 95—100)



1. A film developing rack of the type described comprising a rectangular frame portion having a depending skirt which is adapted to fit into the upper end of a film developing tank, V-shaped notches formed on the upper edge of said frame, said notches arranged in series on opposite edges of said frame, each pair of notches adapted to receive a transversely extending pin, said pin having shoulder portions at substantially the ends thereof, a centrally-depressed portion of said pin adapted to support clamps for suspending the film, a retaining member hinged to the frame at one end and having a spring latch which cooperates with a keeper member formed on the other end of said frame portion and said retaining member adapted to bear against the shoulders of said pin to prevent longitudinal movement of said pin as well as lateral movement thereof.

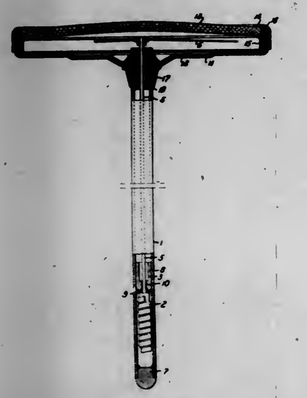
2,365,486
SET TORQUE WRENCH
Harry P. Morris, Coronado, Calif.
Application August 17, 1942, Serial No. 455,095
2 Claims. (Cl. 81—53)



1. A set torque wrench, comprising a housing having a cavity at one end thereof and being formed with a cylindrical handle at the opposite end thereof disposed in longitudinal alignment with the cavity, said cavity being closed at opposite sides by flat parallel wall sections spaced from each other and through which aligned annular openings occur, a wrench head disposed between said walls and having cylindrical bosses extending oppositely and outwardly through said openings to rotate relative thereto, said head being formed with a central passageway of a configuration to receive an object to be rotated, a pair of spaced radial lugs projecting from the side face of the head within the cavity and forming an intermediate seat normally disposed in the plane of the longitudinal axis of the wrench structure, a lever pivoted between said side wall sections upon an axis normal to the longitudinal axis of the wrench and lying along the plane of the center line of the wrench, said lever being formed at one end with an operating finger extending into the seat, a link pivotally connected to the opposite end of said lever, whereby the link and lever will form a toggle joint, a pressure rod longitudinally slidable within the handle of the wrench and pivotally connected to the link, a compression spring mounted within the handle and bearing against the end of the pressure rod, a plug resting upon the outer end of said spring,

and an adjustable cap threaded into the end of the handle, whereby the tension upon the spring may be varied, said toggle structure being normally held with its elements in angular relation to each other by compression of said spring to hold the wrench head with its lugs and seat disposed at an angle to the longitudinal center of the wrench, whereby a torque force exerted against the handle of a magnitude greater than the set compression of the spring will tend to straighten the toggle and permit relative rotation of the wrench body and handle with relation to the wrench head.

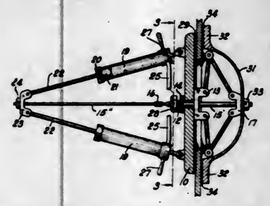
2,365,487
BIMETALLIC THERMOMETER
Royal H. Murray, Newark, N. J., assignor to Weston Electrical Instrument Corporation, Newark, N. J., a corporation of New Jersey
Application January 29, 1942, Serial No. 428,785
5 Claims. (Cl. 73—367)



1. In a bimetallic thermometer, a casing comprising a hollow stem closed at one end and opening into a scale chamber at its other end, a bimetallic operating element within the closed end of the stem, a staff secured to said element and extending through said stem into said scale chamber, a pointer carried by the staff for cooperation with a scale plate within said scale chamber, a bushing within said stem between the operating element and the scale chamber, said bushing having a bore therethrough for receiving said staff with a loose fit, and castor oil within said hollow stem for damping said operating element.

2,365,488
SHIP REPAIR PATCH
Adolph Nelson, near Las Animas, Colo.
Application March 2, 1944, Serial No. 524,719
7 Claims. (Cl. 114—227)

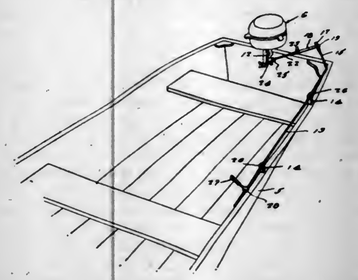
1. A ship repair patch comprising, a rigid patch plate, an actuating rod reciprocably and perpendicularly intersecting said plate, hinged links operatively connecting, in fixed spacing of their inner ends relative to said plate, between one side of said plate and the corresponding end of said rod for extension of their members radially outwardly of and toward said plate in response to axial shifting of said rod in one direction, pressure-extensible cylinder and piston assemblies operatively between the other side of said plate and the corresponding rod end, and means for supplying fluid under pressure to said assemblies for link-actuating shifting of said rod.



2,365,489
WELL-DRILLING MUD
Everett P. Partridge, Beaver, Pa., assignor to Hall Laboratories, Inc., Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application February 15, 1943, Serial No. 475,909
11 Claims. (Cl. 252—8.5)

1. Well drilling mud comprising an aqueous dispersion of clay and a slowly soluble phosphate glass containing about 37 to 65 mol per cent of P_2O_5, said phosphate glass containing material of the class consisting of the oxides of the second-group metals Ca, Sr, Ba, Mg and Zn and the oxides of the alkali-metals, the molar ratio of said second-group metal oxides to said alkali-metal oxides being at least about 1:1.

2,365,490
OUTBOARD MOTOR STEERING DEVICE
Rudolph William Pieron, Beaver Dam, Wis.
Application February 8, 1944, Serial No. 521,553
2 Claims. (Cl. 115—18)

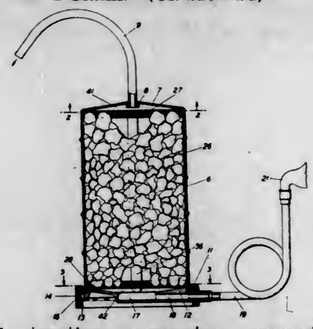


1. A device for steering a boat equipped with an outboard motor, from a point remote from said outboard motor, comprising a horizontal steering shaft, means for mounting said steering shaft upon and above the upper edge of one side wall of the boat for free rotation, said steering shaft having a lateral upwardly and inwardly inclined crank arm at its rear end adjacent the stern of the boat, means including a telescopically adjustable link connecting said crank arm with the steering lever of the outboard motor, said last-named means including a pivotal connection between the link and said steering lever and a universal joint between the link and said crank arm, and a short lateral operating lever mounted on and projecting inwardly from said steering shaft for rotating the latter.

2,365,491
COLD-MOLDING COMPOSITION
Paul O. Powers, Manheim Township, Lancaster County, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
No Drawing. Application April 19, 1941, Serial No. 389,330
18 Claims. (Cl. 106—235)

1. A composition substantially free of volatile constituents suitable for cold-molding comprising about 65 to about 75 parts by weight of a filler in about 35 to about 25 parts by weight of a binder, said binder comprising a resinous pitchy material and a resin having a higher melting point and exhibiting a degree of incompatibility with said resinous pitchy material such that a molded piece of the composition has an initial penetration value between about 0.005 and 0.015 inch in the first minute and an M-value between about 0.08 and 0.15.

2,365,492
FLUID-TREATING APPARATUS
Wentworth M. Pratt, Los Angeles, Calif.
Application June 23, 1942, Serial No. 448,100
1 Claim. (Cl. 210—24)

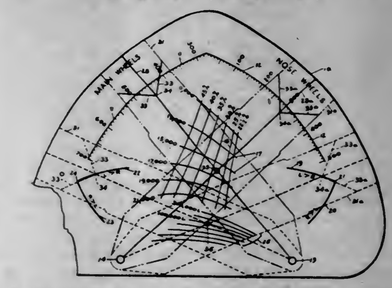


Fluid-treating apparatus, comprising a straight-sided cylindrical vessel, a head closing each end thereof, means for connecting a conduit to each of said heads in communication with the interior of said vessel, means associated with each of said heads for confining fluid-treating material within said vessel, said confining means being spaced from said heads and thereby providing manifold spaces with which said conduits communicate, each of said confining means comprising a disc of foraminous material and an upstanding peripheral flange thereon, and means establishing a force fit between said discs and said vessel comprising a plurality of beads on the interior surface of said vessel and projecting inwards therefrom to an addendum circle of less diameter than that of said discs whereby said flanges are deformed when said discs are pressed into position within said vessel.

2,365,493
PURIFICATION OF p-PHENETIDINE
Clarence Leonard Richardson, Jr., Carneys Point, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 7, 1942, Serial No. 454,075
5 Claims. (Cl. 260—575)

1. In a process for purifying crude p-phenetidine, obtained by the catalytic hydrogenation of para-nitro-phenetole, the steps which comprise heating the crude p-phenetidine in admixture with from about 1% to about 10% of an inert finely divided solid activated adsorbent material at a temperature of from about 60° C. to about 250° C., filtering out the adsorbent and the adsorbed impurities, adding a solution of 0.1% to about 3% of an alkaline sulfide, based on the p-phenetidine, heating at a temperature of from about 85° C. to about 125° C. for several hours and then distilling in the presence of hydrogen sulfide to recover purified p-phenetidine.

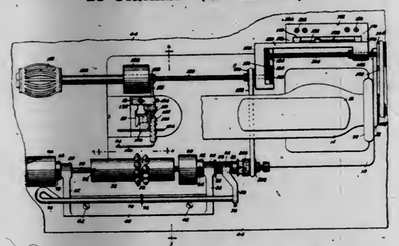
2,365,494
COMPUTER FOR AIRCRAFT LOAD DISTRIBUTION
Ernest W. Schlieben, Scarsdale, and William Friedman, New York, N. Y., assignors to York Research Corporation, New York, N. Y.
Application January 1, 1944, Serial No. 516,626
5 Claims. (Cl. 235—61)



1. In an instrument for the determination of the horizontal position of the center of gravity of an aircraft by means of load reactions caused by the weight of the grounded aircraft: a chart having two coordinate lines, each of said coordinate lines forming a circular arc around a different center point and being calibrated according to values indicating the magnitude of said load reactions; two movable indicators on said chart, each associated with a different one of said coordinate lines and adapted to rotate around the center point of its associated coordinate line and having an indicating line radially extending along each indicator, said indicating lines intersecting at each position of said indicators within the range of operation of the instrument; a runner on at least one of said indicators, said runner being adapted to slide radially on said indicator and having two intersecting hair lines, said hair lines being so arranged that the angle between them would be bisected by a line passing through their intersection and the center point of the indicator on which said runner slides; a family of lines on an area of the chart over which the intersections of said indicating lines move when the indicators are operated, each line of said family representing points of equal longitudinal positions of the center of gravity of the aircraft as determined by the intersections of said indicating lines when set according to the given load reactions on said two coordinate lines; a second family of lines on said same area of the chart, each line of said second family representing values of the moments around the longitudinal axis of said aircraft as caused by said load reactions, said moments being determined by the intersections of said indicating lines when said indicators are set in accordance with the values of said load reactions, the setting of the indicators being determined by two pairs of curves on said chart within the op-

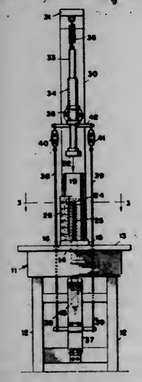
erating area of said indicators, each pair of curves being associated with a different one of said indicators and enabling a setting of said indicators so that the angle between each indicating line and a reference line is always proportional to the difference between the values on the associated coordinate line to which the hair lines on said runners had been set.

2,365,495
METHOD OF AND APPARATUS FOR UNITING MESH FABRICS
Charles Seaman, Jamaica Estates, N. Y.
Application June 16, 1943, Serial No. 490,991
18 Claims. (Cl. 112—2)



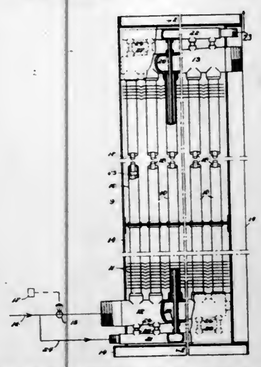
1. In combination with a zig-zag sewing machine for joining two pieces of mesh fabric together at the longitudinal edges thereof with the pieces extending in opposite directions from the seam, means to progressively engage the interstices adjacent the respective edge of each piece of fabric and align said pieces with said edges in substantially abutting relationship, means to feed the thus-aligned materials with the edges thereof in position for zig-zag stitching, and means before and after the aligning means to inhibit overlapping of the two fabrics at the edges thereof.

2,365,496
MOISTURE-MEASURING INSTRUMENT
Charles S. Shaw, Leland, Miss., assignor to United States of America, as represented by the Secretary of Agriculture
Application October 19, 1943, Serial No. 506,835
2 Claims. (Cl. 73—73)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An instrument for measuring the absorbed moisture content of a sample of resilient hygroscopic fibrous substance comprising: a stand, an upright rigid wall cylinder having an open top and mounted on the strand, a compression spring in the cylinder, a follow-block mounted within the cylinder in engagement with the spring and freely movable downwardly against its action, a pointer movable with the follow-block, a scale traversed by the pointer, a pressure-block mounted to move downwardly into the open end of the cylinder, said follow-block and pressure-block having substantially the same cross-sectional areas as the inside of the cylinder, a stop movable with the pressure-block and engaging the upper end of the cylinder to limit downward movement of the pressure block into the cylinder, and means for moving the pressure-block into the cylinder to apply pressure to a definite unit weight of a sample of the substance when placed in the cylinder on the follow-block, whereby the moisture content of the sample may be determined by comparing the pressure exerted by it when compressed to that of the same definite unit weight of a known moisture-content sample of a similar substance when compressed under like circumstances.

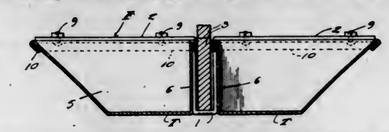
2,365,497
NONFREEZING RADIATOR
Milton S. Smith, Maplewood, N. J., assignor to Buensod-Stacey, Incorporated, a corporation of Delaware
Application April 16, 1942, Serial No. 439,191
7 Claims. (Cl. 257—2)



1. A heat radiator comprising a steam supply header, a condensate discharge header, a plurality of main transfer tubes having their ends connected to and in open communication with said headers and having outer surfaces which are adapted to transfer heat to air passing over them means for supplying steam to said supply header throttled in accordance with variations in heat load on said main tubes, a plurality of smaller tubes each disposed within and extending lengthwise through one of said main tubes, means for supplying steam to said smaller tubes at substantially constant pressure, and means for draining condensate from said smaller tubes independently of said discharge header.

2,365,498
TROUGH STRUCTURE
Henry W. Specketer, Alta, Iowa
Application April 2, 1943, Serial No. 481,617
4 Claims. (Cl. 119—61)

1. A trough structure comprising two substantially duplicate frames each including an upright substantially U-shaped member to receive the lower edge of a partition of a hog house for holding the structure in position, said frames also including outstanding elongated members at the

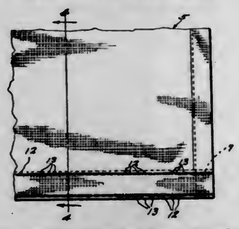


upper portions of the U-shaped members, and a trough detachably secured to said members.

2,365,499
PROCESS FOR ISOLATION OF GRAMICIDIN
Max Tishler, Rahway, N. J., assignor to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application September 30, 1941, Serial No. 413,003
6 Claims. (Cl. 260—236.5)

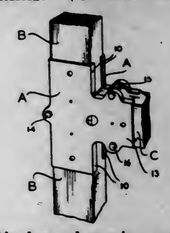
1. Process for the production of gramicidin which comprises the steps of centrifuging off the solid material, at speeds in excess of 3,500 R. P. M., from an unacidified incubated culture of a spore forming bacillus which produces gramicidin, extracting the said solid material with a neutral organic water-miscible solvent, removing this solvent from the extract, extracting the resulting residue with ether, separating the ether from the ether extract, and washing the product with petroleum ether.

2,365,500
NETTED CURTAIN
Norman Topliss, Yonkers, N. Y., assignor to Home Curtain Corp., New York, N. Y., a corporation of New York
Application July 17, 1943, Serial No. 495,182
1 Claim. (Cl. 160—330)



A regulation style elongated netted curtain for use in connection with a conventional window having top, bottom and longitudinal hems, the latter constituting the side hems and each side hem being constructed by folding the marginal edge of the material upon and against the body portion, the free terminal raw edge of said hem fold being turned back under and tucked in between itself and the body portion, a chain stitch seam running through and joining the body, hem fold and raw edge fold together, a second chain stitch seam connecting the body and hem fold together and being located parallel to and spaced inwardly from the marginal edge fold between said body portion and hem fold, the flat sides of both rows of chain stitches laterally overlying the surface of said body portion and being disposed on the rear side of the curtain, both of said chain stitched seams being run through the hem simultaneously and from a single stitching machine thereby providing uniform spacing between the rows of stitching, and coacting in providing an appreciably substantial hem virtually free from unsightly puckering and sagging.

2,365,501
BUILDER'S SAFETY PLATE BRACKET UNIT
Emil A. Walstrom, St. Louis Park, Minn., assignor to Builders Safety Products, Inc., St. Louis Park, Minn., a corporation of Minnesota
Application July 13, 1942, Serial No. 450,823
6 Claims. (Cl. 304—40)



1. A unitary timber clamping plate means including a pair of sheet metal plates each formed from a single piece of metal, peripheral flanges extending parallel and adapted to receive the parallel edges of wooden timbers therebetween, bolt receiving ears reinforced by said peripheral flanges and projecting beyond the timber lines, and a series of bolts adapted to clamp said plates together over the sides of connecting timbers to securely fasten the same together.

2,365,502
FISHING LURE AND METHOD OF MANUFACTURE
Lehn W. Weesner, Cincinnati, Ohio
Application May 15, 1943, Serial No. 487,137
6 Claims. (Cl. 43—42)

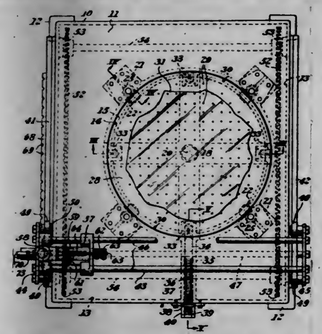


1. In a fishing lure, a member providing a shank, a flat strip of fibrous material arranged in convolutions on said shank and a body of feathers of contrasting colors extending from the shank in one direction only, the feathers forming the body being adhesively secured to the strip at spaced points thereon and being disposed between the convolutions of the strip, the feathers of each particular color being arranged with respect to each other on the strip in a symmetrical pattern.

2,365,503
METHOD AND APPARATUS FOR SCORING COVER GLASS
Theodor G. Weihs, Pittsburgh, Pa.; now by judicial change of name Theodore G. White, assignor to American Window Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application March 27, 1942, Serial No. 436,425
5 Claims. (Cl. 33—26)

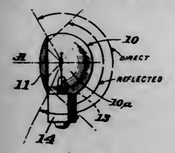
1. In an apparatus for scoring glass sheets, a table for supporting a sheet in position for engagement by a scoring tool traveling across said

sheet, said table including a perforated top plate, a suction chamber therebelow and a perforated



carrier plate removably disposed on said top plate and adapted to receive a sheet to be scored.

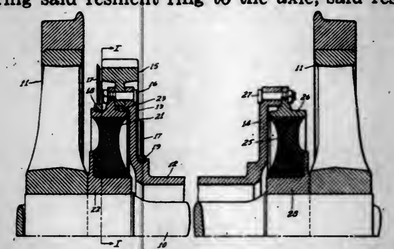
2,365,504
LAMP
Charles Adler, Jr., Baltimore, Md.
Application June 9, 1944, Serial No. 539,563
2 Claims. (Cl. 176—34)



1. A lamp having a sealed chamber, the wall of the chamber having a concave mirrored portion and a light transmitting area convexly disposed with respect to the mirror and substantially overlying the entire opposed area of the same, a light source supported within the chamber so as not substantially to interfere with the use either of substantially the entire reflector surface, particularly the central portion thereof, or substantially the entire light transmitting area, whereby the reflected illumination is free of dead spots, the light source being connected to a lamp base extending externally of the chamber, said base being connected to the chamber at a point which does not substantially interfere with the use of either substantially the entire reflector surface particularly the central portion thereof or substantially the entire light transmitting area, whereby the reflected illumination is free of dead spots, said light source being so located with respect to the margin of the reflector as to produce at least a spherical angle of illumination substantially of the order of a hemisphere.

2,365,505
VEHICLE DRIVE
Frank L. Alben, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 18, 1942, Serial No. 458,805
8 Claims. (Cl. 105—131)

1. In a vehicle drive mechanism, in combination, a wheel axle, a rotatable quill surrounding the axle, a flange on the quill, a gear rim secured to the flange, a ring of resilient material surrounding the axle and removably secured to said flange for connecting the quill to the axle, and means concentric with the resilient rings for securing said resilient ring to the axle, said resili-

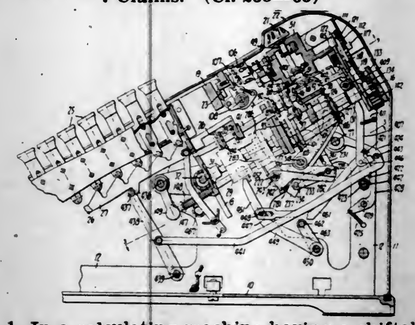


ent ring and said securing means being disposed substantially within said gear rim.

2,365,506
POLYMERIZATION OF VINYL COMPOUNDS
Claude H. Alexander, Cuyahoga Falls, and Frank K. Schoenfeld, Silver Lake, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application January 27, 1941, Serial No. 376,179
9 Claims. (Cl. 260—88)

1. In the process of polymerizing a chlorine-substituted ethylene in which chlorine is attached to one only of the carbon atoms in an aqueous emulsion with a peroxygen catalyst, the step which comprises carrying out the reaction in the presence of a water-soluble lead salt of a saturated fatty acid.

2,365,507
CALCULATING MACHINE
Philip H. Allen, Richmond, Calif., assignor to Friden Calculating Machine Co. Inc., San Leandro, Calif., a corporation of California
Application January 27, 1940, Serial No. 315,981
7 Claims. (Cl. 235—63)



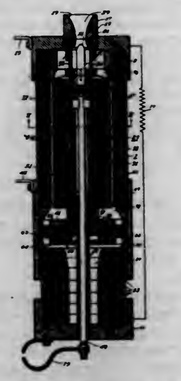
1. In a calculating machine having a shiftable carriage, a dividend register in said carriage, actuating means for said register, means including a keyboard for entering a divisor, and means for shifting said carriage, means for dividing an amount registered in said dividend register by an amount set in said keyboard by a subtractive operation, including manually operable control means for initiating a division operation, said control means having one movement for setting the machine for division and a subsequent movement for initiating the division operation, sensing means enabled by said manually operable control means upon said initial movement thereof for sensing values other than zero in numeral wheels ordinarily aligned with said actuating

means and of higher order than the keyboard set-up, and means responsive to the sensing of a value other than zero by said sensing means to prevent subtractive operation upon said subsequent movement of said manually operable control means and to initiate a shifting operation to bring the values of the dividend and divisor into alignment for said subtractive operation.

2,365,508
CORK COMPOSITIONS
Paul R. Austin, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 9, 1940, Serial No. 356,116
2 Claims. (Cl. 260—9)

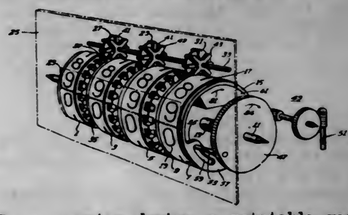
1. A composition of matter comprising finely divided cork bonded with thermoplastic bonding material in amount of from 5% to 80% by weight of said composition, said bonding material being a fusible synthetic linear polymer of intrinsic viscosity above 0.4 which consists essentially of polyesteramide composed of ester and amide groups in substantial amount and in preponderant amount of ester groups, and which is the reaction product of a diisocyanate with the low molecular weight polyesteramide obtained from reacting material selected from the group consisting of (*a*) mixtures of monoaminomonocarboxylic acid, dibasic carboxylic acid, and glycol, (*b*) mixtures of diamines, dibasic carboxylic acid and glycol, and (*c*) mixtures of dibasic carboxylic acid and monoaminomonohydric alcohol.

2,365,509
CIRCUIT INTERRUPTING DEVICE
Benjamin P. Baker, Turtle Creek, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 26, 1941, Serial No. 420,515
11 Claims. (Cl. 200—149)



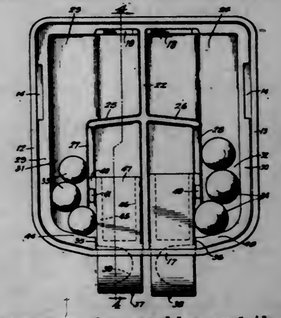
1. In a circuit interrupter, a pair of fixed electrodes one being annularly shaped and the other projecting into the throat of said annularly-shaped electrode and spaced therefrom, an annular insulating member positioned within said annular electrode at a place which is at a shorter distance to the other electrode than is any part of said annular electrode, means for establishing an arc between said fixed electrodes, means for lengthening the arc and extingushing it, said annular insulating member increasing the restriking distance between the electrodes after the lengthened arc has been extinguished.

2,365,510
METER REGISTER
Thomas D. Barnes, West Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 22, 1942, Serial No. 463,001
9 Claims. (Cl. 235—91)



1. In a counter device, a rotatable member, means mounting said rotatable member for rotation about an axis, said rotatable member having indicia angularly spaced about said axis to be successively displayed by said rotatable member as said rotatable member rotates adjacent a viewing point, and means for actuating said rotatable member from a first position displaying a first indicium at said viewing point to a second position displaying a second indicium at said viewing point, said last-named means comprising driving means mounted for rotation about said axis, said rotatable member and said driving means having interfitting parts constituting lost-motion coupling means coupling said driving means to said rotatable member, said lost-motion coupling means permitting rotation of said rotatable member about said axis independently of said driving means for an angular distance equal to the spacing of said positions, and means responsive to rotation of said rotatable member for urging said rotatable member from said first position towards said second position when said rotatable member arrives at said first position.

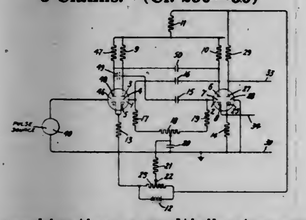
2,365,511
DISPENSER FOR MARBLES AND THE LIKE
James F. Barnes, Chicago, Ill., assignor to James F. Barnes, as trustee
Application May 13, 1942, Serial No. 442,858
6 Claims. (Cl. 312—49)



1. A dispenser for marbles and the like, comprising a casing providing a chamber for receiving a plurality of marbles, said casing being provided with an opening in the lower portion thereof, a member slidably received for vertical movement within said opening and equipped with a recess for receiving marbles, the member being movable between a position wherein the recess

is within the chamber and may receive marbles therefrom and a position wherein the recess is outside the chamber and the marbles therein may be discharged, and a wall in the lower portion of the chamber for supporting said marbles, said wall being inclined downwardly from a vertical side wall of the chamber toward the recess whereby, when the member is in said first-mentioned position, marbles will pass along the wall from the chamber into the recess, said opening being closed by the member in all positions thereof.

2,365,512
MULTIVIBRATOR
Everhard H. B. Bartelink, West Milton, N. Y., assignor to General Electric Company, a corporation of New York
Application March 24, 1943, Serial No. 480,337
3 Claims. (Cl. 250—36)



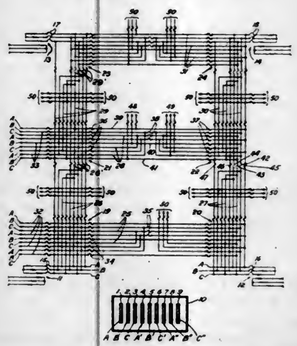
1. In combination, a multivibrator comprising a pair of electron discharge devices connected in multivibrator relationship, a third electron discharge device, means to supply pulses of current through said third device to one of said pairs of devices to interrupt current therein, whereby the potentials on the anodes of said third and said one device vary oppositely, and undesired capacity coupling between the anodes of said third and said one device tends to oppose said opposite variations, and means responsive to current in the second of said pair of devices to neutralize the effect of said undesired capacity.

2,365,513
APPLIANCE FOR PLAYING GAMES OF SKILL
Robert Elgar Bartle and Frederick Riley, Hull, England
Application April 22, 1943, Serial No. 484,012
In Great Britain February 11, 1942
2 Claims. (Cl. 273—100)



1. An appliance for playing games, comprising an elongated upright member having a relatively small base terminating at the lower end and a handle at the upper end protruding laterally from said member, whereby said member may be jerked up and down by the player, and a plurality of pegs at successive intervals from bottom to top of said member, successive pegs projecting in different directions each from the next preceding one, and a ring on said member having an inside diameter less than the diameter of said base and greater than the combined length of any peg and diameter of the said member.

2,365,514
ALTERNATING CURRENT NETWORK
Lester L. Bosch, Cincinnati, Ohio, assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a corporation of Connecticut
Application March 3, 1942, Serial No. 433,201
6 Claims. (Cl. 175—294)

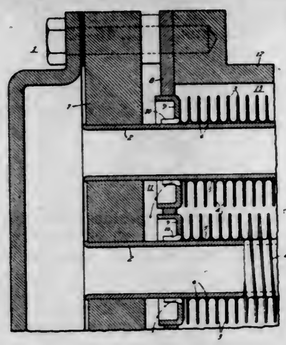


1. A system for changing the impedance of a tie line in an electrical network supplied by a plurality of sources of current, including means for normally passing current over a plurality of busses lying closely adjacent each other and connected in interleaved multiple fashion and means automatically responsive to overload current flow for breaking the multiple connections between busses and confining the current flow to a lesser number of conductors, whereby the impedance of said tie line is increased.

2,365,515
WATER COOLER
René A. Baudry, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 10, 1943, Serial No. 490,289
4 Claims. (Cl. 257—236)

1. A heat-exchange unit having a header at each end, a series of liquid-conducting tubes between the headers, a finned heat-exchange tube on each liquid-conducting tube, each heat-exchange tube having a spiral fin formed integrally thereon as a part of the wall of the tube, the parts of the heat-exchange tube between the successive convolutions of its spiral fin being in good heat-exchange engagement with respect to the liquid-conducting tube, the spiral fin providing a small spiral duct between the heat-exchange tube and the liquid-conducting tube, each header having a main sheet-member to which the ends of the liquid-conducting tubes are joined, and at least one of the headers having a spaced auxiliary sheet-member to which the ends of the heat-exchange tubes are joined, said auxiliary

sheet-member providing communication from the several spiral ducts to the space between said

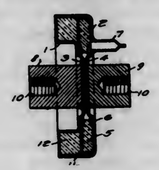


auxiliary sheet-member and the main sheet-member of its header.

2,365,516
REFRIGERANTS AND PROCESS OF MAKING THEM
Anthony F. Benning, Woodstown, and Frederick B. Downing, Penns Grove, N. J., and Roy J. Plunkett, Wilmington, Del., assignors to Kinetic Chemicals, Inc., Wilmington, Del., a corporation of Delaware
No Drawing. Application July 10, 1940, Serial No. 344,666
5 Claims. (Cl. 260—653)

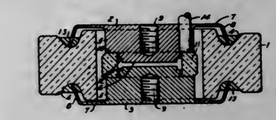
1. In the process of adding a hydrohalide of the group consisting of HCl and HBr to a halogen substituted ethylene containing 1 to 4 halogen atoms of which at least one is fluorine and the others are chlorine, the steps which comprise heating an anhydrous mixture of the hydrohalide and the halogen substituted ethylene at temperatures of from about 150° C. to about 400° C. in the presence of active carbon for sufficient time to produce a substantial amount of the addition product and then separating the addition product from the reaction mixture.

2,365,517
ELECTRIC DISCHARGE DEVICE
William E. Berkey, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 13, 1941, Serial No. 418,938
4 Claims. (Cl. 250—27.5)



1. An electric discharge device comprising a pair of generally cup-shaped electrodes, one of said electrodes being of smaller diameter than the other, and the electrodes being disposed in nested relation, an insulating spacer member disposed between the electrodes spacing them apart, insulating sealing-means in the annular space between the side walls of the electrodes sealing them with a vacuum-tight seal, and terminal means secured to each of the electrodes, said terminal means having high thermal capacity of the electrodes.

2,365,518
ELECTRIC DISCHARGE DEVICE
William E. Berkey, Forest Hills, and William H. Cuttino, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 17, 1941, Serial No. 411,142
4 Claims. (Cl. 175—30)



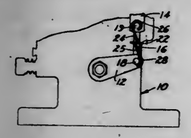
1. A spark gap device comprising a generally cylindrical container member of insulating material, said container member having an annular groove in each of its end surfaces, a pair of metal electrodes disposed at opposite ends of the container member, each of said electrodes having a massive central portion which extends into the container and a relatively thin peripheral portion, the central portion of each electrode having a plane sparking surface of large area within the container, and the peripheral portions of the electrodes having annular flanges which extend into the grooves in the end surfaces of the container, means for fastening the annular flanges of the electrodes in the grooves of the container to form a gas-tight seal, and insulating spacing means within the container for spacing the sparking surfaces of the electrodes a predetermined, uniform distance apart.

4. A low-pressure, partially evacuated spark gap device comprising an annular housing member of an insulating material which is susceptible of having a closely adhering metallic coating applied to its surface, said housing member having an annular groove in each of its end surfaces, the surface of each groove having a closely adhering metallic coating thereon, a pair of terminal electrode members of metal, each electrode member having an inwardly bent peripheral flange extending into the annular groove at its end of the housing member, and a mass of solder filling each groove for making an air-tight soldered seal between the electrode and the housing member.

2,365,519
PROCESS OF PREPARING SHRIMP FOR CANNING
Clyde H. Bloedorn, Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application July 31, 1941, Serial No. 404,927
1 Claim. (Cl. 99—188)

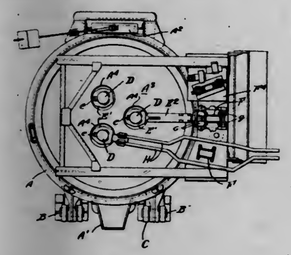
The process of preparing shrimp for canning which consists in removing the head and shell, spreading the shrimp after washing in a single loose layer on an open mesh traveling conveyor thereby presenting maximum surface for direct steam contact and freedom to curl, subjecting the shrimp on the conveyor to direct contact jets of live steam from above and from below for a period of from five to twelve minutes for fixing the color and flavor and for firming the meat and curling the shrimp, and packing and sealing the shrimp in a container in a brine solution.

2,365,520
FASTENING DEVICE
Leonard E. Bogue, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application November 29, 1941, Serial No. 420,990
14 Claims. (Cl. 287—94)



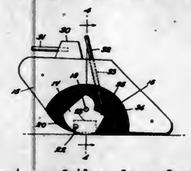
1. In combination, a rod having laterally turned end portions, a lever pivoted on each end portion, and a fastening device, said device including an intermediate portion clipped onto the rod and adapted to frictionally engage the rod, and arms extending longitudinally of the rod, the ends of the arms being positioned adjacent the sides of the respective levers opposite the rod.

2,365,521
ELECTRIC ARC FURNACE
Frank W. Brooke, Pittsburgh, Pa., assignor to Swindell-Dressler Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application February 16, 1943, Serial No. 476,078
2 Claims. (Cl. 13—14)



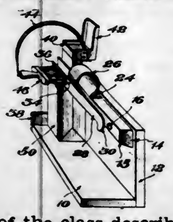
1. In an electric arc furnace, the combination of a vertical mast, an electrode supporting crosshead mounted on said mast for movement longitudinally thereof, a cable connection between the upper end of said mast and said crosshead through which the latter is supported, said cable connection comprising a resilient deadend connection device and a guide pulley, each mounted on said mast at its upper end, a winch, a cable extending over said pulley and connected at one end to said winch and having its other end connected to said device and having a portion between said pulley and device forming a depending loop engaging and supporting said crosshead, a switch mounted on the top of the mast and actuated by said device on an interruption in the normal cable tension, a locking device mounted on said crosshead and biased for movement into locking engagement with the mast, an electro magnet for holding said locking device in an idle position, an electric motor for operating said winch and means including said switch for connecting said electromagnet and motor to an energizing source of current whereby said electromagnet is deenergized by a failure of the source to supply current and by an abnormal reduction in the tension of the cable.

2,365,522
GRAVITY-ACTUATED FIGURE TOY
Owen F. Croggon, Hyattsville, Md.
Application March 28, 1944, Serial No. 528,465
4 Claims. (Cl. 46—219)



1. In a figure toy of the class described having a rockable body member: an oscillatory supporting element carried by said body member and provided with a shoulder; and a movable simulatory member carried by the body and engaging said shoulder, whereby movements of said supporting element will produce movements of the simulatory member.

2,365,523
DEVICE FOR SEALING BAGS
Paul G. Cook, Chicago, Ill., assignor to Union Bag & Paper Corporation, New York, N. Y., a corporation of New Jersey
Application October 11, 1941, Serial No. 414,670
12 Claims. (Cl. 93—6)

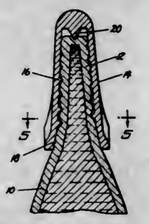


1. A device of the class described comprising a filled bag supporting table; a pair of opposed walls forming a channel above said table and adapted to receive snugly the collapsed mouth of a filled bag supported on said table, at least one of said walls having a thin bottom edge adapted to permit a filled bag to be rotated thereabout to form a crease between the lower part of the collapsed mouth of the bag and the top of the filled portion of the bag; said channel having a vertical depth less than the length of the collapsed portion of the filled bag to be sealed; the lower edge of said channel being at a height from said table substantially equal to the length of the filled portion of the bag to be sealed and one wall of said channel having thin creasing edges on both the upper and lower margins thereof.

2,365,524
DISPENSING CAPSULE
Kenneth Court, Detroit, Mich., assignor, by mesne assignments, to Gelatin Products Corporation, Detroit, Mich., a corporation of Michigan
Application May 25, 1942, Serial No. 444,363
1 Claim. (Cl. 222—81)

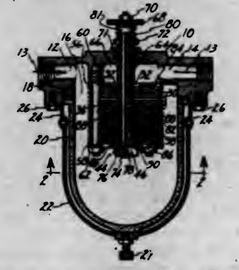
The combination with a collapsible tube having a long tapered nozzle formed of soft deformable plastic material normally closed at the outer end of a deep cup shaped internally threaded cap, said cap adapted to be threaded down upon the nozzle and adapted to form a thread on the nozzle as the cap is threaded down thereover, said cap provided with an internal axial tapered piercing projection adapted to puncture the end

of the nozzle, that portion of the interior of the cap encircling the piercing projection constituting a tapered annular recess within the cap surrounding the projection, said recess having a width adjacent to the base of the projection which width is less than the normal radial thickness of the wall of the nozzle whereby the wall of the nozzle adjacent to the end of the nozzle is compressed between the tapered base of the projection and the encircling wall of the cap to less



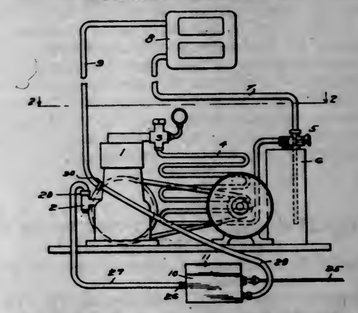
than its normal thickness when the projection is pierced through the end of the nozzle, said piercing projection being of a length substantially less than the depth of the cap but greater than the normal thickness of the wall of the nozzle and said nozzle having a diameter sufficiently greater than the interior diameter of the threaded portion of the cap whereby the cap may be threadedly engaged upon the nozzle without the piercing projection of the cap puncturing through the end of the nozzle.

2,365,525
SELF-CLEANING FILTER ELEMENT
Parker G. Cox, Detroit, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application July 9, 1941, Serial No. 401,567
14 Claims. (Cl. 210—167)



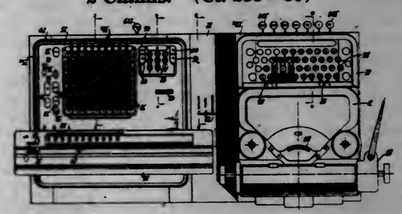
1. In a filter for fluids, a head having fluid passages therein, a receptacle secured in the path of the fluid between said passages, a filter stack interposed between said passages, said stack comprising alternately arranged superposed perforated washer elements and radially armed star elements, said perforated washer elements having registered openings therein to form longitudinal channels substantially parallel to the axis of the stack, means for holding said perforated washer elements against rotation and for maintaining said registrations, a stem axially arranged in the stack and rotatable relative to the perforated washer elements, means connecting the star elements and the stem whereby the former may be rotated by the latter, and releasable means for positioning and holding the stem in a predetermined position whereat the arms of the star elements will not obstruct the longitudinal channels.

2,365,526
DRIER FOR ELECTRIC REFRIGERATORS
Glen C. Dean, Loyall, Ky., assignor of one-half to J. S. Greene, Harlan, Ky.
Application July 10, 1941, Serial No. 401,858
2 Claims. (Cl. 62—1)



1. The combination with the elements of a refrigeration system including a compressor having a low and a high pressure side, respectively, an evaporator, a condenser coil connected to said high pressure side and to the inlet of said evaporator, and a return line connected to the outlet of said evaporator, of apparatus for introducing warm air into said circuit comprising a casing having an air inlet in the top thereof, an air discharge and an air inlet nipple on opposite sides of the casing, respectively, a conduit forming member in said casing having one end communicating with said discharge nipple and the other end thereof opening into the interior of the casing, electrically operative means for heating said conduit, and a pair of air lines connecting the discharge and inlet nipples to said low side of said compressor and return line, respectively.

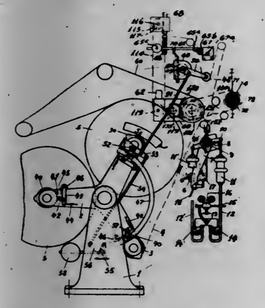
2,365,527
CALCULATING MACHINE
Adolphus S. Dennis, Oakland, Calif., assignor to Friden Calculating Machine Co., Inc., a corporation of California
Application December 30, 1941, Serial No. 424,959
2 Claims. (Cl. 235—60)



1. An apparatus for utilizing a typewriter and a calculating machine for conjoint action to facilitate obtaining printed records of calculations where the calculating machine is of the type having two selecting mechanisms settable to different factors of a calculation, a keyboard above one selecting mechanism operable to set a multiplier factor therein, and a second keyboard above the second selecting mechanism operable to set a multiplicand factor therein: said apparatus comprising a base on which the typewriter and the calculating machine are mounted, a row of elements, each movable in response to operation of a corresponding numeral key in the typewriter, a series of members adapted to be positioned in cooperative relationship with said ele-

ments so that movement of one of said elements is imparted to the associated member, mechanism in said base for transmitting motion from said members to one of said selecting mechanisms, a second series of members adapted to be positioned in cooperative relationship with said elements so that movement of one of said elements is imparted to the associated member, and mechanism in said base for transmitting motion from said members to the other of said selecting mechanisms, whereby as the multiplier and multiplicand factors are printed in the typewriter they can be simultaneously set up in the selecting mechanisms of the calculating machine without employing the keyboards thereof.

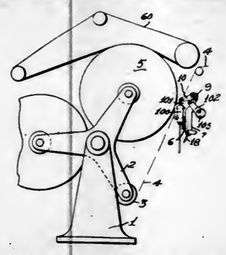
2,365,528
APPARATUS FOR JOINING THE WEBS OF PAPER ROLLS
Paul Dietrich, Augsburg, Germany; vested in the Alien Property Custodian
Application February 16, 1940, Serial No. 319,192
In Germany February 24, 1939
8 Claims. (Cl. 242—58)



2. Apparatus for sticking the web of a running down roll to a new roll, in a rotary printing machine, comprising in combination, a rotatable carrier for rotatably supporting a running down roll and a new roll, means rotatably supporting the carrier for movement of the new roll into position for sticking to the running down web, means including a slip clutch and a free wheel over-running clutch for rotating the new roll substantially at a peripheral speed corresponding to the speed of the running down web, pressure means for effecting the sticking of the running down web, a lever for operating said pressure means, a fluid pressure piston for operating said lever, valve means for controlling said fluid pressure piston, means for automatically operating said valve means at a predetermined time in the rotation of the new roll, a roller engaging the running down web and movable in accordance with the tension of the web, and means operated by said roller to control the operation of said rotating means.

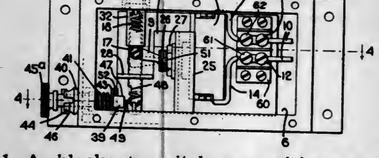
2,365,529
APPARATUS FOR JOINING THE WEBS OF PAPER ROLLS
Paul Dietrich, Augsburg, Germany; vested in the Alien Property Custodian
Application May 24, 1940, Serial No. 337,038
In Germany June 24, 1939
4 Claims. (Cl. 242—58)

1. In a device for sticking a running down paper web to a new roll of paper, in combination, a rotary carrier for the running down roll and the new roll, operable to bring the new roll to position for sticking, a pressure applying sticking member, a pivoted lever carrying said member, a fluid pressure cylinder having a piston connected to said lever for swinging the lever



about its pivot axis, means for supplying fluid pressure to said cylinder to operate the piston, a movable arm carrying said cylinder, and means for operating said arm to withdraw or advance the sticking member relative to the rotary carrier.

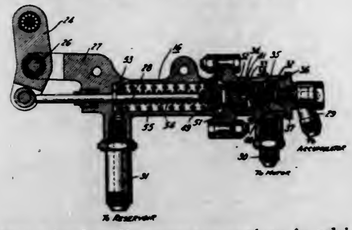
2,365,530
BLACK-OUT SWITCH
John J. Donovan, West Roxbury, Mass.
Application March 3, 1943, Serial No. 477,865
3 Claims. (Cl. 200—54)



1. A blackout switch comprising a casing adapted to be attached to the wall of a door opening, a switch element within said casing, a switch-actuating rod connected to the switch and movable in the direction of its length to open or close the switch, a spring acting on said rod and normally holding it in open-switch position, said rod extending through and beyond the wall of the casing and when in open-switch position being situated to be engaged by the door for said opening during its final closing movement, whereby such final closing movement will actuate the rod and thus close the switch, said rod having a notch adjacent its inner end, a manually operable locking plunger extending at right angles to the rod, a spring acting on said plunger and urging it toward the rod, said plunger extending through the wall of the casing and being turnable about its axis and having a knob on its outer end by which it may be manually manipulated and also having a pin extending laterally from its projecting end, a retainer on the outside of the casing through which the plunger extends, said retainer having two notches of different depths adapted to receive the pin, the relative depths of the notches being such that when the plunger is manually manipulated to place the pin in the shallow notch the plunger is held in inoperative position and out of contact with the rod, while

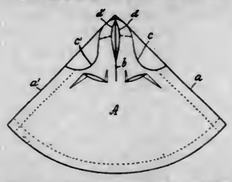
when the plunger is manually manipulated to place the pin in the deeper notch the inner end of the plunger is in position to enter the notch of the rod and thus lock the latter in its closed-switch position.

2,365,531
REGULATING VALVE
William H. Du Bois, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application February 2, 1942, Serial No. 429,147
5 Claims. (Cl. 303—54)



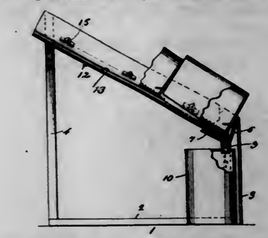
1. For a hydraulic pressure system in which the operating liquid is placed under pressure by means other than manual means, a regulating valve comprising a valve body having a source of pressure port, a motor port and an exhaust port; a piston reciprocable in the valve body having a passage therethrough, and having a head surface subjected to the liquid pressure prevailing at the motor port; an annular flexible diaphragm secured to the piston and to the inner wall of the valve body; a compression spring bearing at one end against the piston on the side opposite the piston head surface; manually operable means for exerting force through the compression spring to move the piston; and an inlet and an outlet valve each comprising a floating poppet valve element and a valve seat which make contact with one another along a single circular line, the stem of each of the valve elements being provided with a radial clearance permitting the sealing portion of the valve element to accommodate itself to the valve seat and form a fluid tight seal, the outlet valve element being caused by initial movement of the piston to close the passage through the piston and thereby cut off communication between the motor and exhaust ports, and the inlet valve element being caused by subsequent movement of the piston to open communication between the source of pressure port and the motor port.

2,365,532
DRESS PATTERN
Charlotte M. Dunn, Great Neck, N. Y.
Application June 20, 1942, Serial No. 447,812
3 Claims. (Cl. 33—12)



1. A fundamental garment pattern for use in making a variety of garments of different styles, comprising a geometrical sector of sheet material having an arcuate bottom edge, a central radial slit-line displayed thereon and extending inwardly from the apex of said sector to a distance approximating the distance of the waist line of the desired garment from the bottom of such garment.

2,365,533
OIL SAVER
Otto Elsebusch, Los Angeles, Calif.
Application December 13, 1943, Serial No. 514,165
3 Claims. (Cl. 222—112)

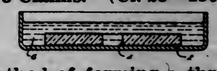


1. In an apparatus of the class described, the combination of a frame provided with two front uprights, a hopper device extending transversely across the front of said frame and being secured to the upper ends of said front uprights, said hopper device comprising a comparatively high straight front apron portion and an inclined wide rear bib portion, said hopper device provided with a longitudinally-extending groove and with a depending spout opening upon said groove, a trough unit of different width troughs carried by said frame and extending into said hopper device above and spaced from said bib portion, and said wide bib portion accommodating the discharge ends of said different width troughs.

2,365,534
ART OF BREADMAKING
Charles G. Ferrari, Minneapolis, Minn., assignor to The Mathieson Alkali Works, Inc., New York, N. Y., a corporation of West Virginia
No Drawing. Application November 13, 1941, Serial No. 419,023
8 Claims. (Cl. 99—91)

1. A bread improver comprising a relatively small proportion of a chlorite of the group consisting of sodium, potassium, ammonium and calcium chlorites dispersed in an edible carrier which is inert with respect to the chlorite, the moisture content of the mixture not substantially exceeding 9% by weight.

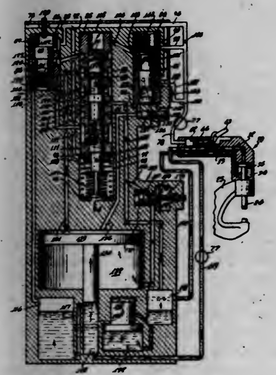
2,365,535
METHOD OF FORMING TAPPED HOLES IN PORCELAIN
Eugene H. Fischer, Derry, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 20, 1943, Serial No. 487,803
5 Claims. (Cl. 25—156)



1. The method of forming a threaded hole in a dried ceramic article comprising forming an article of unfired porcelain material with a hole therein, treating at least that portion of the article containing said hole with melted material of low viscosity to impregnate the wall of said

hole, said material being of a character that solidifies at room temperature and volatilizes at the usual firing temperatures of porcelain materials, tapping a thread in said impregnated wall after solidification of said material, and subsequently firing said article.

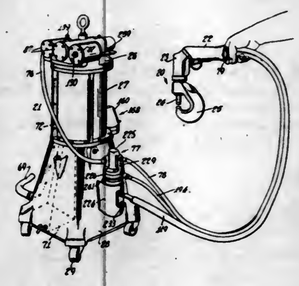
2,365,536
HYDRAULIC POWER PLANT
Howard R. Fischer and Edward W. Stevens, Detroit, Mich., assignors to Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey
Application November 18, 1939, Serial No. 305,204
21 Claims. (Cl. 60—54.5)



12. In a pressure fluid distributing system, the combination of a pressure fluid source, a distributing valve controlling the flow of pressure fluid from said source and settable in response to pressure variations at the opposite ends thereof to a plurality of longitudinal control positions, separate fluid conducting passageways leading from said pressure fluid source to the respective ends of said distributing valve, yielding means holding said distributing valve in a normal control position, means for effecting a step-by-step variation in the fluid pressure at one end of said valve to initiate movement of said valve to and from successive off-normal control positions, said yielding means resisting movement of said distributing valve from normal position, and additional yielding means resisting movement of said distributing valve from one to another of the off-normal positions.

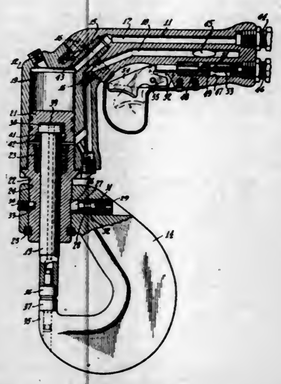
2,365,537
HYDRAULIC RIVETER
Howard R. Fischer and Edward W. Stevens, Detroit, Mich., assignors to Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey
Original application November 18, 1939, Serial No. 305,204. Divided and this application August 15, 1942, Serial No. 454,973
12 Claims. (Cl. 78—48)

3. A unit for performing compression riveting and like operations, comprising a cylinder, a pressure fluid operated piston reciprocable in said cylinder, two pressure fluid conducting hose lines connected to the cylinder and supplying fluid respectively to the front and rear ends thereof, a third pressure fluid conducting hose line connected to said unit, means on the unit for exhausting the fluid from the third said hose line to initiate by remote control the flow of fluid through the first and second said hose lines, and



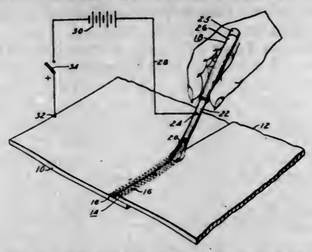
intensifier means for abruptly increasing the pressure of the fluid supplied to the cylinder and being automatically operable upon an increase in the rate of exhaust from said third hose line.

2,365,538
RIVETING TOOL
Howard R. Fischer, Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey
Original application November 18, 1939, Serial No. 305,204. Divided and this application April 10, 1943, Serial No. 482,575
7 Claims. (Cl. 78—48)



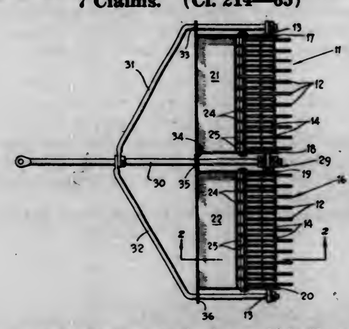
1. A portable compression riveter comprising a cylinder providing a piston chamber, a piston reciprocable therein, one end of the cylinder being adapted to support a yoke, the other end of the cylinder having a pilot portion projecting at an angle of about 45 degrees to the axis of the cylinder, said piston and yoke being adapted to carry complementary dies engageable with opposite ends of a rivet, a handle swivelly mounted on said pilot portion and extending in a direction about 45 degrees from the pilot portion whereby the handle may be swung into a position in line with or at right angles to the cylinder, and securing means for holding the handle relative to the cylinder in the selected positions of adjustment.

2,365,539
ELECTROLYTIC ETCHING POLISHED SURFACES
Leonard C. Flowers, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 7, 1941, Serial No. 392,325
2 Claims. (Cl. 204—143)



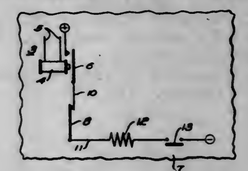
1. In the method of etching polished surfaces of stainless steel and stainless iron by the application of a relatively noncorrosive flux to avoid etching and blemishing of the polished surfaces except at predetermined areas, the steps of applying to the metal an electrically conducting aqueous solution of a flux substantially noncorrosive to the stainless steel and stainless iron, the flux selected from the class consisting of zinc chloride, ammonium chloride and aniline phosphate, disposing a movable electrode closely adjacent to the metal and in contact with the aqueous solution, passing an electrical current from the electrode to the metal through the aqueous solution, with the metal being the anode, and moving the electrode over the predetermined areas to be etched while the current is flowing, the passage of the electrical current rendering the flux solution between the electrode and metal temporarily corrosive to the metal to effect etching, the flux solution after electrical current ceases to flow therethrough becoming relatively noncorrosive to the metal.

2,365,540
GOLF-BALL RETRIEVER
Martin E. Fonken, Burbank, Calif.
Application September 26, 1944, Serial No. 555,772
7 Claims. (Cl. 214—65)



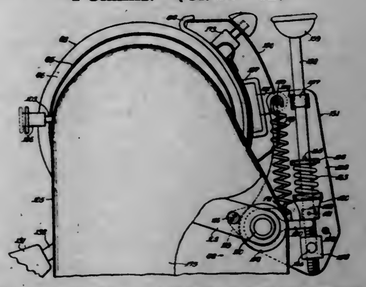
1. In a device for retrieving golf balls scattered on the ground, a frame adapted to be moved across the ground, a plurality of elements mounted on said frame and spaced apart by a distance slightly less than the diameter of a standard golf ball, said elements being so constructed and arranged that the balls are gripped between them as the frame is moved, a receptacle mounted on said frame, means for ejecting the balls from between the elements and into said receptacle, and means mounted on said frame ahead of each of said elements for so diverting the balls that they pass between the elements.

2,365,541
SHOCKPROOF RELAY CONTACT
Lawrence L. Fountain, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 30, 1942, Serial No. 463,931
10 Claims. (Cl. 175—320)



1. A shockproof control-contact combination comprising a support which is subject to sudden accelerations, an electrical circuit to be controlled, two contact-mehanisms mounted on said support in such manner as to be jointly affected by said accelerations, one in a contact-closing direction and the other in a contact-opening direction, additional means for actuating one of said contact-mechanisms, and electric-circuit means for associating the two contact-mechanisms in controlling relation to said circuit in such manner that their responses to accelerations tend to cancel each other, leaving the circuit substantially unchanged as a result of any acceleration.

2,365,542
IRONING MACHINE
Frederick M. Freis, Chicago, Ill., assignor to Conlon Corporation, Cicero, Ill., a corporation of Illinois
Original application August 29, 1941, Serial No. 408,703. Divided and this application October 19, 1942, Serial No. 462,538
4 Claims. (Cl. 38—61)



1. In an ironing machine, a rotating roll and a cooperating shoe, a rockably mounted shoe shaft in back of said roll, a coupling arm secured on said shaft extending rearward therefrom and provided with an open ended slot, a shoe supporting arm extending upward from said shaft loose thereon, means connecting said shoe to said supporting arm for movement therewith, a release rod having pivoted and screw connections to said supporting arm extending upwardly of the latter and movable about its pivot into and out of the slot of said coupling arm,

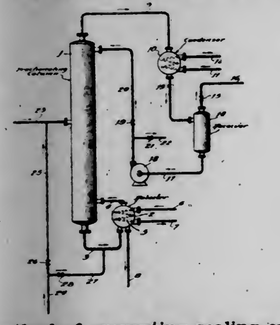
and means carried by said rod cooperating with said slotted arm for coupling said supporting arm to said slotted arm for movement therewith and for uncoupling said supporting arm from said slotted arm for independent movement away from said roll, said means comprising means for exerting spring pressure upon said shoe when the latter is in cooperating relation to said roll and for varying the effective force of said pressure by threading said rod through said screw connection.

2,365,543

METHOD FOR PREVENTING REBOILER SCALING

Clarence G. Gerhold, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application November 16, 1942, Serial No. 465,700
3 Claims. (Cl. 196—75)



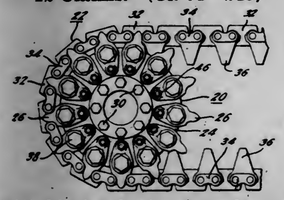
1. A method of preventing scaling on tubes in reboilers during the heating of volatile hydrocarbon liquids containing dissolved aluminum chloride which comprises introducing into said reboiler a higher boiling hydrocarbon liquid which will retain said aluminum chloride in solution and which is inert with respect thereto, and maintaining the last-named liquid at a temperature below the vaporizing point of aluminum chloride.

2,365,544

POWER TRANSMISSION DEVICE

Harvey D. Geyer and Rex E. Moule, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application January 27, 1942, Serial No. 428,402
12 Claims. (Cl. 74—243)



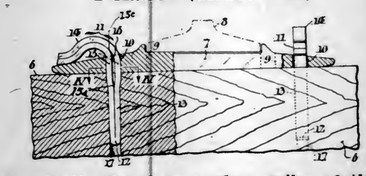
1. A shiftable tooth structure for use in connection with sprockets, racks and the like, comprising in combination; a supporting member, a tooth associated with said member and rotatable with respect thereto, yieldable means associated with the tooth and with the member for holding the tooth in a central position whereby the tooth may be rotated in either direction against the action of said yieldable means and with respect to said member when force is applied thereto, said yieldable means returning the tooth to the original position thereof when said force is relieved and limiting means associated with the said yieldable means for limiting the rotational movement of said tooth in either direction.

2,365,545

ELASTIC TIE PLATE ANCHOR SPIKE

Frederick M. Graham, South Whitley, Ind., and Edgar E. Martin, Altoona, Pa.

Application June 17, 1943, Serial No. 491,150
1 Claim. (Cl. 238—366)



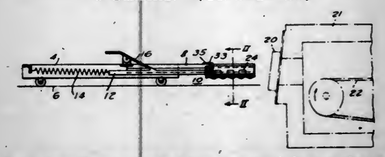
An elastic tie plate anchor spike of the class described, having a shank provided with two legs which are joined at the bottom portion of the shank and which when the spike is free of lateral compression, are directed parallel to each other and with their adjacent faces substantially in contact up to a point near the top of the tie hole engageable portion of the shank, said legs having portions diverging upwardly and substantially symmetrically from said point and then running substantially parallel to each other to provide spaced substantially parallel portions engageable with opposite upper wall portions of a tie hole and also with opposite walls of a tie plate hole when the spike is in operative position, a resilient head portion at the upper end of said shank, the portions of the legs above said parallel portions converging substantially into contact with each other when the spike is free of lateral compression, said upwardly diverging portions being constructed and arranged to force apart and closely engage opposed upper portions of the walls of a plain cylindrical tie hole when the spike is driven in place and said spaced parallel portions being resiliently distortable to wedge tightly between opposite side walls of a tie plate hole with the aforesaid upper and lower contacting portions of the legs acting to maintain outward pressure of said parallel portions against opposed walls of a tie hole and a tie plate hole and thereby hold a tie plate against horizontal movements over the upper surface of a tie when the spike is in operative position.

2,365,546

LOADING APPARATUS

Elmer K. Hansen, Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application April 5, 1943, Serial No. 481,823
6 Claims. (Cl. 214—29)



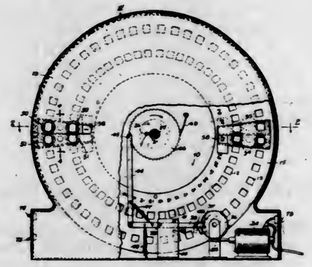
1. A loading-apparatus comprising a forwardly and backwardly movable supporting-member having forwardly projecting side-arms adapted to project over the place where material is to be deposited, a forwardly and backwardly movable loading-member movably supported on said side-arms, and a scraper member carried by said side-arms in a position to scrape off the material carried by said loading-member when the loading-member is moved backwardly with respect to said side-arms, said scraper-member comprising a plurality of scrapers individually bearing against the bottom of the loading-member, means for so guiding each of said scrapers that it is individually movable in an up-and-down direction and each individually laterally tiltable in an amount sufficient to accommodate the bottoms of the individual scrapers to any unevenness in the bottom of the loading-member while the latter is being moved backwardly, each of the individual scrapers having a width considerably less than the width of the loading-member, and the scrapers being so disposed that substantially the entire material-supporting bottom of the loading-member is collectively scraped by the plurality of scrapers.

2,365,547

STEREOSCOPIC DEVICE

George F. Hausherr, Lynbrook, N. Y.

Application June 10, 1941, Serial No. 397,363
4 Claims. (Cl. 88—31)



1. A stereoscopic viewing device comprising a casing, a mounting for stereoscopic pictures consisting of a disc pivotally mounted at the center thereof in the casing, means for rotating the disc, two series of stereoscopic pictures arranged in concentric circular rows on the disc, the pictures of one series being arranged in pairs with the pictures of the other series, and the pictures in each pair consisting of stereoscopic views of the same scene, and a pair of eyepieces mounted adjacent one side of the casing for viewing stereoscopic pictures mounted at one side of the center of the disc.

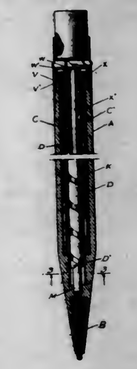
2,365,548

MECHANICAL PENCIL

Paul S. Hauton, Atlanta, Ga., assignor to Scripto Manufacturing Company, Atlanta, Ga., a corporation of Georgia

Application November 13, 1941, Serial No. 418,874
12 Claims. (Cl. 120—18)

3. In a pencil the combination of a casing having a center bore with a longitudinal extending channel, lead moving mechanism in the center bore including a helix, a lead carrier having a lug engaging the helix and the longitudinal channel and a thin wall slotted tube between the lead carrier and the helix to prevent small pieces of lead from getting into the helix.

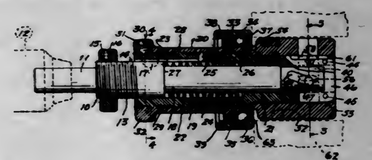


2,365,549

GROOVING TOOL

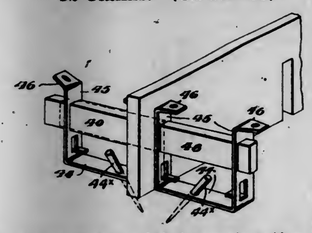
Charles L. Haynes, Alhambra, Calif., assignor to C. F. Braun & Co., Alhambra, Calif., a corporation of California

Application January 14, 1943, Serial No. 472,419
5 Claims. (Cl. 77—58)



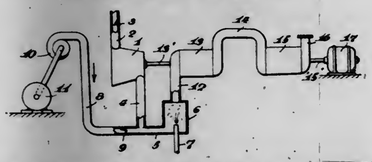
1. A grooving tool, comprising a tubular body, a transverse slot at one end of said tubular body, a filler block disposed across said transverse slot and cooperating with the tubular body to provide a guide for a cutter bar, a cutter bar mounted within said slot to move transversely in a plane normal to the longitudinal axis of the tool and project outwardly to perform a grooving operation, an adapter sleeve mounted on the tubular body and formed with a guide opening through which said cutter bar moves, a driving spindle mounted within the tubular body and having a transverse slot at its outer end and across which the cutter bar extends, a driving connection at the opposite end of said spindle, means between the spindle and the cutter bar cooperating to advance and retract the cutter bar as the spindle advances and retracts within the body, said means including inclined slots formed within the portions of the spindle which straddle the cutter bar, a pin carried by the cutter bar and extending into said slots, yieldable means tending to retract the spindle and the cutter bar, a housing within which said tubular body is mounted, a thrust shoulder carried by the housing and bearing against the face of the article to be grooved, and a driving connection between the spindle and the tubular body whereby the spindle and tubular body may have relative longitudinal movement and the tubular body will be positively driven by the spindle.

2,365,550
EXPANSION JOINT
John N. Heltzel, Warren, Ohio
Application January 24, 1934, Serial No. 708,155
32 Claims. (Cl. 94—18)



1. In an expansion joint construction, concrete sections having juxtapositioned concrete faces, a plurality of spaced relatively thick shear plates of minor area as compared to said faces and having stress-receiving sides secured to said faces, and relatively slidable telescoping means fixedly carried by the respective sections and supported by said plates for maintaining said sections in alignment, said stress-receiving sides positioned in a manner to present their stress-receiving area for receiving the thrust imparted by the sections during a movement of said sections caused by atmospheric conditions.

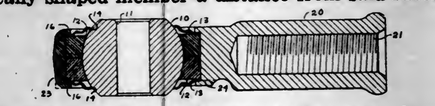
2,365,551
DEVICE FOR STARTING GAS TURBINE MOTOR PLANTS
Louis Armand Hermitte, La Courneuve, France; vested in the Alien Property Custodian
Application January 26, 1942, Serial No. 428,305
In France March 1, 1941
2 Claims. (Cl. 230—45)



1. In a compressor device, the combination of an air compressor, a check valve mounted on the suction end of the compressor between the atmosphere and the compressor and opening towards the compressor when the latter sucks in a sufficient quantity of air, an auxiliary fan, a first conduit connecting the delivery of the fan to the suction of the compressor between the check valve and the compressor, a second conduit connecting the delivery of the fan with the delivery of the compressor, a check valve mounted in the second conduit and opening towards the delivery of the compressor and closing when the air pressure furnished by the compressor is greater than that supplied by the fan, and a motor for driving the fan.

2,365,552
MONO-BALL BEARING
Frank Leroy Hill, Cherry Valley, Ill.
Application November 9, 1942, Serial No. 464,964
3 Claims. (Cl. 308—72)

1. A mono-ball bearing of the class described, comprising a generally spherically shaped member having an opening for the reception of a shaft, race members, their inner surfaces forming a spherically shaped opening adapted to rotatably embrace said spherical member when the races are held tightly together, washers positioned on opposite sides of said races and being shaped so that their openings snugly embrace said spherically shaped member a distance from said races,

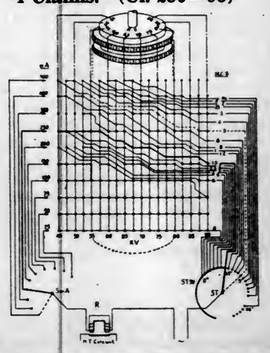


a bracket adapted to be secured to a control rod and having at its free end a housing adapted to snugly receive said races and washers, flanges on opposite sides of said housing adapted to tightly hold the races and washers therebetween.

2,365,553
METHOD OF ANALYSIS WITH RADIOACTIVE MATERIAL
Jerald E. Hill, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application June 17, 1942, Serial No. 447,469
11 Claims. (Cl. 250—106)

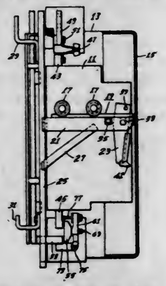
1. The method of determining the concentration of an element in a mass at various times while the mass is subjected to a treatment which tends to change the concentration of said element in said mass, a portion only of said element in the mass being radioactive, which comprises determining the relationship between radioactivity of the mass and concentration of the element and subsequently measuring the radioactivity of the mass at said various times whereby the concentration at each of said times may be derived from said relationship.

2,365,554
APPARATUS FOR CONTROLLING THE LOAD ON AN X-RAY TUBE
Arthur Frederick Jeans, London, England, assignor to The Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application September 29, 1943, Serial No. 504,320
In Great Britain June 13, 1942
4 Claims. (Cl. 250—95)



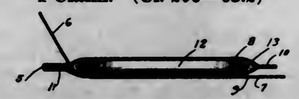
1. Apparatus for controlling the main circuit loading potential-, current- and time variables applied to an X-ray tube, comprising means for selecting one of a plurality of predetermined values of one of said variables and comprising a switching member having a plurality of contacts, each contact corresponding to one of said values of said one of said variables, means for selecting one of a plurality of predetermined values of another of said variables and comprising a switching member having a plurality of contacts arranged in a plurality of sets with the corresponding contacts of each set being connected together, the contacts of each set each corresponding to one of said values of the second of said variables and the number of sets of contacts corresponding to the number of values of the first of said variables, means for selecting one of a plurality of predetermined values of the third of said variables and comprising a switching member having a plurality of contacts each corresponding to one of a plurality of values of said third variable and each being connected to a contact of said second switching member at a point at which the product of the three variables represented by the contact of said second switching member is within the maximum permissible loading of the X-ray tube, the three said switching members being connected in series, and means energized through said switches to control the on and off operation of the main circuit of the X-ray tube.

2,365,555
CIRCUIT CONTROLLING DEVICE
Floyd D. Johnson, Forest Hills, and Richard Hauser, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 29, 1942, Serial No. 440,956
11 Claims. (Cl. 200—168)



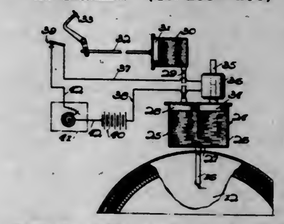
1. An electrical connector for a circuit interrupter of the draw-out type having fixed and movable terminals comprising a contact arm pivotally supported on one of said terminals, contact means loosely supported on the contact arm intermediate the ends thereof for bridging the fixed and movable terminals, and means carried by said contact arm and engageable with the other terminal for applying pressure between the contact means and said terminals.

2,365,556
PROPHYLACTIC PACKAGE
Frank G. Karg, Chicago, Ill.
Application March 12, 1941, Serial No. 382,898
1 Claim. (Cl. 206—63.2)



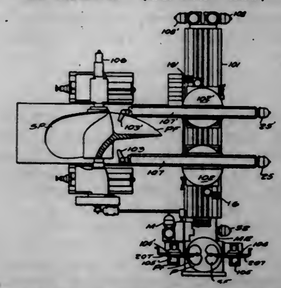
A package comprising a first sheet of nonmetallic, thin, and water-impervious material shaped to define an intermediate liquid-tight reservoir and a pair of oppositely directed end tabs, a prophylactic sheath in said reservoir, an antiseptic substance in said reservoir in contact with said sheath, means reinforcing one of said end tabs and providing a finger hold, said means comprising a second elongated sheet of material having an intermediate portion folded about said one end tab and secured thereto and having a pair of spaced opposed and similarly directed end flaps disposed about said reservoir in protecting relation thereto.

2,365,557
MULTIPLE MEANS FOR APPLYING BRAKES
Glenn Keith, East Detroit, Mich.
Application August 6, 1942, Serial No. 453,869
15 Claims. (Cl. 188—106)



1. A vehicle braking system comprising a brake member, a fluid pressure chamber connected to the brake member for applying the same, a brake control element, a fluid pressure cylinder connected to said element and to said chamber so that upon initial actuation of the element pressure in the chamber will be increased, an electrical device also connected to the chamber and adapted when energized to increase pressure in the chamber, and a switch adapted to close a circuit including said electrical device and a source of current when the brake control element is further actuated.

2,365,558
CONTROL FOR MACHINE TOOLS
George E. King, Wilkinsburg, Pa., and Oren G. Rutemiller, Cincinnati, Ohio, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 20, 1943, Serial No. 499,330
26 Claims. (Cl. 172—239)



1. In a system of control for controlling the excitation of a generator, in combination, a main generator having an armature winding and having a pair of field windings connected in two opposite legs of a balanced Wheatstone bridge, a load connected in series with the generator armature winding, a regulator generator connected in series with the armature of the regulator generator connected across two of the junctions of the Wheatstone bridge, said regulator genera-

tor having a pair of field windings connected respectively across the generator terminals and in the load circuit and a pair of field windings one connected in one leg of the bridge in series with one of the generator field windings and the other connected in the opposite leg of the bridge in series with the other field winding of the main generator, a pair of bridge balancing resistors connected in the other two opposite legs of the bridge, a source of variable direct current voltage connected across the other two junctions of the bridge, a motor, means responsive to the load on said motor for varying said source of variable direct current voltage.

2,365,559

METHODS FOR TREATING CALCIUM SULPHATE PIGMENTS

Franklin L. Kingsbury, Old Farm Village, N. J., and Charles L. Schmidt, Webster Groves, Mo., assignors to National Lead Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application April 30, 1941, Serial No. 391,098
8 Claims. (Cl. 106—300)

1. Method for lowering the bodying tendency of a calcium sulphate pigment having an undesirably high bodying tendency which comprises admixing with a preformed, finished calcium sulfate pigment between about 0.01 and about 2.0 per cent of an extraneously prepared compound selected from the group consisting of alkaline-reacting and neutral inorganic compounds having appreciable water-solubility to form a pigmentary composition directly useful for incorporation in surface coating compositions.

2,365,560

METHOD FOR TREATING CALCIUM SULPHATE PIGMENTS

Franklin L. Kingsbury, Rumson, and Frank J. Schultz, Fords, N. J., assignors to National Lead Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application August 4, 1943, Serial No. 497,368
8 Claims. (Cl. 106—300)

1. Method for lowering the paint bodying tendency of a calcium sulphate pigment which comprises admixing with a calcium sulphate pigment a small amount of an aliphatic alcoholic amine containing less than eight carbon atoms.

2,365,561

PREPARATION OF MERCAPTANS

Morris Selig Kharasch, Chicago, Ill., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 29, 1942, Serial No. 428,673
18 Claims. (Cl. 260—609)

15. The process which comprises reacting chlorine, carbon disulfide and a compound from the group consisting of saturated acyclic, saturated alicyclic, and aryl substituted saturated aliphatic hydrocarbons in the presence of actinic light and pyridine.

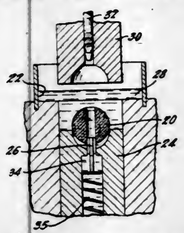
17. An organic compound containing sulfur and chlorine and which is obtained by reacting chlorine and carbon disulfide with a compound from the group consisting of saturated acyclic, saturated alicyclic and aryl substituted saturated aliphatic hydrocarbons in the presence of pyridine and under the influence of actinic light.

2,365,562

METHOD OF MAKING POROUS METAL BEARINGS

Roland P. Koehring, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application March 20, 1942, Serial No. 435,453
3 Claims. (Cl. 29—149.5)



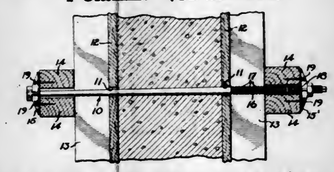
1. In a method of effectively lining the bore of a porous metal bearing with soft metal powder and simultaneously impregnating the bearing with oil and sizing the bore thereof, the steps comprising: providing a porous metal bearing having a bore therein of a diameter slightly less than a diameter ultimately desired, providing a sizing punch of the desired diameter and greater than the diameter of said bore, forcing soft metal powder and oil into the pores of the bearings and simultaneously sizing the bearing bore by forcing said punch through said bore while simultaneously supplying soft metal powder suspended in oil to the bore ahead of said punch.

2,365,563

FORM TIE ASSEMBLY FOR CONCRETE CONSTRUCTION

Harry J. Krueper, Los Angeles, Calif.

Application May 12, 1942, Serial No. 442,656
4 Claims. (Cl. 25—131)



1. A form tie comprising a one piece member and spaced form engaging elements on said member for preventing spreading of the forms, said member having at one end an extended threaded portion adapted to be positioned outside of the cement receiving space between the forms for adjustably securing one of said elements to said member in different axial positions, and at the other end a threaded extremity for securing the other element to the member in a fixed position on the member, said other element having a form engaging face, said member having a taper extending from a point inside the extended threaded portion toward and substantially as far as said form engaging face of the element at the opposite end.

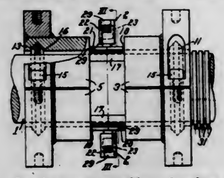
2,365,564

TORQUE MEASURING DEVICE FOR SHAFTS

Bernard F. Langer, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application November 19, 1942, Serial No. 466,146
3 Claims. (Cl. 73—136)

1. Apparatus for continuously indicating the torque of a shaft comprising, in combination, a pair of axially spaced split cylindrical members, a plurality of flat strips interconnecting each of the axially spaced halves of said split cylindrical members, said flat strips being resilient circumferentially of said split cylindrical members and substantially rigid radially of said members, axially split ring means for supporting said cylindrical members on said shaft when said cylindrical members are clamped about said shaft, said axially split ring means providing relative axial movement between said cylindrical members and said shaft thus compensating for relative movement between the shaft and said split cylindrical members upon torsional deflection of the shaft, said axially split cylindrical members being provided with axially extending sections in their axially confronting faces which sections are positioned in interlocking but not touching relation,



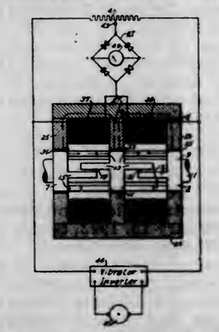
at least one electromagnetic device comprising two coil and core assemblies and an armature disposed therebetween, said coil and core assemblies being attached to one of said axial sections associated with one of said split cylindrical members and said armature being attached to an axial section associated with the other axially split cylindrical member so that said armature is positioned in close proximity to said core assemblies, a source of alternating current for energizing said coils thus inducing a flow of alternating magnetic flux including said core assemblies and said armature, said axially spaced split cylindrical members being relatively angularly displaceable upon torsional deflection of said shaft thus moving said armature relative to said core assemblies and changing the values of a voltage in said coil means, and means for metering the voltage whereby the torque of said shaft is indicated.

2,365,565

POWER MEASURING SYSTEM FOR ROTATING SHAFTS

Bernard F. Langer, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application November 19, 1942, Serial No. 466,148
5 Claims. (Cl. 73—136)



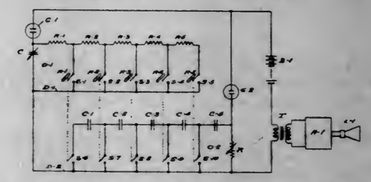
1. A system for continuously measuring the power output of a rotating shaft comprising, in combination, stationary electrical coil means, means for producing a direct current potential corresponding in value to the speed of rotation of said shaft, an electrical inverter connected to said means for producing a direct current potential whereby said direct current potential is converted to an alternating current potential of a substantially constant frequency for energizing said electrical coil means, means responsive to the torsional deflections of said shaft due to torque, in flux linkage with said electrical coil means, adapted to vary an alternating current voltage in said electrical coil means in an amount proportional to the torque of said shaft; and means for measuring the variations of the alternating current voltage in said coil means whereby the power output of said shaft is indicated.

2,365,566

DUOPHONIC ELECTRICAL MUSICAL INSTRUMENT

Nicholas Langer, New York, N. Y., assignor to Central Commercial Company, Chicago, Ill., a corporation of Illinois

Application May 8, 1942, Serial No. 442,225
7 Claims. (Cl. 84—1.22)



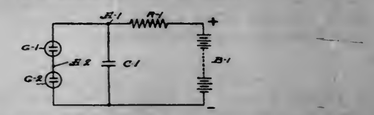
1. A duophonic electrical musical instrument comprising in combination a pair of electronic oscillators tunable in steps to frequencies within a musical range; each of said oscillators including a space discharge device, a series of tuning elements, and a plurality of switches for selectively connecting portions of said series into oscillation-producing relation with said space discharge device; said tuning elements and their associated switches being so connected in circuit that upon actuation of more than one switch at a time the oscillators are tuned to a frequency respectively corresponding to the highest and to the lowest of the actuated switches; a playing manual for operating said switches in pairs appertaining to different oscillators; and sound producing means responsive to the output of said oscillators.

2,365,567

MUSICAL INSTRUMENT

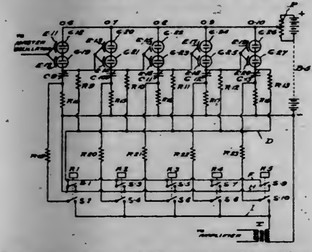
Nicholas Langer, New York, N. Y., assignor to Central Commercial Company, Chicago, Ill., a corporation of Illinois

Application July 4, 1942, Serial No. 449,739
15 Claims. (Cl. 84—1.19)



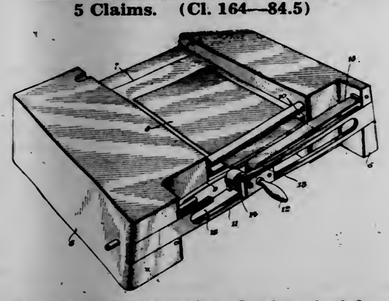
1. In an electrical musical instrument having cascaded groups of harmonically related oscillators, means for selectively withdrawing oscillatory energy from said oscillators, and means for disabling each group of oscillators while no energy is withdrawn from any one oscillator in such group.

2,365,568
SIGNALING SYSTEM
Nicholas Langer, New York, N. Y., assignor to Central Commercial Company, Chicago, Ill., a corporation of Illinois
Application July 20, 1942, Serial No. 451,581
8 Claims. (Cl. 250—36)



2. In mechanism of the class described having cascaded groups of harmonically related oscillators, means for selectively withdrawing oscillatory energy from said oscillators, and means for disabling each group of oscillators while no energy is withdrawn from any one oscillator in such group.

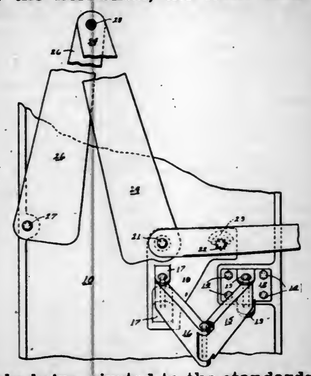
2,365,569
APPARATUS FOR DETACHING THE EDGES OF SHEET PAPER AND LIKE MATERIALS
Allin Larmuth, Broad Oak Park, Worsley, England
Application October 28, 1943, Serial No. 508,049
In Great Britain November 4, 1942
5 Claims. (Cl. 164—84.5)



1. Apparatus for severing sheet material, comprising a base having a cutting edge over which the material is conducted, a plurality of rollers mounted for reciprocatory movement adjacent to said edge, and a flexible strip secured at its ends on said base and passing over one roller and under another in such manner as to trap the leading end of the material to be detached between said strip and one of the rollers as the latter are moved along said cutting edge whereby the material to be severed is pulled at an angle to the horizontal plane of the sheet against said cutting edge thereby to sever the leading end from the rest of the sheet.

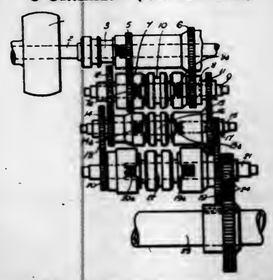
2,365,570
CHAIR
Roger K. Lee, Highland Park, Mich., assignor to American Seating Company, Grand Rapids, Mich., a corporation of New Jersey
Application January 24, 1941, Serial No. 375,829
6 Claims. (Cl. 155—85)

3. A chair comprising a pair of spaced vertically disposed standards, a pair of toggles located at opposite sides of the chair and each composed of front and rear links arranged at an angle to each other and disposed at a forty-five degree angle to the horizontal, the front ends of the



front links being pivoted to the standards, and a chair seat having a transversely rigid unitary base pivotally connected to the rear links and connecting the same whereby an equalized forward and rearward movement of each toggle is insured.

2,365,571
ACTUATION OF CHANGE-SPEED GEARING, PARTICULARLY FOR MACHINE TOOLS
Arthur Harold Lloyd, Coventry, England, assignor to Alfred Herbert Limited, Coventry, England
Application July 13, 1942, Serial No. 450,718
In Great Britain November 12, 1941
8 Claims. (Cl. 74—335)

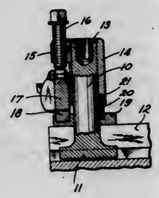


1. The combination with a preselective change-speed gearing, of a rod for actuating said gearing, a low-power electric motor, a relatively-heavy flywheel driven by the rotor of said motor, a controllable clutch, a reduction gear interconnecting the driving part of said clutch and said rotor, and means interconnecting the driven part of said clutch and said rod whereby the latter will be actuated when said clutch is engaged during a partial rotation thereof.

2,365,572
TOOL POST
Peter Lustrik, Cleveland, Ohio
Application February 15, 1943, Serial No. 475,919
1 Claim. (Cl. 82—37)

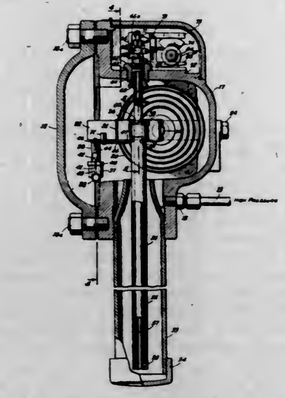
A tool post comprising a column, a rectangular foot thereon formed for engagement with a T-slot in a machine part, a sleeve having a counterbore in the upper end thereof, mounted for rotative and vertical adjustments on said column, a screw in the upper end of said column, a flange

thereon seated in said counterbore and flush with the top of said sleeve, a plate having an arcuate slot in the face thereof mounted for pivotal movement on said column, a dowel pin in said plate engaged with said sleeve, a tool supporting block mounted for rocking movement in the arcuate



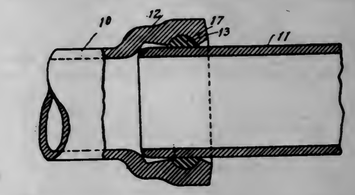
slot in said plate, an overhanging boss in said sleeve having a tapped opening therein, the axis of said opening being disposed in vertical alignment with the center of said arcuate slot, and a cap screw in said boss disposed in axial alignment with the center of said arcuate slot.

2,365,573
MEANS FOR MEASURING PRESSURE DIFFERENTIALS
John B. McGay, Tulsa, Okla.
Application August 9, 1941, Serial No. 406,085
23 Claims. (Cl. 73—407)



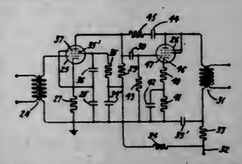
8. A differential pressure recorder including a plurality of bellows supported within a casing, a rotatable element, a flexible ribbon means connecting a movable portion of each of said bellows to said rotatable element to rotate said element in the same direction upon change of pressure within said bellows, a torsion responsive assembly comprising a tube capable of torsional deformation and closed at one end, a rigid tube exterior of said deformable tube, a rod interior of said deformable tube, and means securing one end of said rigid tube and said rod to the closed end of said deformable tube, means on the other end of said deformable tube removably securing it to a wall of the casing, and means on the free end of the exterior tube engageable with said rotatable element for rotation thereby.

2,365,574
PIPE JOINT
Arthur T. McWane, Birmingham, Ala., assignor to McWane Cast Iron Pipe Company, a corporation of Alabama
Application October 21, 1943, Serial No. 507,083
1 Claim. (Cl. 285—163)



A mechanical packing joint for bell and spigot pipe and fittings comprising a relatively smooth spigot member, a bell member having clearance with respect to the spigot member just sufficient to permit ready insertion of the spigot member and having a groove therein semielliptical in cross section with its transverse axis parallel with the axis of the pipe section, an annular rubber gasket elliptical in transverse cross section fitting snugly in the groove and adapted to surround the spigot, said gasket being smaller in internal diameter than the outer diameter of the spigot, whereby upon insertion of the spigot member into the bell member and gasket, the gasket is elongated axially of the pipe to grip the spigot member over a surface area substantially wider than the transverse cross sectional diameter of the elliptical gasket.

2,365,575
ELECTRON DISCHARGE AMPLIFIER
Donald E. Maxwell, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application December 31, 1941, Serial No. 425,111
10 Claims. (Cl. 179—171)

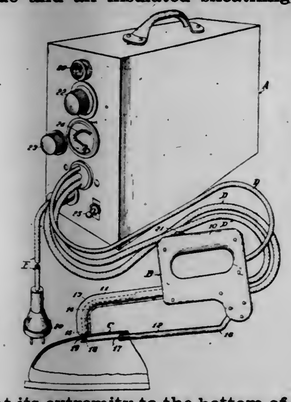


1. In combination, an electron discharge amplifier having input electrodes between which voltage to be amplified is supplied and having output electrodes between which the amplified voltage appears, a circuit between said output electrodes, means to supply voltage from said circuit to said input electrodes in degenerative phase, and means to prevent the voltage supplied by said last means from affecting the impedance between said output electrodes.

2,365,576
ELECTROPERFORATOR
John W. Meaker, Evanston, and Edward H. Yonkers, Jr., Winnetka, Ill.; said Yonkers, Jr., assignor to said Meaker
Application March 17, 1941, Serial No. 383,810
2 Claims. (Cl. 219—29)

1. In an electro-perforator, a manually operated applicator provided with a pair of electrode members adapted to contact under spring pres-

sure with opposite sides of the material to be perforated, one of said members comprising an electrode and an insulated sheathing having a



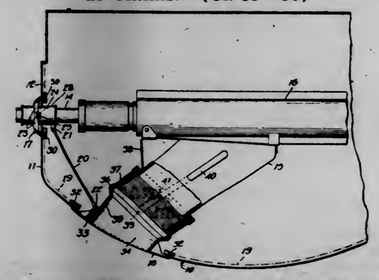
recess at its extremity to the bottom of which the electrode extends without contact with the material operated upon.

2,365,577
PROJECTILE
Stephen A. Moore, Roanoke, Va.
Application August 26, 1943, Serial No. 500,122
2 Claims. (Cl. 102—50)



1. The combination of a projectile body having recesses therein, foldable wings normally housed in said recesses, means for latching said wings in folded positions inside said recesses and in unfolded positions outside the recesses and the contour of the projectile, explosive means for actuating said first mentioned means to release the wings when in their folded positions, and means for projecting the wings to their unfolded positions.

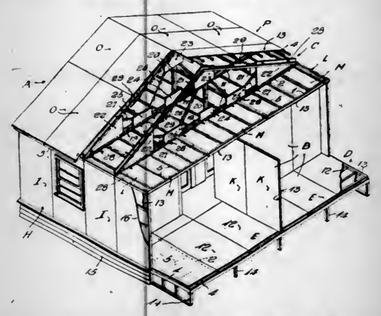
2,365,578
TANDEM SLIDER UNITS
Louis H. Morin, Bronx, N. Y., assignor of one-half to Davis Marinsky, Bronx, N. Y.
Application April 1, 1943, Serial No. 481,392
19 Claims. (Cl. 89—36)



1. The combination with a gun turret having an elongated gun slot therein, of separable fastener stringers mounted on the turret and closing the major portion of said slot, two slider units movable longitudinally of the stringers, one unit forming an opening for the passage of the gun barrel therethrough, the other unit having a shell dispensing opening therein, and means coupling said units to operate in tandem in maintaining predetermined positions of said openings along the stringers in the movement of the gun barrel longitudinally of the slot in said turret.

5. The combination with separable fasteners employing stringers, of a slider unit movable along the stringers, said unit comprising a hollow body, sliders at opposite end portions of said body coupling the stringers beyond the limits of said body and separating the stringers within the limits of said body in maintaining the opening thereof, another slider arranged on the stringers in spaced relation to said first named slider unit, and means coupling the last mentioned slider with said unit.

2,365,579
PREFABRICATED BUILDING STRUCTURE
Walter J. Mulligan, San Mateo, Calif.
Application March 8, 1943, Serial No. 478,394
10 Claims. (Cl. 20—2)

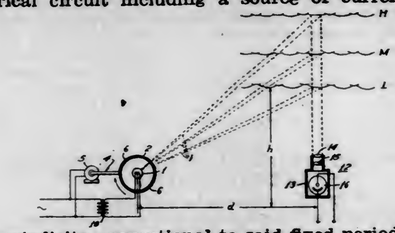


1. A prefabricated wooden building construction including sectional ceiling and roof frameworks, a truss construction therebetween including oppositely extending horizontally disposed lower cords and oppositely and downwardly inclined laterally spaced upper cords, a strut structure on opposite sides of a center post and intermediate the upper and lower cords and a plurality of gusset plates connected to and connecting said upper cords and engageable intermediate and with adjacent sections of said roof framework, and a plurality of gusset plates connected to said lower cords and engageable intermediate and with adjacent sections of said ceiling framework, and means coacting with said gusset plates and adjacent sections of said frameworks for uniting said sections and said truss into a unitary structure.

2,365,580
CEILING LEVEL MONITOR
Slavo J. Murcek, Duquesne, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 28, 1943. Serial No. 473,841
6 Claims. (Cl. 33—71)

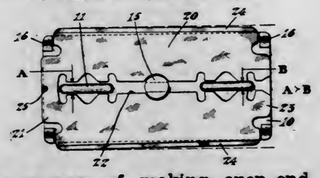
1. In a system for continuously indicating the distance of an object having light reflective properties from a fixed point, means at a known distance from said fixed point for sweeping said object with a beam of light in intervals periodically recurring at a fixed periodicity, means at said fixed point for receiving the reflected light

impulses, means for converting said light impulses into electric current variations, an electrical circuit including a source of current of



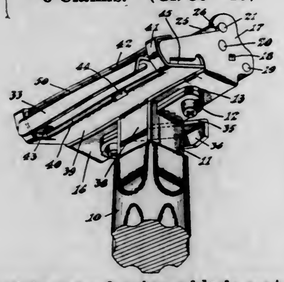
periodicity proportional to said fixed periodicity, and current responsive means in said circuit controlled by said current variations.

2,365,581
SAFETY RAZOR BLADE AND PROCESS OF MANUFACTURING THE SAME
Joseph Muros, Cambridge, Mass., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware
Application December 16, 1943, Serial No. 514,470
7 Claims. (Cl. 76—104)



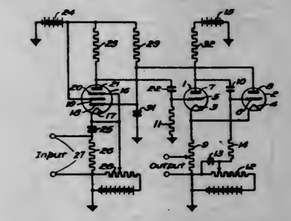
1. The process of making open-end blades which includes the steps of cutting from sheet steel a longitudinally slotted blade complete in outline having one solid end and one open end, altering the length of one transverse edge of the solid end of the blade from its initial dimension, and thereby deflecting its longitudinal edges out of parallelism.

2,365,582
SAFETY RAZOR AND MAGAZINE
Joseph Muros, Cambridge, Mass., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware
Continuation of application Serial No. 481,260, March 31, 1943. This application April 29, 1944, Serial No. 533,347
6 Claims. (Cl. 30—40)



1. A safety razor having a blade seat and spring means for holding a blade thereon, in combination with a blade magazine having a movable feed slide for advancing successive blades from the magazine to said blade seat, a key projecting from the magazine for locating the razor with respect to the magazine and for retracting said blade-holding means, said blade-holding means being movable in the safety razor for positively locking the key and razor against separation.

2,365,583
FREQUENCY-DIVIDING CIRCUITS
George W. Nagel, Catonsville, and Mortimer A. Schultz, Baltimore, Md., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 22, 1942, Serial No. 462,998
2 Claims. (Cl. 250—36)

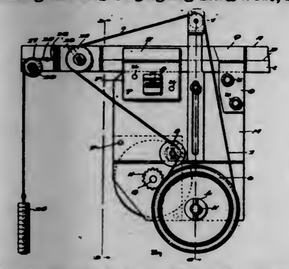


1. In combination, a first tube having a cathode, anode and control electrode, a second tube having a cathode, anode and control electrode, the two cathodes being connected together to one terminal of a resistor having its other terminal connected to ground, a connection through an output resistor from the positive terminal of a direct-current source of which the negative terminal is grounded to the anode of said first tube, means for supplying current to the anode of said second tube, a connection through a capacitor from the positive terminal of said first tube to the control electrode of said second tube, means for impressing a negative bias relative to ground on the last-mentioned control electrode, a third tube having a cathode, at least one control electrode and an anode, a connection through a capacitor and an input resistor from the last-mentioned cathode to ground, means for impressing a positive bias potential relative to ground on the last-mentioned cathode, a source of direct-current voltage having its negative terminal grounded and its positive terminal connected through an input resistor to the anode of said third tube, a connection between the last-mentioned anode through a capacitor to the control electrode of said first tube and a connection from the last-mentioned control electrode through a resistor to ground; a capacitor having one terminal connected to ground and its other terminal connected to the control electrode of the third tube above mentioned and to the anode of said first tube, and means for charging the last-mentioned capacitor through a resistor from a direct-current source.

2,365,584
GRINDING OR POLISHING MACHINE
Paul Seifried Newswanger, near Lancaster, Pa.
Application September 17, 1943, Serial No. 502,807
3 Claims. (Cl. 51—135)

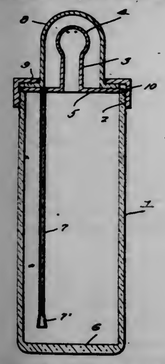
3. A portable machine for polishing the convex radius surface and adjacent plane surfaces of a deep drawing die, said machine comprising a frame to be suspended through the slot of a machine work table having a plane surface, means for suspending said frame through said slot in definite fixed position with relation to the plane surface of said table, a spreader bar mounted on said frame to extend through the

slot in said table above the plane surface thereof and having a band backing and work positioning face extending perpendicularly to the adjacent portion of said plane surface of said table, and a cylindrical spreader roller carried by the free end portion of said spreader bar above the plane surface of said table and having a surface portion coincident with the plane of said perpendicular face, in combination with a guide pulley mounted on said frame, a drive pulley mounted on said frame, a motor mounted on said frame, drive means driven by said motor and driving said drive pulley, a loop form polishing belt, and yieldable belt tensioning means engaging said belt, said belt



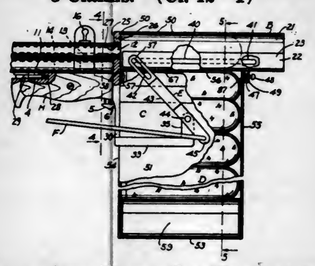
being driven by said drive pulley about said drive pulley and spreader roller and in engagement with said guide pulley and said tensioning means, and said tensioning means serving to hold a portion of the polishing belt in driving contact with said drive pulley and tending to hold another portion of the belt in a path slanting from said tensioning means to a point above the table where it passes about the spreader pulley and yielding to permit the latter portion of the belt to be depressed to an extreme point wherein belt portions travel at right angles to each other adjacent the spreader arm portion extending above said table.

2,365,585
NURSING BOTTLE
Dalton G. Paxman, Oakland, Calif.
Application May 3, 1943, Serial No. 485,507
1 Claim. (Cl. 215—11)



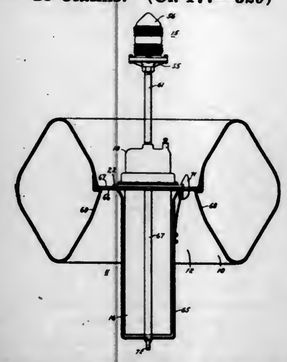
A nursing bottle having an externally threaded open end, a nipple including a disk-like base seating on the open end of the bottle, an air admission tube depending from said base into the bottle and having an air inlet end fixed in said base flush with the top face thereof, a cap for said nipple enclosing the same and closing said inlet end of the tube, and having a lateral flange seating on said base, and a keeper ring threaded onto said end of the bottle and clamping said flange against said base thereby seating said base on the open end of the bottle, said ring being removable to permit removal of said cap and thereby expose the nipple for use and open the inlet end of said tube, and adapted for turning down on said open end of the bottle to engage and seat said base on said end of the bottle.

2,365,586
GRENADE MAGAZINE ATTACHMENT FOR SERVICE RIFLES
John H. Pearson, Lowell, Mass.
Application July 21, 1942, Serial No. 451,784
5 Claims. (Cl. 42—1)



2. In an automatic, small calibre weapon having a barrel with a muzzle; a grenade guide in extension of the muzzle of the barrel and a grenade magazine for automatically feeding grenades to said guide; a grenade comprising a container, an axial tube extending centrally through the container in axial alignment with the barrel, a hollow rifle barrel rod slidable in the axial tube of the container, said rod being radially slotted and substantially filled with powder, a spring to project the rifle rod from the rear of the axial tube through the muzzle and into the barrel, and means for locking the rod in its projected position and to prevent it from revolving apart from the container, said locking means being releasable by centrifugal force.

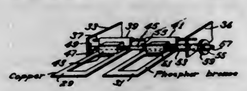
2,365,587
LIGHTING APPARATUS
Willis A. Pennow, Cleveland, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 13, 1939, Serial No. 309,052
13 Claims. (Cl. 177—329)



1. A floating seadrome marker light for use in outlining landing and other areas for sea-

planes on water comprising, a generally doughnut-shaped float, and a separate water-tight self-contained light unit suspended within the float from the inner side wall thereof, said light unit including a light source and a battery mounted within a water-tight enclosure which supports the light source above the top of the float and the battery below the top of the float, said float having a yieldable resilient wall forming a chamber containing a gaseous medium at approximately atmospheric pressure, said float and light unit providing a structure which is non-hazardous to surface craft and seaplanes.

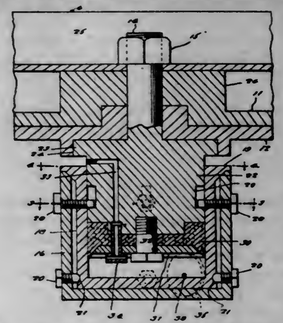
2,365,588
ELECTRICAL MEASURING DEVICE
Ambrose J. Petzinger, Paterson, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 28, 1942, Serial No. 428,493
6 Claims. (Cl. 171—264)



5. In an electrical measuring device for measuring a variable electrical quantity, a magnetic structure having an air gap bordered by a pole face, means for directing through said magnetic structure including said pole face into said air gap an alternating magnetic flux for producing a shifting magnetic field in said air gap varying in accordance with a quantity to be measured, an electroconductive armature positioned in said air gap, means mounting said electroconductive armature for rotation in said air gap in a direction such that a point on said armature passes from a position adjacent an entering edge of said pole face towards a position adjacent a trailing edge of said pole face, a first closed-circuit electroconductive member positioned adjacent said pole face to intercept and lag magnetic flux entering and leaving said air gap through a portion of said pole face nearer to the entering one of said edges, and a second closed-circuit electroconductive member positioned adjacent said pole face to intercept and lag magnetic flux entering and leaving said air gap through a portion of said pole face nearer to the trailing one of said edges, said electroconductive members shading said pole face to apply to said armature a resultant torque which is the difference between two opposed component torques applied to said armature as a result of the shading actions of said respective electroconductive members, said electroconductive members having different temperature coefficients of resistance, whereby said resultant torque is a function of the temperature of the measuring device.

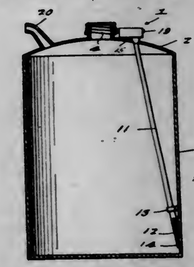
2,365,589
LOAD WEIGHING DEVICE FOR VEHICLES
Howard R. Poston, Bridge, and Paul C. Felkel, Myrtle Point, Oreg.
Application August 30, 1944, Serial No. 551,832
3 Claims. (Cl. 265—40)

2. In a lumber truck, the combination of a wheeled chassis frame, a stationary cylinder rigidly mounted in said frame, a piston vertically movable in and projecting above the cylinder, a lumber bunk mounted on and vertically movable with the piston, a fifth wheel construction between the lumber bunk and the piston, load indicating means including a pressure responsive device communicating with the cylinder through a side of the latter below the piston, and means



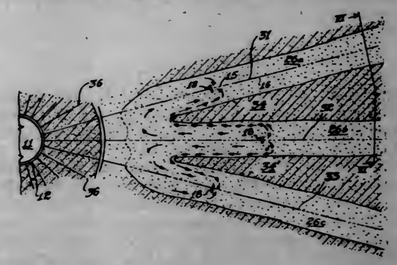
to facilitate the introduction of fluid under pressure into the cylinder below the piston.

2,365,590
CONTAINER VENT
Paul T. Radtke, Cottage Grove, Oreg.
Application June 29, 1943, Serial No. 492,759
3 Claims. (Cl. 220—44)



1. A container vent comprising an elongated trough-like housing, a tube communicating with the bottom of the housing, a ball valve mounted in the housing to roll along the same in opposite directions for opening and closing the tube, and a leaf spring in the housing yieldingly urging the ball downwardly in said housing, said spring having an end manipulative to flex the spring and cause the same to urge the ball in a direction to close said tube.

2,365,591
METHOD FOR PRODUCING OIL FROM VISCOUS DEPOSITS
Leo Ranney, McConnelsville, Ohio
Application August 15, 1942, Serial No. 454,956
13 Claims. (Cl. 262—1)



1. A process of removing viscous oil from the sand of a productive sub-stratum which consists

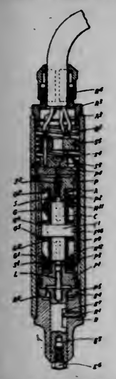
in drilling two wells in such sand which diverge along length portions thereof within the sand, creating a flow channel within such sand around and along each such well, extending such channels until they merge, creating a flow of removal reagent through the merged flow channels and from one such well to the other and from time to time varying the path of such flow through such sand by varying the point of delivery of such reagent from the delivery well into such sand.

2,365,592

ELECTRICAL MEASURING APPARATUS

Richard Edmund Reason, Leicester, England, assignor to Kapella Limited, Leicester, England, a company of Great Britain

Application May 31, 1941, Serial No. 396,228
In Great Britain May 30, 1940
18 Claims. (Cl. 33—147)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)



1. In electrical measuring apparatus, a differential gauge head comprising a casing, a pair of electromagnetic detector devices, each including a coil and at least two parts of magnetic material having cooperating pole faces and relatively movable in a direction at right angles to such pole faces the parts together constituting a magnetic circuit with a variable air gap, mounted within the casing with the coils of the two devices substantially coaxial, a longitudinally movable detecting member extending through that area at one end of the casing which lies in alignment with the detector devices, and means whereby longitudinal movement of the detecting member acts on the relatively movable parts of the two detector devices and causes one variable air gap to be increased and the other to be reduced in accordance with variations in the value to be measured.

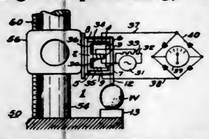
2,365,593

ELECTRIC GAUGE

Herbert T. Rights, Verona, and Henry L. Bernarde, Union, N. J., and Frederick J. Altman, Drew Field, Fla., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application November 19, 1942, Serial No. 466,142
3 Claims. (Cl. 33—147)

1. In an electrical measuring device responsive to mechanical displacements, an E-shaped magnetic member including a pair of spaced outer legs and an inner leg, an armature member of magnetic material extending between said outer legs, said inner leg being shorter than said outer legs to provide a face adjacent said armature member, said armature member being spaced from said outer legs to provide air gaps therebetween, means mounting said armature member for movement substantially parallel to said face of said inner leg to vary oppositely the air gaps between said armature member and said outer legs, said last-named means comprising a pair of leaf springs connecting said armature member to said magnetic member, a winding on said inner leg for producing, when energized,



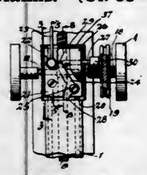
magnetic fluxes in said outer legs, and a separate winding on each of said outer legs, each of said windings having a voltage induced therein which is dependent on the magnetic flux passing through the associated leg of said magnetic member, said armature member having a contact element associated therewith, whereby displacements of said contact element relative to said magnetic member simultaneously vary oppositely the magnetic reluctances offered to magnetic fluxes passing respectively through said outer legs.

2,365,594

MICROSCOPE

Erwin O. Roeder, Ebenezer, N. Y., assignor to Spencer Lens Company, Buffalo, N. Y., a corporation of New York

Application January 26, 1942, Serial No. 428,215
8 Claims. (Cl. 88—39)



3. In a device of the character described, a support, an intermediate member adjustably mounted relative to said support, a body tube member adjustably mounted on said intermediate member, a pinion for actuating said body tube member, a shaft for rotating said pinion, a coarse adjusting knob and a fine adjusting knob on said shaft, a lever pivotally mounted on said intermediate member and engaging said support and means engaging said lever and said fine adjusting knob and actuated by rotation of said fine adjusting knob for pivoting said lever and thereby causing adjustment of said intermediate member relative to said support.

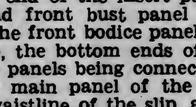
2,365,595

SPARK GAP DEVICE

Walter G. Roman, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Original application January 26, 1939, Serial No. 252,928. Divided and this application March 4, 1942, Serial No. 433,352
6 Claims. (Cl. 175—30)

1. A double spark gap device comprising a plane intermediate electrode, an upper electrode, a first annular insulating spacer member disposed between the intermediate electrode and the upper electrode to space them apart, a lower electrode, a second annular insulating spacer member disposed between the intermediate electrode and the lower electrode to space them apart, and a conducting member carried by said intermedi-



ate electrode, said conducting member having a portion in contact with the inside cylindrical surface of the first spacer member and having another portion in contact with the inside cylindrical surface of the second spacer member.

2,365,596

SLIP

Sylvia Roodner, New York, N. Y.

Application May 27, 1944, Serial No. 537,680
2 Claims. (Cl. 2—73)

1. A slip of the form-fitting type comprising a skirt section and a bodice, said skirt section consisting of a main panel and a longitudinal front insert panel connected to each other at the front of the slip, said main panel forming the complete rear portion of the slip and also a portion of the front thereof, the upper portion of said insert panel extending above the top edge of said main panel into the bodice and forming a part thereof, the upper end of said insert pahel being of double concavo-convex shape, said bodice consisting of two similarly shaped front panels and a front bust panel located therebetween and a rear panel, said front bust panel being located above and being connected to the curved top end of the insert panel of the skirt section, said front bust panel being also connected to the front bodice panels at the front of said bodice, the bottom ends of said front and rear bodice panels being connected to the upper end of the main panel of the skirt section to form the waistline of the slip, and a back strap member connected to said bodice intermediate the front and back portions thereof.

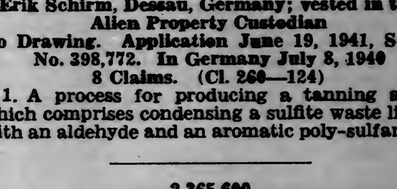
2,365,597

SNOWPLOW

Frederick James Roth, Hucknall, England

Application May 17, 1943, Serial No. 487,361
In Great Britain April 9, 1942
1 Claim. (Cl. 37—42)

A snowplow having a frame provided with skids for the support of the mould blade, bolts extending upwards from the skids through parts on the frame, nuts on said bolts above said parts, and compression springs encircling the bolts between said parts and skids whereby adjustment tending to lower the edge of the blade relative to the skids is effected against the compression



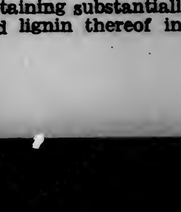
of said springs; and thrust plates carried by the frame engageable by the ends of the skids to relieve the strain on said bolts.

2,365,598

BOTTLE CLOSURE

Herbert Rubin, New York, N. Y.

Application January 7, 1942, Serial No. 425,827
1 Claim. (Cl. 41—10)



The combination of an article having a recess opening through the upper end thereof, a bobeche resting upon the upper portion of the article and having an opening in registry with said recess, a resilient stopper having an outwardly extending lip at its upper end, said lip being of a diameter greater than the opening in the bobeche and the said recess, the stopper being of a size to fit in close engagement with the recess of the article and to hold the bobeche in fixed position with respect thereto, and an upper element, the lower part of which fits over the stopper and engages the outer edge of the lip in frictional relation thereto.

2,365,599

TANNING AGENTS AND PROCESS FOR MAKING THEM

Erik Schirm, Dessau, Germany; vested in the Alien Property Custodian

No Drawing. Application June 19, 1941, Serial No. 398,772. In Germany July 8, 1940
8 Claims. (Cl. 260—124)

1. A process for producing a tanning agent which comprises condensing a sulfite waste liquor with an aldehyde and an aromatic poly-sulfamide.

2,365,600

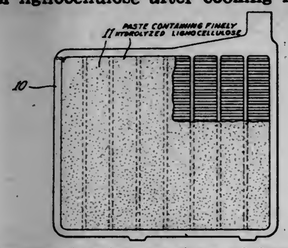
STORAGE BATTERY PASTE AND METHOD OF MAKING THE SAME

Arlie W. Schorger, Madison, Wis., assignor, by mesne assignments, to National Lead Company, a corporation of New Jersey

Application April 3, 1940, Serial No. 327,594
9 Claims. (Cl. 136—26)

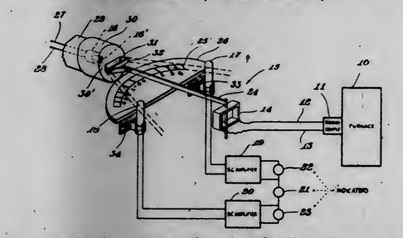
4. An expander for storage battery plates of the lead acid type comprising finely-divided treated natural lignocellulose, said treated lignocellulose containing substantially all the natural cellulose and lignin thereof in situ and being

substantially free of the water-solubles contained in natural lignocellulose after cooking in water



under pressure at a temperature of from about 150° C. to about 225° C.

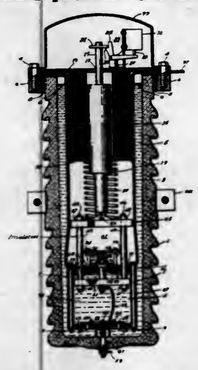
2,365,601
ELECTRONIC INDICATING DEVICE
Lambertus Cornelis Sipman, Buenos Aires, Argentina, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application January 10, 1944, Serial No. 517,728
7 Claims. (Cl. 177—311)



1. An electronic device for indicating a predetermined operating zone of a condition of a process and the deviations of said condition from said predetermined zone, which comprises means for transforming energy derived from said process condition into electrical energy, a measuring instrument responsive to said electrical energy and provided with a pointer, a source of light energy, a portion of said pointer acting as shutter between said light source and a first and second light-sensitive means located at each side of said pointer and operatively coupled with a first and second indicating means, respectively, said first and second light-sensitive means being also operatively coupled to a common indicating means, both light-sensitive means being located within a shade area formed by said shutter portion to render operative said common indicating means when the pointer position corresponds to said predetermined zone, while either of said first and second light-sensitive means is energized by said light source to render operative the first and second indicating means, respectively, and to render inoperative said common indicating means, when said shade area shifts in response to a pointer deflection caused by a deviation of said condition from said zone.

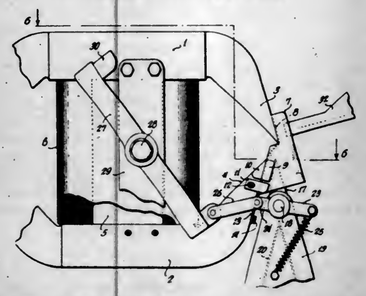
2,365,602
OIL CIRCUIT BREAKER
Joseph Slepian, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 25, 1941, Serial No. 416,500
5 Claims. (Cl. 200—150)

1. In a circuit breaker of the type using an arc extinguishing fluid to assist in the breaking of the arc drawn when the circuit breaker is opened, an arcing chamber, a stationary contact disposed in the wall of said chamber and a movable contact cooperating therewith, a supporting frame for said movable contact movable within said arcing chamber, part of said supporting frame also being movable into and out of said arcing chamber, at least one aperture in said stationary contact, a valve associated with said aperture in said stationary contact, piston means for ejecting under pressure the decomposed arc



extinguishing fluid from said arcing chamber through said aperture in said stationary contact, said valve associated with said aperture serving the purpose of preventing a return of the decomposed arc extinguishing fluid to said arcing chamber, said piston means being movable for supplying a fresh supply of arc extinguishing fluid to said arcing chamber during each operation of said circuit breaker, said piston means comprising the part of said supporting frame movable into and out of said arcing chamber.

2,365,603
MAGNETIC SEPARATOR
Roswell H. Stearns, Wauwatosa, Wis., assignor to Stearns Magnetic Mfg. Co., Milwaukee, Wis., a corporation of Wisconsin
Application June 21, 1943, Serial No. 491,652
12 Claims. (Cl. 209—223)

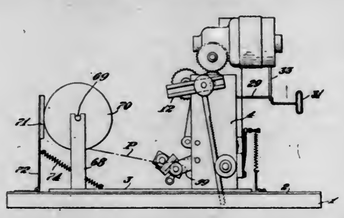


7. A magnetic separator for separating material of higher and lower permeability from nonmagnetic material at one operation comprising an electromagnet having a pair of spaced poles with one of said poles positioned approximately above the other of said poles, a chute of magnetizable material extending across the poles, means for feeding material into intimate contact with said chute whereby highly permeable magnetic material will be held against said chute and non-magnetic material and material of low permeability will fall from said chute and the magnetic material of lower permeability will be drawn into the flux path and will drop beyond the falling stream of non-magnetizable material, and means for simultaneously stopping the feed and jarring the chute to dislodge the material of high permeability.

2,365,604
STORAGE BATTERY PLATES AND PROCESS FOR MAKING THE SAME
Alexander Stewart, Mountain Lakes, N. J., and Eugene Willihnganz, Baldwin, N. Y., assignors to National Lead Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application December 19, 1940, Serial No. 370,802
12 Claims. (Cl. 136—27)

1. The process of making an expander for storage battery plates of the lead-acid type which comprises mixing finely-divided natural lignocellulose in water containing between about 0.5 per cent and 10.0 per cent of an acid cellulose hydrolyzing agent, heating said mixture under pressure at a temperature between about 130° C. and above 200° C. for from about fifteen minutes to about two hours and recovering the insoluble residual lignocellulose therefrom.

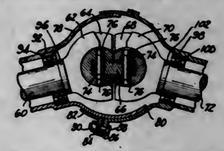
2,365,605
MACHINE FOR CUTTING SHEET MATERIAL
Erwin L. Sutter, Sharon, Mass., assignor to Tobe Deutschmann Corporation, Canton, Mass., a corporation of Delaware
Application September 1, 1943, Serial No. 500,774
4 Claims. (Cl. 164—42)



1. A machine for cutting web material into sheets of predetermined length and width and wherein a movable shear blade cooperates with a fixed ledger blade to shear the material transversely of its length and wherein feed rolls intermittently advance the web material into the field of action of the movable blade, characterized in that one of the feed rolls is mounted on a support so that it may be swung about an axis parallel to the axis of the roll, a rigid lever arm fixed to the support, a spring connected at one end to said arm, a hook device connected to the other end of the spring, and a fixed part with which the hook is normally but releasably engaged whereby the spring tension may be completely relieved at will thereby to permit free separation of the rolls.

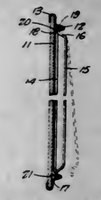
2,365,606
CONSTANT VELOCITY UNIVERSAL JOINT
Cecil H. Taylor, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application April 13, 1942, Serial No. 438,693
3 Claims. (Cl. 64—21)

1. A universal joint comprising a driving member and a driven member, a pair of partly-spherical members associated one each with said driving and driven members, said partly-spherical members having cooperating curved nose surfaces adapted to take the axial thrust transmitted from the driving member to the driven member a recess in each of the partly-spherical members adapted to receive a plate-like element to transmit torque from the driving member to the driven member, a pair of bores in each of the partly-spherical members and the plate-like element, the bores of the plate-



like element being coaxial with the first mentioned bores, a pair of pins associated one with each set of bores for holding the partly-spherical members to the plate-like element, a pair of bores associated one with the driving member and one with the driven member and so disposed with reference to each partly-spherical member that upon rotation of the member its associated bore is in axial alignment with the other bores so that the pin may be removed to disassemble the joint.

2,365,607
BINDER
Hugo Thomsen, Washington, D. C.
Application May 29, 1943, Serial No. 489,011
1 Claim. (Cl. 281—19)



In a binder of the character described, a binder body, a rigid backing strip removably secured to the medial portion of the body, an inwardly projecting V-shaped fold formed at each end portion of the backing strip, each of said folds being provided with a pair of transversely spaced apertures, a pair of resilient linear retaining elements, one end of each of said elements extending into one of the folds through the apertures therein and having a head thereon disposed within the fold to permanently connect said end with the fold and the opposite end of each retaining element extending into the other fold through the apertures therein for detachably connecting said last mentioned ends with the other fold.

2,365,608
ELECTRIC DISCHARGE DEVICE
Adolph H. Toepfer, Los Angeles, Calif., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Original application June 23, 1939, Serial No. 280,717. Divided and this application June 25, 1943, Serial No. 492,228
3 Claims. (Cl. 250—27.5)

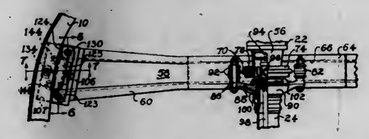
1. An electric discharge device comprising a cathode of the pool type and an ignition electrode

consisting of a conductor enclosed in an insulating coating of glass having silicon carbide crys-



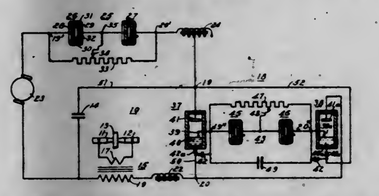
tals embedded therein in engagement with said cathode.

2,365,609
AUTOMOTIVE RUNNING GEAR
Nils Erik Wahlberg, Chicago, Ill., assignor to Nash-Kelvinator Corporation, Kenosha, Wis., a corporation of Maryland
Application January 10, 1942, Serial No. 426,296
13 Claims. (Cl. 180—85)



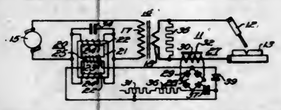
4. In an automobile, a power unit, a driving unit, a frame member, a support member extending from between the adjacent ends of said power unit and said driving unit to the sides of said frame member, means including a deformable pad for connecting said support member with said frame member, means including a deformable ring for connecting one of said units to said support member, and means including deformable biscuits positioned on each side of and independent of said deformable ring for connecting the other of said units to said support member.

2,365,610
CONTROL APPARATUS
Alfred B. White, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 24, 1941, Serial No. 399,465
18 Claims. (Cl. 250—27)



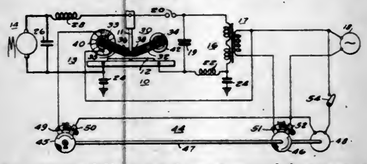
2. A switch system for an alternating current circuit including a load device comprising, a pair of non-directional arc discharge gap devices having relatively large area plane electrodes so spaced in a gaseous medium at a pressure less than 10 centimeters of mercury that the predetermined breakdown voltage is substantially a minimum connected in series circuit relation with the load device, and impedance means provided with an adjustable tap connected intermediate the discharge devices connected in shunt relation with the discharge devices to prevent breakdown of th earc discharge devices until a predetermined point in the voltage wave of the source, whereby control of the conducting period of the said devices is effected to predetermine the average load current.

2,365,611
WELDING SYSTEM
Alfred B. White, Murrysville, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 24, 1942, Serial No. 452,195
16 Claims. (Cl. 315—279)



1. Reduced open circuit control means for a welding transformer having a primary winding for connection to a source of alternating current and a secondary winding for supplying welding current to a welding circuit comprising, a saturable reactor having an alternating current winding connected in series circuit relation with the primary winding and a direct current control winding, and circuit means including a current transformer connected in series circuit relation with one of the transformer windings disposed to saturate when the welding current is on the order 25%–35% of the normal welding current to effect energization of the control winding in order to produce a drooping characteristic load curve having a low open circuit voltage and a relatively high voltage peak at about 25%–35% of the normal value of welding current.

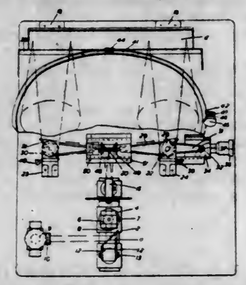
2,365,612
WELDING SYSTEM
Alfred B. White, Murrysville, and Charles H. Jennings, Forest Hills, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 21, 1942, Serial No. 435,608
10 Claims. (Cl. 315—176)



1. An arc welding system comprising, an electrode and work positioned in predetermined spaced relation for maintaining an arc and connected to a relatively low voltage source of welding current, auxiliary high frequency means connected between the electrode and work energizable to initiate a flow of welding current from the source across the space between the electrode and the work, magnetic arc extinguishing means energizable to produce a magnetic field about the arc extinguish the arc between the electrode and work while they remain within arcing distance of each other, and switch means operable to effect energization of the auxiliary high frequency means and arc extinguishing means in predetermined timed relation to each other.

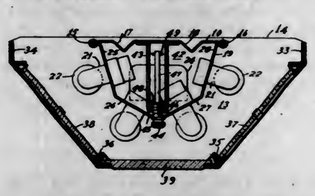
2,365,613
OPTICAL PROJECTION APPARATUS
Martin Denzil Wibmer, Percy Parsons Atkins, and Edwin George Mander Holbrow, London, England
Application November 18, 1942, Serial No. 465,986
In Great Britain November 12, 1941
12 Claims. (Cl. 88—24)

1. In combination, means including a source of light to produce a profile of an object, a lens system forming an image of the profile and projecting the light therefrom towards a screen, light-reflecting means in the path of the light from the lens system to reflect said image in two separate light beams, each comprising said image and each reflecting it towards the screen,



ray-inverting means in the path of one of said beams to produce an inverse image of the profile while the image from the other beam is erect, and means in the paths of said light beams to move said beams relative to each other to superimpose said inverse and erect images.

2,365,614
LUMINAIRE
Frederic C. Winkler and Elroy W. Yungman, Cleveland, Ohio, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 13, 1943, Serial No. 479,025
9 Claims. (Cl. 240—78)



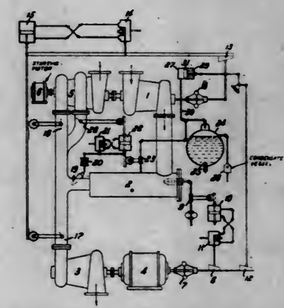
1. A luminaire comprising, an elongated mounting plate, an elongated reflector assembly mounted beneath the mounting plate, said reflector assembly comprising an elongated trough-shaped reflector element with spaced openings in the bottom along its longitudinal axis and having a plurality of lamp holders mounted at each end thereof for supporting a plurality of elongated tubular lamps on the outside of and lengthwise of the reflector element and a ballast device for the lamps mounted on the interior thereof, a plurality of extensible bracket devices interposed between the mounting plate and reflector assembly for supporting the reflector assembly from the mounting plate in raised and lowered positions, said bracket devices each comprising a U-shaped member having its open ends attached to the bottom of the mounting plate and a threaded opening in its connecting portion at the bottom and a connecting stem extending upwardly through the spaced opening in the reflector element through the threaded opening in the U-shaped member and having a threaded portion to engage the threaded opening in the U-shaped member, said reflector assembly being supported in engagement with the mounting plate when in its raised position and in spaced relation therewith when in its lowered position.

2,365,615
AUTOMATIC TEMPERATURE CONTROL FOR ELECTRIC COFFEE MAKERS
Kenneth L. Woodman, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 17, 1941, Serial No. 411,112
7 Claims. (Cl. 219—43)



1. In a coffee maker having a heating element, the combination of a thermostatic structure responsive to the heat produced by the element for regulating the operation of said element to first supply a coffee brewing temperature and then to automatically reduce the heat produced by said element to maintain the coffee at a serving temperature below the brewing temperature, said thermostatic structure comprising a first device responsive to the heat produced by said element for maintaining energization of the heating element to produce a high heat output for a predetermined period, and a second device also responsive to the heat produced by said element for maintaining the energization of the heating element to produce a low heat output whereby the temperature of the brew is automatically retained at a serving temperature somewhat below the brewing temperature.

2,365,616
REGULATING APPARATUS FOR GAS TURBINE PLANTS
Otto Zweifel, Baden, Switzerland, assignor to Aktiengesellschaft Brown, Boverie & Cie., Baden, Switzerland, a joint-stock company
Application November 26, 1941, Serial No. 420,602
In Switzerland November 28, 1940
4 Claims. (Cl. 60—42)



4. In a combustion gas turbine plant, a power turbine and a variable speed turbine driving a compressor supplying compressed air to a combustion chamber, means for supplying fuel to said combustion chamber, pipes connecting said combustion chamber to said turbine to supply driving gases thereto, a supply vessel for con-

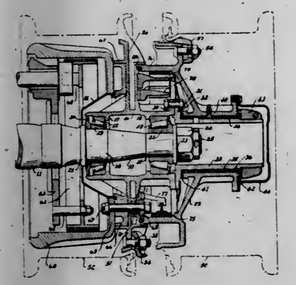
taining a fluid medium for injection into the combustion gases, control means responsive to a decrease in the power turbine speed below a selected value to increase the fuel supply to said combustion chamber and substantially simultaneously to open a connection between said supply vessel and said pipes, and means responsive to a decrease in the pressure within said supply vessel below a selected value to adjust said variable speed turbine for operation at an increased speed, thereby to increase the air supply to said combustion chamber.

2,365,617

DUAL WHEEL ASSEMBLY

Charles S. Ash, Milford, Mich.

Application July 23, 1942, Serial No. 452,005
5 Claims. (Cl. 301—36)



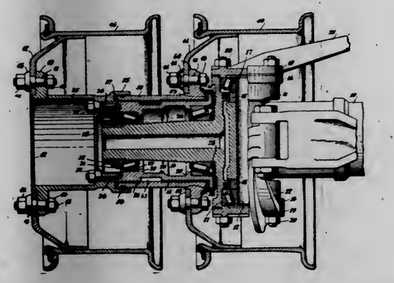
1. In a dual wheel assembly, in combination, an axle end, bearing means on the axle end, a cylindrical hub rotatably mounted on said bearing means, a cylindrical member secured to the outer end of said hub axially outwardly beyond said bearing means, and another hub rotatably journalled on the cylindrical member.

2,365,618

DUAL WHEEL ASSEMBLY

Charles S. Ash, Milford, Mich.

Application June 30, 1943, Serial No. 492,836
9 Claims. (Cl. 301—36)



1. A dual wheel assembly comprising, in combination, a rotatably mounted hub member, a second hub member journalled on the first hub member for independent relative rotation, a hub extension removably secured to the first hub at the outer end thereof, and a pair of inwardly dished wheels one mounted on the outer end of the extension and the other mounted on the inner end of the second hub member.

2,365,619

COMPOSITION FOR PRODUCING FIRE-FIGHTING FOAM AND METHOD OF PREPARING SAME

Thomas J. Bagley, Haddonfield, N. J., and David Levin, Philadelphia, Pa., assignors to R. M. Hollingshead Corporation, Camden, N. J., a corporation of New Jersey

No Drawing. Application February 20, 1943, Serial No. 476,618
8 Claims. (Cl. 252—8.05)

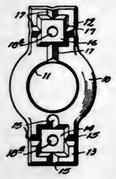
3. A process for preparing a foam-forming material comprising dissolving a proteinaceous material in boiling water, reducing the temperature to approximately 60° C., adding a water-soluble nitrite, maintaining the mixture at approximately 60° C. for about one hour, cooling, and thereafter adding a saponaceous material.

2,365,620

CONDUIT SUPPORTING DEVICE

Joseph Banneyer, Chicago, Ill.

Application April 11, 1942, Serial No. 438,577
13 Claims. (Cl. 248—68)



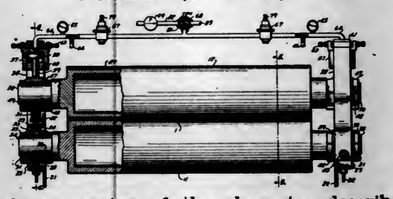
1. In a device of the character set forth, a plurality of conduit supporting members, each having an opening through which a conduit may pass and each having at least two angularly-related ears, one of said ears being provided with a socket having angular portions and another of said ears having an angular projection adapted to be received within the socket of a similar member, and means for securing the projection of one member within the corresponding socket of another.

2,365,621

APPARATUS FOR CONTROLLING THE COATING OF PAPER

Robert W. Bender, Kansas City, Mo., assignor to Waxide Paper Company, Kansas City, Mo., a corporation of Missouri

Application August 3, 1940, Serial No. 350,851
5 Claims. (Cl. 91—31)



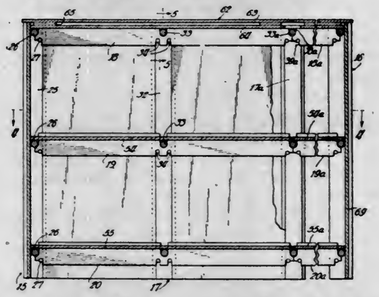
5. An apparatus of the character described comprising means for applying a coating and/or impregnating medium to paper including a pair of rollers adapted to have the paper passed therebetween, means for applying pressure to one of said rollers relative to the other for fixing predetermined portions of the coating medium in and on said paper including a pair of standards, aligned bearings in said standards supporting the ends of said rollers, piston cylinders mounted on said standards having pistons engageable with the ends of one of said rollers for exerting forces against said roller in the direction of the other roller, a fluid pressure line leading to said cylinders, means for feeding said fluid pressure line with sufficient pressure medium to exert suitable forces, and a valve for controlling supply and exhaust from said line relative to said line feeding means.

2,365,622

SHELF CONSTRUCTION

Walter Allan Bockius, Glenview, Ill.

Application January 7, 1944, Serial No. 517,315
15 Claims. (Cl. 211—148)



9. A unit shelf construction comprising three frames, each frame including a front and rear upright and rounds disposed therebetween, rails provided with notches in their upper edges to fit around said rounds, said rails being provided with longitudinally extending grooves at their inner surfaces, shelves fitting in said grooves, and a pair of horizontally aligned dowel pins set into the inner surfaces of the uprights of the center frame just below a round and received within recesses formed in the lower edges of said rails for supporting the same, and cooperating with said round to provide a rigid joint.

2,365,623

PREPARATION OF DIHYDROPYRAN

John George Mackay Bremner and Donald McNeil, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application December 31, 1941, Serial No. 425,204. In Great Britain February 21, 1941
4 Claims. (Cl. 260—333)

1. A process for the production of a 1:2-dihydropyran which comprises subjecting tetrahydrofurfuryl alcohol in the vapour phase and at a temperature between 200° C. and 500° C. to the action of a catalyst consisting essentially of a mixture of alumina and aluminium phosphate in which the ratio by weight of Al_2O_3/P_2O_5 is between 1.8 and 3.5.

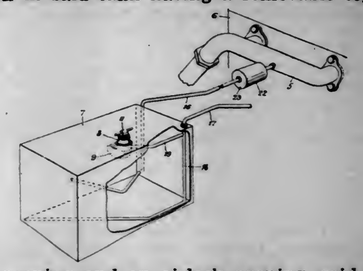
2,365,624

SAFETY FUEL TANK

Dominic Cantello and Gaetano Cantello, Streator, Ill.

Application January 21, 1941, Serial No. 375,284
14 Claims. (Cl. 158—36)

1. In combination, for use with an internal combustion engine, a fuel tank, said tank comprising means for retaining inert gas, fuel conduit means from said tank for attachment to an engine, means for supplying inert gas to said tank, said means comprising a conduit for connecting the exhaust of an engine to said tank, filter means in said conduit adapted to dehydrate gases moving toward the tank, and a filler connection in said tank having a removable top, a



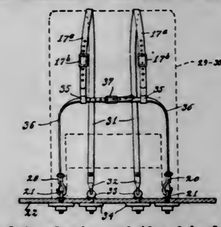
filler opening and an airlock opening, said top, when in the closed position, closing both of said openings, and a connection from said airlock opening to said fuel conduit.

2,365,625

SAFETY DEVICE FOR VEHICLE PASSENGERS

Vernon R. Carlisle, Kenosha, Wis.

Application December 22, 1941, Serial No. 423,939
5 Claims. (Cl. 155—189)



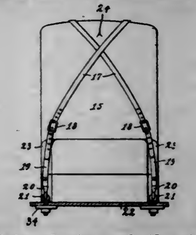
1. In a safety device of the kind described for a seat of a vehicle, a pair of straps extending downwardly from the top of the seat back in front of the seat back and extending over the top of the seat back and anchored at their rear ends to the floor of the vehicle, and a pair of straps anchored to the floor near the bottom of the seat adjacent the front at the sides thereof and slidably engaging the lower front ends of the first straps and connected therebetween.

2,365,626

SAFETY HOLDING DEVICE FOR VEHICLES

Vernon R. Carlisle, Kenosha, Wis.

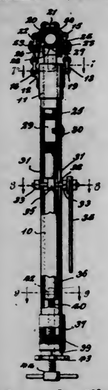
Application December 22, 1941, Serial No. 423,940
4 Claims. (Cl. 155—189)



2. In a safety device of the kind described for a seat for a vehicle having a back, a pair of straps each secured in back of said seat back at one end, means confining the opposite ends of the straps, the confining means comprising

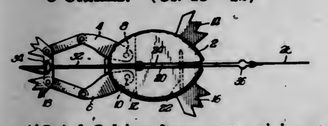
eye-bolt and snap fastening means for securing at least one of said straps at its other end to the floor adjacent the front of said seat, said secured straps being adjustable in length by means thereon adjacent the top of the seat and extending down through recesses in front of the seat, said straps being arranged in convergent relation extended diagonally across each other at the front of the seat back to provide a body and head opening, and said straps being adapted to cover portions of a body seated in said seat, and to limit movement of said body relative to said seat.

2,365,627
PIPE WRENCH
Frank L. Cook, South Bend, Ind.
Application April 29, 1944, Serial No. 533,352
6 Claims. (Cl. 81—65)



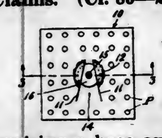
1. A pipe wrench or the like comprising a tubular body member having a transversely extending member at one end adapted to form a loop, a floating plunger within the body member and having a head movable within the bight of the loop for engagement of an interposed pipe, a compression plunger within the body member rearwardly of the floating plunger, means for adjusting the longitudinal position of the compression plunger, a cam member interposed between adjacent ends of the floating and compression plungers, and lever means associated with the cam for effecting sliding movement of the floating plunger in the direction of the loop.

2,365,628
ARTIFICIAL FISHING LURE
Albert J. Dory, Chicago, Ill.
Application April 30, 1942, Serial No. 441,071
8 Claims. (Cl. 43—42)



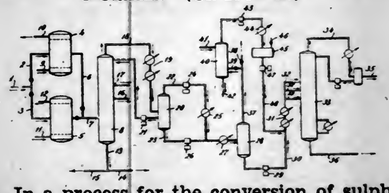
1. An artificial fishing lure, comprising a body so constructed as to simulate some natural food for fish, body elements articulatedly connected to said body, a lever pivotally connected to said body and having means adjacent one end having a direct connection to a fishing line, and a link member connected to the other end of said lever and to said elements whereby said elements are moved to simulate lifelike action thereof as said lure is moved forward by said fishing line.

2,365,629
CLIP
Oliver C. Eckel, Cambridge, Mass.
Application September 9, 1943, Serial No. 501,636
3 Claims. (Cl. 85—28)



1. A clip comprising a base and a shank, said shank embodying a pin member and an enlarged head, said base having slits therein and having two side portions adjacent said slits and offset from said base, said head being between said slits and under said offset portions and below said base.

2,365,630
PRODUCTION OF CATALYTICALLY CRACKED GASOLINE
Frank C. Fahnestock, Wenonah, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application July 13, 1943, Serial No. 494,483
3 Claims. (Cl. 196—52)



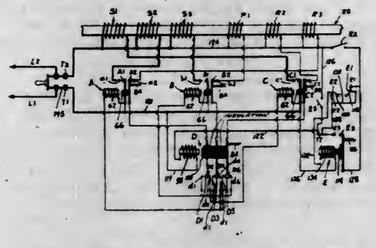
1. In a process for the conversion of sulphur-containing hydrocarbon charge stocks in the presence of a solid adsorptive catalytic contact mass material alternately utilized in reaction and subjected to an oxidation regeneration, the method of producing gasoline product substantially free of corrosive sulphur which method comprises passing charge hydrocarbon at conversion conditions of temperature and pressure in contact with a contact mass to produce the desired conversion, fractionating from the products of conversion those portions heavier than the desired gasoline product, withdrawing the gasoline vapors and lighter products together from the fractionator, cooling the combined stream to condense the gasoline fraction, separating the uncondensed gases containing hydrogen sulphide and sulphur dioxide from the gasoline, subjecting the uncondensed gases to compression and cooling and recombining them with the liquid gasoline fraction under a higher pressure than that at which the first separation was effected, effecting a second separation of liquid and gases at this higher pressure and passing the liquid from the separation to a stabilizing operation to produce a stabilized gasoline product, while excluding from the stabilizer the sulphur-containing gases separated from the high pressure gas separator.

2,365,631
OXIDATION OF HALOGENATED HYDROCARBONS
William L. Faith, Manhattan, Kans., assignor to Sharples Chemicals Inc., Philadelphia, Pa., a corporation of Delaware
No Drawing. Application December 18, 1941, Serial No. 423,519
6 Claims. (Cl. 260—537)

1. In the manufacture of acids of the class consisting of maleic and fumaric acids, the process

comprising selectively oxidizing a chloro substitution product of a paraffin hydrocarbon containing between 4 and 8 carbon atoms which contains at least 4 carbon atoms in a straight chain portion of the molecule and has hydrogen atoms attached to at least two adjacent intermediate carbon atoms of said straight chain portion, said oxidation being effected by vapor phase passage of said hydrocarbon substitution product with gas containing free oxygen over a catalyst chosen from the class consisting of salts and oxides of vanadium, molybdenum, tungsten, chromium and uranium, while the mixture is heated to a temperature between 300° C. and 700° C.

2,365,632
ELECTROMAGNETIC MOTIVE MEANS
Frederick C. Fisher, Bellmore, N. Y., assignor to Electronoid Corporation, a corporation of New York
Application October 1, 1942, Serial No. 460,398
21 Claims. (Cl. 172—290)



1. Apparatus of the character described comprising a motive device including a plurality of solenoid coils arranged in tandem, a solenoid plunger having alternate magnetic and non-magnetic sections arranged in tandem, said coils and plunger being mounted for relative axial movement, a plurality of reactance coils arranged in tandem and positioned in axial alignment with said solenoid coils, said reactance coils and said plunger being mounted for relative axial movement, said coils and said sections of the plunger being relatively positioned so that one of said magnetic sections is at least partly in one of said reactance coils when another of said magnetic sections is at least partly in one of said solenoid coils, and means operable under the control of said reactance coils during the movement of said plunger to connect one of said solenoid coils to a source of electric current and to disconnect another of said solenoid coils from said current source.

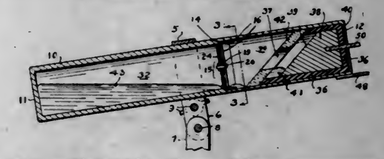
2,365,633
INSOLE FOR SHOES
James M. Friend and Fred Richardson, Columbus, Ohio, assignors to The Walker T. Dickerson Company, Columbus, Ohio, a corporation of Ohio
Application November 24, 1943, Serial No. 511,506
3 Claims. (Cl. 36—22)

1. An insole for use in making welted shoes comprising an insole body, an originally separate insole rib extending around the marginal portion of said body, said rib being formed from a length of fabric tape initially folded upon itself to produce upper and lower layers, stitching passing through the two layers of the tape and the insole body, the stitching being disposed adjacent to the adjoining edges of the upper layer of the tape, and adhesive means applied to the unstitched portions of the tape to unite said



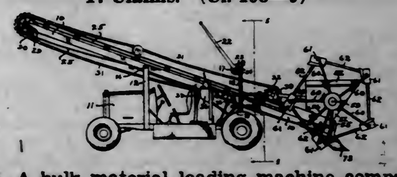
portions in upstanding and stiffened rib-forming order.

2,365,634
MERCURY SWITCH
Milton W. Griffes, Cleveland, Ohio, assignor to The Electric Controller & Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application May 21, 1942, Serial No. 443,848
17 Claims. (Cl. 200—33)



1. An adjustable time delay, mercury flow switch comprising an envelope having two chambers from each of which mercury can flow into the other, a quantity of mercury therein for rendering the switch operative to open and close a circuit through the switch upon predetermined distribution of the mercury in said chambers, means operatively interposed between the chambers and having an axis normally disposed at an angle to the vertical and operative to vary the rate of flow of mercury from one of said chambers into the other dependent upon the position to which said means is rotated about its axis, said means and envelope being secured for rotation together about said axis, whereby control of the mercury flow may be obtained by rotation of the envelope about said axis, and means supporting the envelope for rotation about said axis.

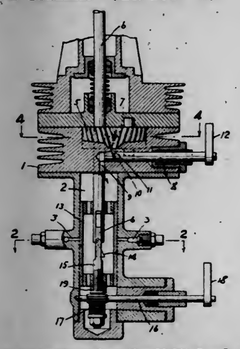
2,365,635
LOADING MACHINE
Don Rex Hart, near Worthington, Ind.
Application September 1, 1944, Serial No. 552,261
17 Claims. (Cl. 198—9)



1. A bulk material loading machine comprising in combination, a portable vehicle; a conveyor mounted on the vehicle; a hopper over one end portion of the conveyor and mounted in fixed position relative thereto; a shaft positioned

transversely of the conveyor; a plurality of buckets; means driven by said shaft to one side of said hopper to carry a part of said buckets at constant radial distances from the shaft; means driven by said shaft at the other side of said hopper to carry the other of said buckets at constant radial distances from said shaft; said buckets in each instance being positioned to travel in a path extending over the top of said hopper; and means mounted between the two groups of buckets to move material into the paths thereof below said hopper.

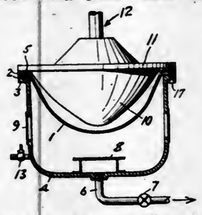
2,365,636
ROTARY FUEL INJECTOR
Harry O. Hedges, Seattle, Wash., assignor to Tabor-Hedges Company, Philadelphia, Pa., a corporation of Pennsylvania
Application May 2, 1942, Serial No. 441,566
4 Claims. (Cl. 103—2)



1. A rotary injector for "solid" fuel comprising, in combination, a casing having therein a distributing cylinder provided in its curved wall with a row of ports and having therein a pump chamber and rotary driven pump elements and equipped with valved communication to the distributing cylinder including a tubular valve element having in its curved wall a slot of V-shaped open area positionable to regulate the rate of flow, an open-ended balanced sleeve valve rotatably and endwise movably mounted in the cylinder and provided in its curved wall with a slot of generally right angle triangular open area variously alignable with the row of ports to adjust the time and duration of flow, endwise slidable connections between the sleeve and a rotary element of the pump, means for endwise adjusting the sleeve, and means for setting the sleeve angularly in respect to the endwise slidable connections to adjust the time of feed.

2,365,637
METHOD OF SHAPING THERMOPLASTIC DOMES
Edward L. Helwig, Bristol, Pa., assignor to Röhm & Haas Company, Philadelphia, Pa., a corporation of Delaware
Application August 28, 1942, Serial No. 456,510
6 Claims. (Cl. 18—56)

1. A process for the production of rigid domes from organic, synthetic, thermoplastic material in rigid sheet form which comprises rendering said rigid sheet ductile by heating, holding the edges of the ductile sheet in a clamping device, establishing a gaseous pressure differential on opposite sides of the sheet until the ductile sheet is distended, inserting a form into the cavity formed by said ductile and distended sheet, reducing the pressure differential so as to allow the ductile and distended sheet to contract by its own normal contractive forces and come into light contact

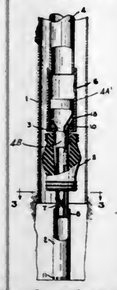


with the form and conform to the shape thereof, cooling said sheet until it is rigid, and thereafter removing the rigid dome from contact with the form.

2,365,638
SULPHONATION OF ORGANIC COMPOUNDS
George Felix Hennion, South Bend, Ind., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 21, 1940, Serial No. 320,013
10 Claims. (Cl. 260—505)

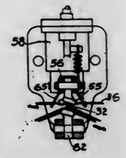
1. The process which comprises making a sulphonating mixture comprising sulphuric acid, boron trifluoride and an organic compound of the group consisting of compounds of the aromatic and heterocyclic series; and maintaining the reaction mixture at sulphonating temperatures until the organic compound is sulphonated.

2,365,639
OIL WELL FILTER
Harrison Howard Holmes, Woodbury, N. J., and Walter Eastby Lawson, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application December 6, 1941, Serial No. 421,923
1 Claim. (Cl. 166—10)



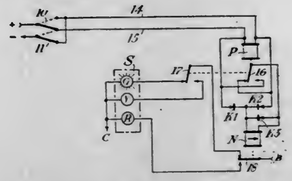
An apparatus for forming porous cement oil well filters which comprises a removable liner disposed at the bottom of the well, a lower portion of tubing attached to the top of said liner, an upper portion of tubing telescoping said lower portion, a compressible packer sleeve surrounding both portions of said tubing, the top of said sleeve packer being attached to the upper portion of said tubing and the lower portion of said sleeve packer being attached to the lower portion of said tubing, whereby the weight of said upper portion of tubing is adapted to telescope on said lower portion compressing said sleeve packer to close the bore of the well, ports disposed in the lower portion of said tubing opening into the annular space surrounding the tubing and liner, a port in the upper portion of said tubing, and an inner extension of the lower portion of said tubing adapted to contact the upper portion of said tubing during telescoping action and to form a channel tube from the interior of the liner to the annular space above the packer.

2,365,640
GRINDER HEAD APPURTENANCE
Louis Ilmer and Vernon R. Pallas, Cortland, N. Y.; said Pallas assignor to Leota T. Pallas
Application March 13, 1942, Serial No. 434,506
15 Claims. (Cl. 51—150)



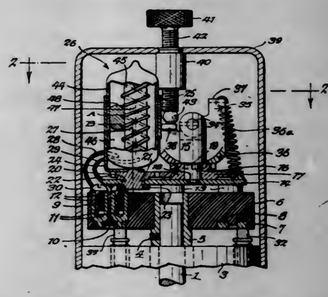
1. In a grinder machine adapted to abrasively treat an elongated work piece, said machine comprising equalizer bar means having a clamping shoe at the respective end regions thereof, each such shoe including a backing face and which conjoined faces are angularly disposed in V-shaped formation having a dihedral angle therebetween of which both planes lie approximately tangent to the work piece perimeter and non-overlapping duplex abrasive elements respectively being interposed between said work piece and one such backing face to constitute a pair of angularly spaced cutting zones through which to longitudinally advance the work piece.

2,365,641
ELECTRICAL CONTROL APPARATUS
Arthur L. Jerome, Edgewood, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application February 6, 1943, Serial No. 475,036
8 Claims. (Cl. 175—320)



1. In combination, a first and a second control conductor, means for at times supplying to said conductors energy of normal polarity in which the positive terminal of the source is connected to said first conductor and for at other times supplying to said conductors energy of reverse polarity in which the positive terminal of the source is connected to said second conductor, a polar relay having its winding connected across said conductors and having polar contacts which are moved to a normal or a reverse position according as energy of normal or reverse polarity is supplied to said conductors, an auxiliary relay having a winding having a first and a second terminal, means including a normal polar contact of said polar relay for connecting the winding of said auxiliary relay across said control wires in multiple with the winding of said polar relay with the first terminal of said relay winding connected to said first control wire and in series with an asymmetric unit poled to permit flow of energy from said first control wire to said second control wire, and means including a reverse polar contact of said polar relay for connecting the winding of said auxiliary relay across said control wires in multiple with the winding of said polar relay with the first terminal of said relay winding connected to said second control wire and in series with an asymmetric unit poled to permit flow of energy from said second control wire to said first control wire.

2,365,642
VARIABLE CIRCUIT CONTROLLER
Harry L. Lambert, Enfield, N. Y., assignor, by mesne assignments, to Walter J. Pickering, New York, N. Y.
Application June 26, 1943, Serial No. 492,396
14 Claims. (Cl. 200—80)

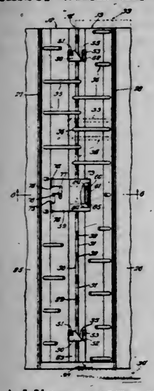


2. An adjustable circuit controller comprising a rotatable shaft, an element mounted on said shaft for rotation therewith, a gear mounted on said element for bodily rotation therewith and also for individual rotation about an axis parallel to but offset from the axis of said shaft, a control member disposed in approximate, axial alignment with said shaft and mounted for movement back and forth in a direction along said shaft axis extended, driving means operated by endwise movement of said member and in turn driving said gear, a mercury tube switch mounted on said gear for rotation therewith about the gear axis and also bodily with the gear about the shaft axis, said switch being responsive to centrifugal forces, due to its rotation with said element, for opening and closing an electric circuit therethrough at a selected speed of its said bodily rotation, and being adjustable by its rotation about said gear axis to open or close said circuit therethrough at different speeds, depending upon its rotary position with said gear about said gear axis.

2,365,643
LOOSE-LEAF BINDER
Alfred M. Martin, Park Ridge, Ill.
Original application May 31, 1940, Serial No. 338,063. Divided and this application October 2, 1941, Serial No. 413,344
19 Claims. (Cl. 129—17)

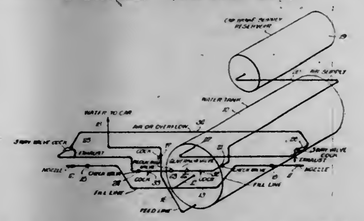
7. In a loose leaf binder, the combination with a two-part prong-holding device, of partially open locking means for the device including a member on one of the parts having engagement with another member on the other part, release means for said locking means, one of the members

being adapted to yield in the direction of pull of the other member when the release means is



actuated, and yielding means urging the members together.

2,365,644
WATER SUPPLY SYSTEM FOR PASSENGER CARS
Herbert J. Matje, West Allis, Wis.
Application September 8, 1943, Serial No. 501,558
3 Claims. (Cl. 222—394)

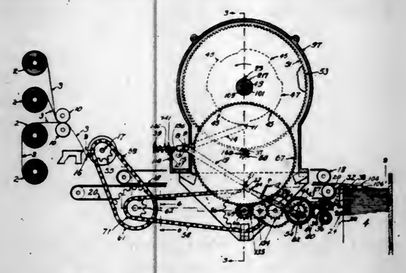


1. In a water supply system for a railway passenger car, a water tank, a filling inlet in each side of the car connected with the tank, a compressed air supply pipe connected to a source of air pressure and with an upper level of the tank, and two three-way valve cocks in the air supply pipe, one at each side of the car and each having two normally connected ports, one open to the source of air pressure and one open to the water tank, and having one normally closed exhaust port, whereby the water tank may be filled from either side of the car by positioning the valve cock on said side to close the air pressure port and open the tank port to the exhaust port and then filling through the inlet on said side until water escapes from said exhaust port.

2,365,645
COUNTING AND MARKING MACHINE
Louis Landaff Matthews, Westerly, R. I., assignor to Maxson Automatic Machinery Company, Westerly, R. I., a corporation of Rhode Island
Application January 3, 1941, Serial No. 373,010
88 Claims. (Cl. 93—93)

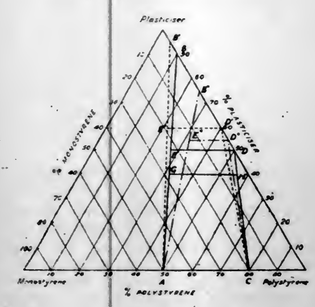
7. A machine of the class described having, in combination, a cutter, means for feeding one or more superposed webs to the cutter, means for actuating the cutter to cut the web or webs into a bundle of sheets at each operation of the cutter, means for feeding the bundles of sheets, normally ineffective means for indicating the feeding of a predetermined number of the sheets, a member operable through a cycle of operation once corresponding to a predetermined number of cuts by the cutter, a plurality of normally ineffective members operable with the first-named member and each corresponding to a different number of sheets in the bundle for rendering the indicating means effective, and means for rendering the plurality of members selectively effective.

12. A machine of the class described having, in combination, means for operating upon sheet



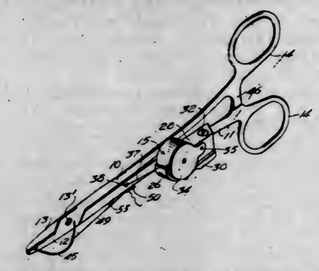
material, a rotatable gear, means for connecting the gear to the operating means to rotate the gear from the operating means, counting means, means for connecting the counting means to the gear to effect a count corresponding to each tooth of the gear, a second gear having a different number of teeth, means for disconnecting the first-named gear from the operating means, and means for connecting the second gear to the operating means to effect a count corresponding to each tooth of the second gear.

2,365,646
ELECTRIC INSULATING MATERIAL
Archibald Alan New, Stanley George Foord, and Dudley Robert Beckwith, London, England, assignors to International Standard Electric Corporation, New York, N. Y.
Application September 16, 1942, Serial No. 458,598
In Great Britain October 31, 1941
6 Claims. (Cl. 117—122)



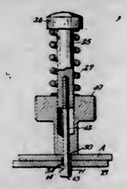
1. Fibrous tape impregnated with a mixture containing a polymerized aromatic vinyl hydrocarbon and a monomeric polymerizable aromatic hydrocarbon, said monomeric hydrocarbon being present in a proportion between about 10% and about 50% of said polymerized hydrocarbon, producing a sticky tape that hardens upon polymerization of said monomeric hydrocarbon.

2,365,647
SUTURING INSTRUMENT
Herbert H. Ogburn, Greensboro, N. C., assignor of one-half to Bobbie Gene Ogburn, one-fourth to Jean Ogburn, and one-fourth to Sally Ogburn, all of Greensboro, N. C.
Application December 20, 1943, Serial No. 514,946
10 Claims. (Cl. 128—340)



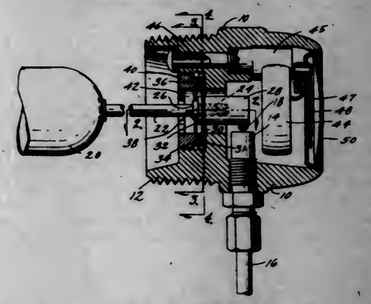
1. In combination, a pair of forceps having a pair of crossing arms each provided at one end with a jaw to receive a suture needle and at its other end with handle means, a suture bobbin rotatably supported on one of said arms, a brake mechanism finger operatable from the handle ends of said arms, and suture guiding means on one of said arms and one of said jaws for guiding a suture from the brake means to the needle eye.

2,365,648
REAMING DEVICE
Peter F. Rossmann, Snyder, N. Y., assignor to Irving Rossi, West Orange, N. Y.
Application December 13, 1941, Serial No. 422,814
6 Claims. (Cl. 77—73.5)



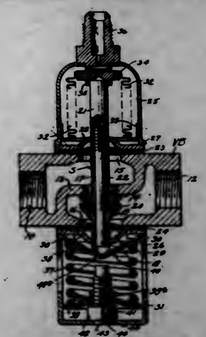
1. A tool for working the inaccessible edge of a perforation comprising a body having a hollow cylindrical extension fitting said perforation for positioning said body in predetermined relation to the piece to be worked, a rod-shaped tool member slidable within said extension and projectable and retractable with respect to said body, a working head at the outer end of said rod projecting laterally thereof beyond the circumference of said extension and slidable within a longitudinal slot of said extension, the projecting portion of said head adjacent to said extension having a cutting edge forming an angle greater than a right angle with the axis of said rod and terminating in a surface substantially radial and at right angle to said rod, and spring means interposed between the inner end of said member and said body to normally urge said member into the retracted position and to maintain said cutting edge in resilient predetermined pressure engagement with said perforation, whereby to enable working of said perforation by rotation of said body, said head and rod having a combined width to be readily insertable through said perforation in the projected position of said member.

2,365,649
SEALED TRUNNION STRUCTURE
Burton E. Shaw, Bristol, Ind., assignor to Penn Electric Switch Co., Goshen, Ind., a corporation of Iowa
Application June 9, 1942, Serial No. 446,347
2 Claims. (Cl. 286—29)



1. In a device of the character disclosed, a fitting having a bore therethrough, a control rod extending through said bore, means for sealing said control rod relative to said fitting comprising a diaphragm, means for sealing the periphery of said diaphragm relative to said fitting and the center of said diaphragm relative to said rod, a trunnion member on said rod having oppositely extending trunnions, a trunnion washer in said fitting and a pair of washers on opposite faces thereof, said trunnion washer having notches extending outwardly from the center hole and from face to face of said washer, said notches receiving said trunnions to confine them to movement in a predetermined space in conjunction with said pair of washers.

2,365,650
WATER VALVE
Burton E. Shaw, Bristol, and John J. Rothwell, Elkhart, Ind., assignors to Penn Electric Switch Co., Goshen, Ind., a corporation of Iowa
Application September 22, 1942, Serial No. 459,332
4 Claims. (Cl. 137—153)



1. In a valve structure comprising a valve body having an inlet, an outlet and a valve seat between said inlet and said outlet, said valve body having openings on opposite sides of said valve seat, an actuating stem projecting through both of said openings and through said seat, a valve plug carried by said actuating stem, said actuating stem including sleeves on opposite sides of said valve plug, a tie bolt through said sleeves and plug and an actuating rod into which said

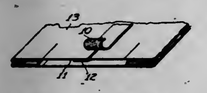
tie bolt is threaded, a diaphragm spanning each of said openings and surrounding said tie bolt, one of said diaphragms being interposed between one of said sleeves and said valve plug and the other of said diaphragms being interposed between the other of said sleeves and said actuating rod, a power element beyond one of said diaphragms and operatively connected with said actuating rod, a housing for said power element adjacent said valve body with the periphery of one of said diaphragms interposed therebetween, a return spring beyond the other of said diaphragms and tending to seat said valve plug against said valve seat, a housing for said return spring adjacent said valve body with the periphery of the other of said diaphragms interposed therebetween, and through-bolts extending through a flange of said power element housing, said diaphragms, said valve body, and a flange of said spring housing for retaining the parts just enumerated in assembled relation to each other.

2,365,651

SIFTPROOF BAG

James L. Shively, Camas, Wash., assignor to Crown Zellerbach Corporation, San Francisco, Calif., a corporation of Nevada

Application November 25, 1942, Serial No. 466,932
3 Claims. (Cl. 93—35)



1. In the making of a bag of the character described having a longitudinal seam and a bag bottom folded over on the seam, the improved method of forming the longitudinal seam and of preventing failure in the same without delaying the completion of the bag, said method comprising arranging the bag material so that the longitudinal edges overlap at the seam and applying a film of ordinary, slow-drying paste between the over-lapped edges, arranging a binder strip for application longitudinally along the seam, having said binder strip of sufficient width to provide for overlying the outside surface of the bag a substantial distance on both sides of said seam and having the underside of said binder strip covered with a tacky, quick-drying adhesive, positioning said binder strip on the surface of said bag material so that said strip will overlie the surface on both sides of said seam, pressing said binder strip firmly against said surface, and forming the bag bottom without waiting for said slower-drying film of paste between said overlapped edges of said bag material to "set," whereby said binder strip will cause said overlapping edges to act as a unitary structure during the folding of the bag bottom and prevent any movement of one edge with respect to the other pending the permanent "setting" of said slower-drying film of paste.

2,365,652

CELLULOSE MIXED ESTER MOLDING COMPOSITIONS

Raphael L. Stern, South River, N. J., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application November 26, 1941, Serial No. 420,506
9 Claims. (Cl. 106—181)

1. A cellulose mixed ester molding composition prepared by colloiding a cellulose mixed ester normally having a tendency to discolor on heating at molding temperatures with a plasticizer therefor and adding an acid having a dissociation constant within the range of about 4×10^{-2} to about 1×10^{-4} to the composition in a quantity in the range between about 0.002% and 0.1% by weight of the cellulose mixed ester.

2,365,653

SEPARATION OF SULPHONIC ACIDS

Pharez G. Waldo, Wenonah, and Paul M. Goodloe and Henry G. Berger, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

No Drawing. Application March 16, 1943, Serial No. 479,374
8 Claims. (Cl. 260—504)

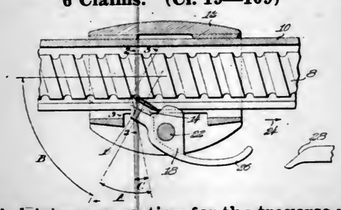
1. In a process of treating with successive quantities of sulphonating agent a viscous petroleum oil characterized by incomplete or slow separation of sulphonated material as acid jelly upon addition of small quantities of water to the treated oil at a treating step subsequent to the initial treatment with sulphonating agent, said process including a series of steps in each of which said oil is treated with sulphonating agent, a small quantity of water is added to the reaction mixture and an acid jelly is separated therefrom; the improvement which comprises adding a substantial quantity of acid jelly from a previous step in the process to the reaction mixture prior to separation of acid jelly in a step subsequent to the first step wherein separation of sulphonated material is slow or incomplete.

2,365,654

TRAVERSE MECHANISM FOR CARD STRIPPING APPARATUS

Charles E. White, Abington, Mass., assignor to Abington Textile Machinery Works, Boston, Mass., a trust of Massachusetts

Application September 10, 1943, Serial No. 501,758
6 Claims. (Cl. 19—109)



2. A driving connection for the traverse motion of card stripping apparatus comprising, in combination with the nozzle carriage, a roller pawl pivotally mounted on the carriage for rolling engagement with the traverse screw, said pawl being cup-shaped to provide a flaring rim portion, the axis of the roller pawl being inclined to the axis of the screw and the plane of rotation of the roller pawl being inclined relative to a tangent to the screw at the point of contact of screw and pawl.

2,365,655

GARMENT HANGER

Leonard A. Young, Detroit, Mich., and James D. Coney, Chicago, Ill., assignors to L. A. Young Spring and Wire Corporation, Detroit, Mich., a corporation of Michigan

Original application May 7, 1942, Serial No. 442,028. Divided and this application October 12, 1942, Serial No. 461,748
6 Claims. (Cl. 223—88)

1. In a garment hanger, the combination of a supporting yoke formed of a paper tube having downwardly diverging arms, a suspending hook at the apex of said arms, a tubular strut disposed with the upper sides of its ends against the undersides of the ends of the arms of the yoke, the ends of said tubular arms and strut being open, and U-shaped clips, the arms of which have angularly disposed return bent terminal portions



disposed with their arms and their return bent ends within the open ends of said arms and tubular strut and with their return bent portions in piercing retaining engagement therewith, the bights of said U-shaped clips acting to clamp the upper sides of said strut at the ends thereof against the undersides of said arms at the ends thereof.

2,365,656

PROTECTIVE HEADGEAR

George M. Lamsa, Philadelphia, Pa.

Application January 27, 1943, Serial No. 473,733
4 Claims. (Cl. 2—4)



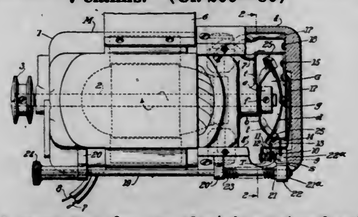
1. Non-metallic protective head-gear comprising insect-excluding material and an inflatable hollow framework upon which said material is arranged, whereby in use said framework is interposed between said material and the wearer, said framework being collapsible at any point thereof under the influence of pressure applied at such point and comprising portions adapted to extend across and in substantial contact with the wearer's forehead and chin, respectively, and side elements adapted to extend along and in substantial contact with the wearer's cheeks, respectively, said head-gear being foldable into compact form.

2,365,657

CENTRIFUGAL MOTOR SPEED GOVERNOR HAVING INERTIA EFFECT

James M. Naul, Fanwood, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey

Application September 2, 1943, Serial No. 500,900
7 claims. (Cl. 200—80)



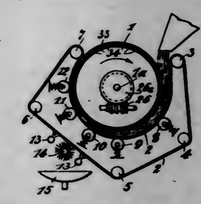
2. A governor for an electric motor having a rotary shaft, comprising a make-and-break switch controlling the flow of electric current to the motor, a supporting element carried by said shaft and having oppositely extending arms, each arm having a portion arranged oblique to the axis of the shaft, a deformable connecting element secured at its outer ends to the obliquely aranged portions of said arms, weights secured to said connecting element and arms at their points of connection, and a switch-actuating element carried by said connecting element substantially in line with the axis of said shaft, the outer ends of said arms being arranged to have circumferential and radial components of motion transversely of the axis of said shaft under inertia forces exerted by said weights when the speed of rotation of said shaft is varied, thereby to deform said connecting element to effect actuation of said switch.

2,365,658

APPARATUS FOR THE REMOVAL OF WATER, LIQUORS, OR OTHER LIQUIDS FROM SOAKED MASSES OF FIBROUS MATERIALS

Fritz Schumacher, Oberlenningen, Wurttemberg, Germany, assignor to American Voith Contact Co. Inc., New York, N. Y., a corporation of New York

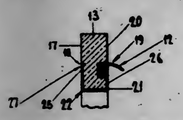
Application March 14, 1941, Serial No. 383,415
In Germany June 20, 1939
1 Claim. (Cl. 100—37)



In an apparatus for treating fibrous liquid material to remove liquid therefrom, the combination of a hollow rotatable cylindrical member with an axis horizontally disposed, having a series of annular grooves extending circumferentially about the periphery of said member and having a series of apertures in the bottom of said grooves opening in communication with the interior of said cylindrical member, rollers, one at each side of the cylinder and having their axes above the axis of the cylinder, an endless impervious belt member passing over said rollers and having an inner run portion partially surrounding the peripheral portion of said cylindrical member, said surrounding portion having its discharge part in contact with the cylindrical member, the remaining part spaced therefrom with its entrance part spaced the greatest distance from said cylindrical member the space between the cylindrical member and the belt member at the entrance and discharge ends being above the axis of said cylindrical member forming a hydrostatic head to enable pressure and gravity to act on the intervening fluid against said member, means for driving one of said members to move the other by frictional engagement between the contacting parts of said members, and a plurality of compression rollers acting on the surrounding belt portion for forcing the material between the members into the circumferential grooves with a gradually increasing pressure from the beginning of said inner run entrance part toward the discharge part thereof, whereby the fibrous materials of the fluid entering at the entrance part, are under hydrostatic pressure and are gradually compressed to expel the liquid therefrom into the apertures of

said annular grooves and into the interior of said cylindrical member through said apertures and then discharged at the discharge part separate from the liquid.

2,365,659
FRAME FOR HANDBAGS
Max H. Storch, Belle Harbor, N. Y., assignor to Harry E. Darr, Belle Harbor, N. Y.
Application January 24, 1944, Serial No. 519,558
4 Claims. (Cl. 150—29)



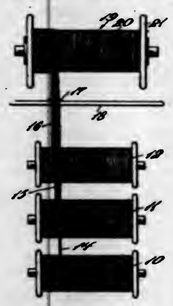
1. In a composite hand bag frame, a transparent plastic frame member of substantially solid rectangular cross-section, said plastic frame member having a groove in its inner face and a recess in its outer face, the upper walls defining said groove and said recess being in equally spaced relation from the lower face of said plastic frame member, a channel-shaped metallic frame member adapted to embrace a portion of said plastic frame member and having arms of equal length, one of said arms having an inwardly bent edge adapted to enter said groove, the other arm having an angularly extending side with an inwardly bent edge adapted to enter said recess, and a hand bag fabric having a reinforcing cord stitched to an edge thereof and forming an outlying edging, said edging being considerably thicker than said hand bag fabric and of a size to substantially fill said recess; whereby upon inserting said corded edging into said recess, pressure against said angular side in a direction facing said recess will cause the bent edge of said side to come into mechanically interlocked relation with said corded edge and prevent removal of said hand bag fabric from said composite frame, both bent edges of said metallic frame member extending in laterally interlocked unitary relation with said plastic frame member.

2,365,660
FLIER
Albert E. Winslow, Mystic, Conn., assignor to Atwood Machine Company, a corporation of Connecticut
Application August 21, 1943, Serial No. 499,574
3 Claims. (Cl. 57—116)

1. A flier comprising a symmetrically shaped body having a central opening therein and a surface adapted to be frictionally engaged by a portion carried by the strand package with which the flier is to be associated so as to have a frictional contact therewith, and a plurality of guide arms formed of wire and extending outwardly from the body and in equally spaced angular relation one from another, said arms bent to provide an outer bight with spaced portions with said arms being all of the same shape to maintain the flier in dynamic balance.



2,365,661
METHOD OF TWISTING WIRE
Albert E. Winslow, Mystic, Conn., assignor to Atwood Machine Company, a corporation of Connecticut
Application August 21, 1943, Serial No. 499,576
8 Claims. (Cl. 57—160)



1. The method of laying wire cable which comprises packaging in parallel relation on a single package a plurality of strands, rotating said package and drawing from said package the plurality of strands thereon from equally spaced points in the surface of the package and helically positioning said strands one about the other in a cable formation.

DESIGNS

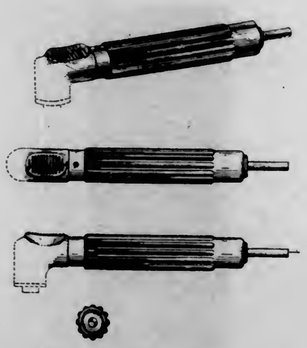
DECEMBER 19, 1944

139,741
DESIGN FOR A COMBINED CONTAINER PUNCHING AND LIQUID DISPENSING DEVICE OR SIMILAR ARTICLE
Herman A. Bartalott, Chicago, Ill.
Application August 7, 1944, Serial No. 114,757
Term of patent 3½ years
(Cl. D2—3)



The ornamental design for a combined container punching and liquid dispensing device or similar article, as shown.

139,742
DESIGN FOR AN ANGLE DRILL ATTACHMENT
Woodford J. Crump, Los Angeles, Calif., assignor to Aircraft Tools, Inc., Los Angeles, Calif.
Application January 22, 1944, Serial No. 112,292
Term of patent 7 years
(Cl. D54—14)



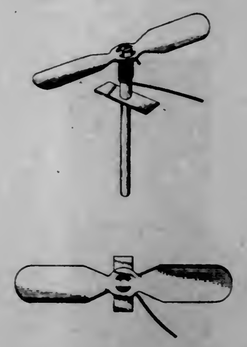
The ornamental design for an angle drill attachment, substantially as shown and described.

139,743
DESIGN FOR A TOY TOP
Clinton J. Davidson, San Diego, Calif.
Application September 11, 1944, Serial No. 115,265
Term of patent 14 years
(Cl. D34—15)



The ornamental design for a toy top, substantially as shown.

139,744
DESIGN FOR A TOY AIRPLANE
David H. Faber, Rockville Centre, N. Y.
Application September 22, 1944, Serial No. 115,399
Term of patent 3½ years
(Cl. D34—15)



The ornamental design for a toy airplane, as shown.

139,745
DESIGN FOR A HANDBAG FRAME
Rudolph Lobel, New York, N. Y.
Application October 23, 1944, Serial No. 115,918
Term of patent 7 years
(Cl. D87—2)



The ornamental design for a handbag frame, substantially as shown and described.

139,746
DESIGN FOR A BACK FOR BILLFOLD OR SIMILAR ARTICLE
Samuel J. Smallman, New York, N. Y.
Application October 3, 1944, Serial No. 115,571
Term of patent 7 years
(Cl. D87—3)



The ornamental design for a back for billfold or similar article, substantially as shown.

139,747
DESIGN FOR A BACK FOR BILLFOLD OR SIMILAR ARTICLE
Samuel J. Smallman, New York, N. Y.
Application October 3, 1944, Serial No. 115,573
Term of patent 7 years
(Cl. D87—3)



The ornamental design for a back for billfold or similar article, substantially as shown.

139,748
DESIGN FOR A BACK FOR BILLFOLD OR SIMILAR ARTICLE
Samuel J. Smallman, New York, N. Y.
Application October 3, 1944, Serial No. 115,574
Term of patent 7 years
(Cl. D87—3)



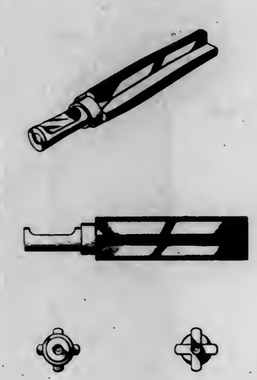
The ornamental design for a back for billfold or similar article, substantially as shown.

139,749
DESIGN FOR A BACK FOR BILLFOLD OR SIMILAR ARTICLE
Samuel J. Smallman, New York, N. Y.
Application October 3, 1944, Serial No. 115,575
Term of patent 7 years
(Cl. D87—3)



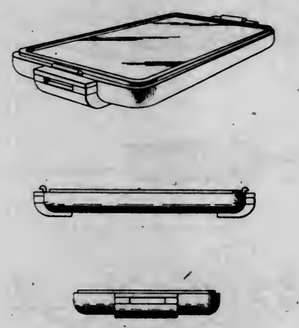
The ornamental design for a back for billfold or similar article, substantially as shown.

139,750
DESIGN FOR A GAUGE HANDLE
Robert E. Snyder, Pasadena, Calif.
Application August 23, 1944, Serial No. 114,982
Term of patent 14 years
(Cl. D52—1)



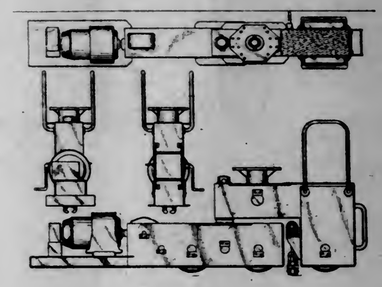
The ornamental design for a gauge handle, substantially as shown.

139,751
DESIGN FOR AN ELECTRIC HOT PLATE
Juan Springwell, Detroit, Mich., assignor to McCord Corporation, a corporation of Maine
Application October 25, 1943, Serial No. 111,499
Term of patent 14 years
(Cl. D81—26)



The ornamental design for an electric hot plate, substantially as shown.

139,752
DESIGN FOR A TRUCK FOR A TRAVELING CRANE
Robert J. Stoddard, William Niessen, and Charles Milnar, St. Paul, Minn., assignors to American Hoist & Derrick Co., St. Paul, Minn., a corporation of Delaware
Application June 26, 1944, Serial No. 114,198
Term of patent 14 years
(Cl. D41—1)



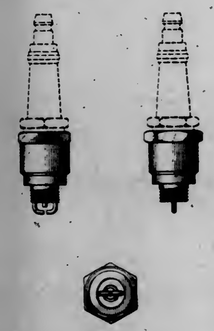
The ornamental design for a truck for a traveling crane, as shown and described.

139,753
DESIGN FOR A MEDICINE CABINET OR THE LIKE
Kenneth S. Adams, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application May 16, 1944, Serial No. 113,622
Term of patent 14 years
(Cl. D80—5)



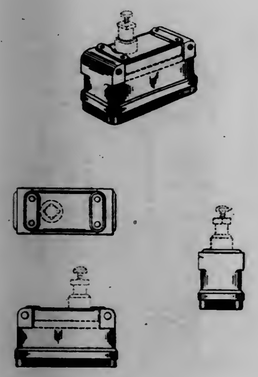
The ornamental design for a medicine cabinet or the like, as shown and described.

139,754
DESIGN FOR A SPARK PLUG
Charles R. Boyd, Chicago, Ill.
Application September 27, 1943, Serial No. 111,223
Term of patent 14 years
(Cl. D26—1)



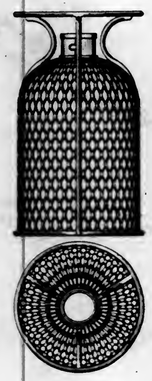
The ornamental design for a spark plug, as shown and described.

139,755
DESIGN FOR A SWITCH HOUSING
Phillip A. Celander, Freeport, Ill., assignor to First Industrial Corporation, Wilmington, Del., a corporation of Delaware
Application September 28, 1944, Serial No. 115,502
Term of patent 7 years
(Cl. D26—13)



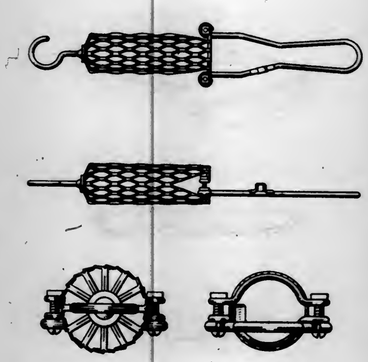
The ornamental design for a switch housing, substantially as shown and described.

139,756
DESIGN FOR A PORTABLE LAMP GUARD OR SIMILAR ARTICLE
Charles J. Hoffman, York, Pa.
Application April 18, 1944, Serial No. 113,290
Term of patent 14 years
(Cl. D48—16)



The ornamental design for a portable lamp guard or similar article, as shown.

139,757
DESIGN FOR A PORTABLE LAMP GUARD OR SIMILAR ARTICLE
Charles J. Hoffman, York, Pa.
Application May 16, 1944, Serial No. 113,608
Term of patent 14 years
(Cl. D48—16)



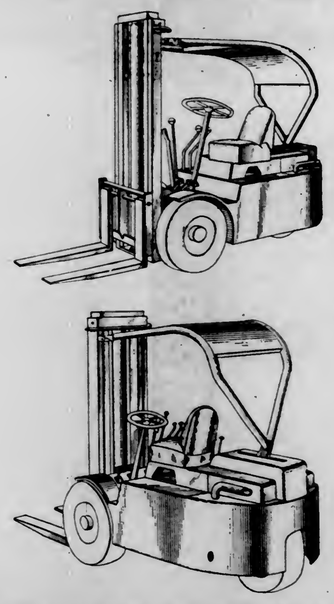
The ornamental design for a portable lamp guard or similar article, as shown.

139,758
DESIGN FOR A PORTABLE LAMP GUARD OR SIMILAR ARTICLE
Charles J. Hoffman, York, Pa.
Application May 17, 1944, Serial No. 113,631
Term of patent 14 years
(Cl. D48—16)



The ornamental design for a portable lamp guard or similar article, as shown.

139,759
DESIGN FOR A LIFT TRUCK
George V. Johnson, Portland, Oreg., assignor to Willamette Hyster Company, Portland, Oreg., a corporation of Oregon
Application July 17, 1944, Serial No. 114,429
Term of patent 14 years
(Cl. D14—3)



The ornamental design for a lift truck, as shown and described.

139,760
DESIGN FOR A BATHING SUIT
Tina Leser, New York, N. Y.
Application November 14, 1944, Serial No. 116,319
Term of patent 3½ years
(Cl. D3—17)



The ornamental design for a bathing suit, substantially as shown.

139,761
DESIGN FOR A COMBINED BOTTLE AND CAP
Monroe B. Lukather, Van Nuys, Calif.
Application September 28, 1944, Serial No. 115,497
Term of patent 14 years
(Cl. D58—8)



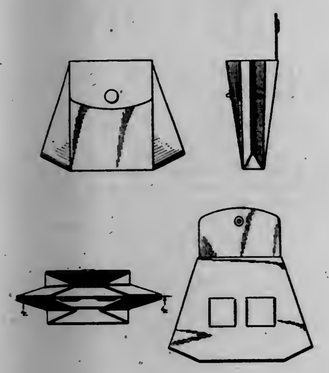
The ornamental design for a combined bottle and cap, as shown.

139,762
DESIGN FOR A CAP FOR MILK BOTTLES
Raymond Mudge, Detroit, Mich.
Application July 17, 1944, Serial No. 114,431
Term of patent 7 years
(Cl. D58—26)



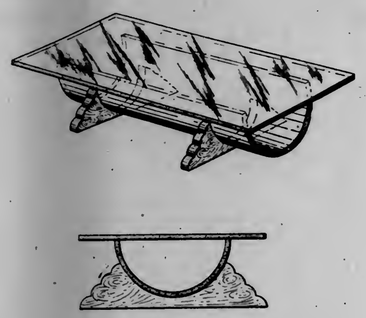
The ornamental design for a cap for milk bottles, as shown.

139,763
DESIGN FOR A COMBINED COIN AND KEY PURSE OR SIMILAR ARTICLE
Daniel J. Nash, New York, N. Y.
Application October 3, 1944, Serial No. 115,563
Term of patent 14 years
(Cl. D87—3)



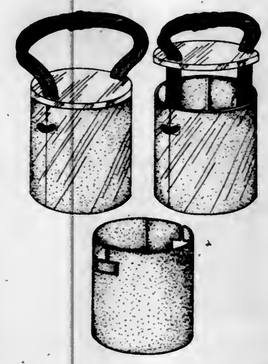
The ornamental design for a combined coin and key purse or similar article, as shown.

139,764
DESIGN FOR A TABLE OR SIMILAR ARTICLE
David Raucher, Brooklyn, N. Y.
Application September 23, 1944, Serial No. 115,433
Term of patent 3½ years
(Cl. D33—14)



The ornamental design for a table or similar article, substantially as shown.

139,765
DESIGN FOR A HANDBAG
Max Martin Warner, New York, N. Y.
Application October 24, 1944, Serial No. 115,937
Term of patent 3½ years
(Cl. D87—3)



The ornamental design for a handbag, substantially as shown and described.

139,766
DESIGN FOR A SCREEN PANEL OR THE LIKE
Rudy Bruner, New York, N. Y.
Application November 30, 1943, Serial No. 111,833
Term of patent 14 years
(Cl. D21—6)



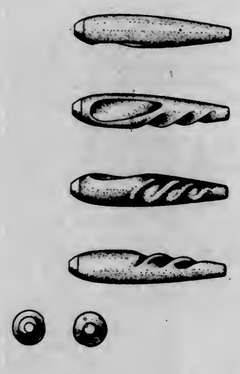
The ornamental design for a screen panel or the like, as shown.

139,767
DESIGN FOR A GREETING PIN
Clinton J. Davidson, San Diego, Calif.
Application May 1, 1944, Serial No. 113,426
Term of patent 14 years
(Cl. D45—19)



The ornamental design for a greeting pin, substantially as shown.

139,768
DESIGN FOR A KITCHEN UTENSIL HANDLE
Herman Ray Ellinwood, Burbank, Calif., assignor to Adel Precision Products Corp., a corporation of California
Application March 21, 1944, Serial No. 112,975
Term of patent 14 years
(Cl. D44—29)



The ornamental design for a kitchen utensil handle, substantially as shown.

139,769
DESIGN FOR A DRESS
Zelma Golden, New York, N. Y.
Application November 22, 1944, Serial No. 116,470
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

139,770
DESIGN FOR A DRESS
Zelma Golden, New York, N. Y.
Application November 22, 1944, Serial No. 116,471
Term of patent 3½ years
(Cl. D3—26)



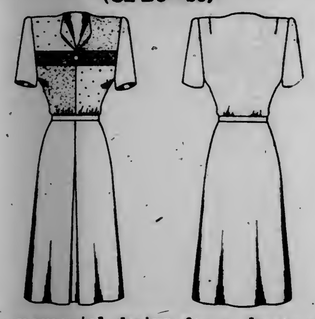
The ornamental design for a dress, substantially as shown.

139,771
DESIGN FOR A DRESS
Zelma Golden, New York, N. Y.
Application November 22, 1944, Serial No. 116,472
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

139,772
DESIGN FOR A DRESS
Zelma Golden, New York, N. Y.
Application November 22, 1944, Serial No. 116,473
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

139,773
DESIGN FOR A DRESS
Zelma Golden, New York, N. Y.
Application November 22, 1944, Serial No. 116,474
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

139,774
DESIGN FOR A DRESS
Zelma Golden, New York, N. Y.
Application November 22, 1944, Serial No. 116,475
Term of patent 3½ years
(Cl. D3—26)



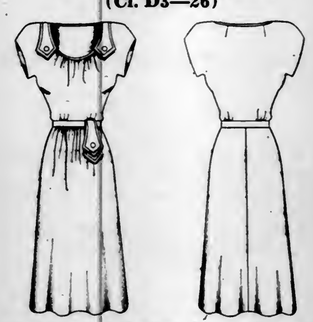
The ornamental design for a dress, substantially as shown.

139,775
DESIGN FOR A DRESS
Zelma Golden, New York, N. Y.
Application November 22, 1944, Serial No. 116,476
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

139,776
DESIGN FOR A DRESS
Zelma Golden, New York, N. Y.
Application November 22, 1944, Serial No. 116,477
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

139,777
DESIGN FOR A DRESS
Zelma Golden, New York, N. Y.
Application November 22, 1944, Serial No. 116,478
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

139,778
DESIGN FOR A DRESS
Zelma Golden, New York, N. Y.
Application November 22, 1944, Serial No. 116,479
Term of patent 3½ years
(Cl. D3—26)



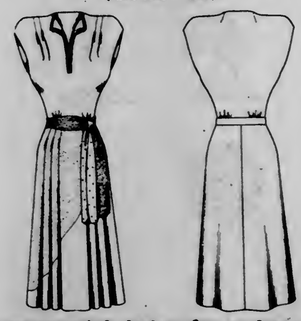
The ornamental design for a dress, substantially as shown.

139,779
DESIGN FOR A DRESS
Zelma Golden, New York, N. Y.
Application November 25, 1944, Serial No. 116,528
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

139,780
DESIGN FOR A DRESS
Zelma Golden, New York, N. Y.
Application November 25, 1944, Serial No. 116,529
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

139,781
DESIGN FOR A DRESS
Zelma Golden, New York, N. Y.
Application November 25, 1944, Serial No. 116,531
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

139,782
DESIGN FOR A DRESS
Eleanor K. Graham, New York, N. Y.
Application November 21, 1944, Serial No. 116,459
Term of patent 3½ years
(Cl. D3—26)



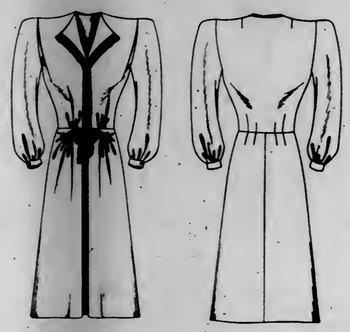
The ornamental design for a dress, substantially as shown.

139,783
DESIGN FOR A DRESS
Eleanor K. Graham, New York, N. Y.
Application November 21, 1944, Serial No. 116,460
Term of patent 3½ years
(Cl. D3—26)



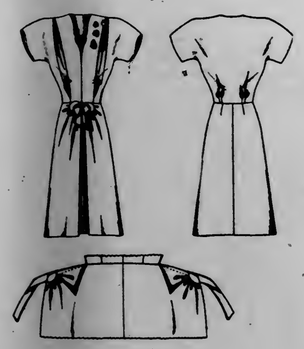
The ornamental design for a dress, substantially as shown.

139,784
DESIGN FOR A DRESS
Eleanor K. Graham, New York, N. Y.
Application November 21, 1944, Serial No. 116,461
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

139,785
DESIGN FOR A DRESS
Eleanor K. Graham, New York, N. Y.
Application November 21, 1944, Serial No. 116,462
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

139,786
DESIGN FOR A PICTURE FRAME
David Karp, New York, N. Y.
Application May 27, 1944, Serial No. 113,771
Term of patent 3½ years
(Cl. D29—20)



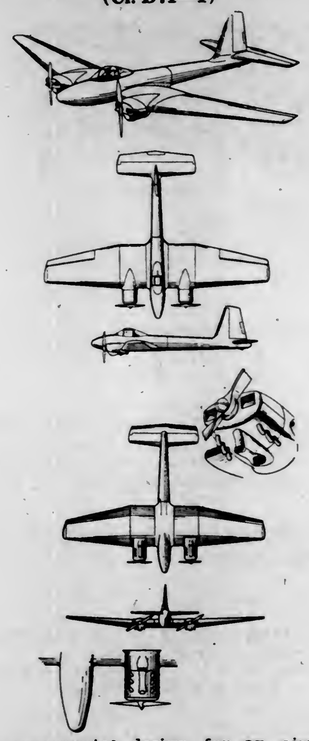
The ornamental design for a picture frame, as shown.

139,787
DESIGN FOR A STATUETTE OR SIMILAR ARTICLE
Paul G. Hausman, Lawrence, Kans.
Application October 7, 1944, Serial No. 115,677
Term of patent 14 years
(Cl. D29—23)



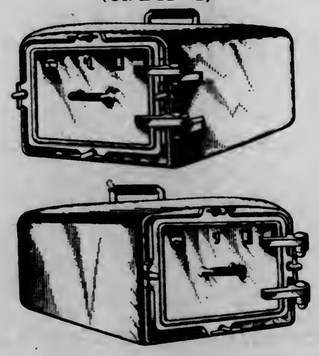
The ornamental design for a statuette or similar article, substantially as shown.

139,788
DESIGN FOR AN AIRPLANE
Walter A. Hite, Palos Verdes Estates, Richard E. Harvuot, Inglewood, and David H. Williams, Los Angeles, Calif., assignors to Interstate Aircraft and Engineering Corporation, a corporation of California
Application January 3, 1944, Serial No. 112,158
Term of patent 14 years
(Cl. D71—1)

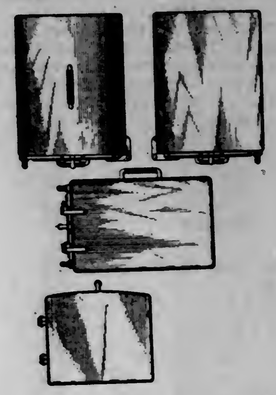


The ornamental design for an airplane, as shown.

139,789
DESIGN FOR A PRESSURE COOKER
Stanley W. A. Ingram, Los Angeles, Calif.
Application September 18, 1944, Serial No. 115,361
Term of patent 14 years
(Cl. D44—1)

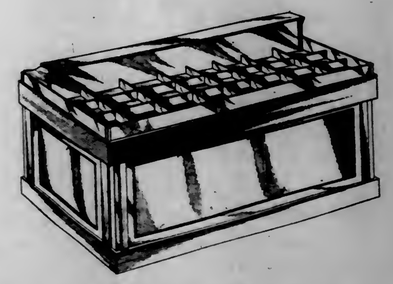


139,789—Continued



The ornamental design for a pressure cooker, substantially as shown.

139,790
DESIGN FOR A DISPLAY COUNTER
Rush H. Kress, New York, N. Y., assignor to S. H. Kress and Company, New York, N. Y., a corporation of New York
Application April 3, 1944, Serial No. 113,123
Term of patent 14 years
(Cl. D80—2)



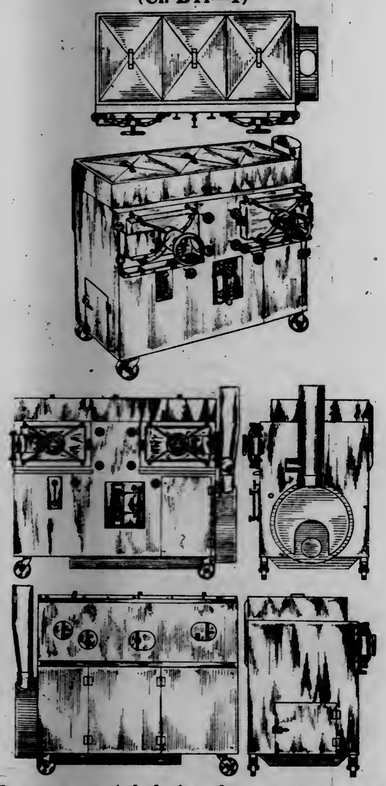
The ornamental design for a display counter, substantially as shown and described.

139,791
DESIGN FOR A KEY
Herbert Jennie Lasky, New York, N. Y.
Application September 27, 1944, Serial No. 115,474
Term of patent 7 years
(Cl. D50—4)



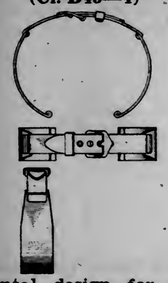
The ornamental design for a key, substantially as shown and described.

139,792
DESIGN FOR A PRESSURE COOKER CANNING UNIT
Eugene J. Le Claire, St. Paul, Minn., assignor to Harry F. Joesting, St. Paul, Minn.
Application September 20, 1944, Serial No. 115,370
Term of patent 7 years
(Cl. D44—1)



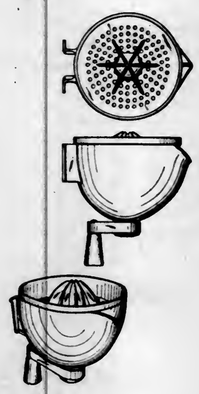
The ornamental design for a pressure cooker canning unit, as shown.

139,793
DESIGN FOR A BRACELET
William A. McHale, Glen Rock, N. J., assignor to Gemex Company, Union, N. J., a corporation of New Jersey
Application August 24, 1944, Serial No. 115,006
Term of patent 14 years
(Cl. D45—4)



The ornamental design for a bracelet, as shown.

139,794
DESIGN FOR A FRUIT JUICER
Jean Otis Reinecke, Oak Park, Ill., assignor to Dazey Corporation, St. Louis, Mo., a corporation of Missouri
Application September 7, 1944, Serial No. 115,213
Term of patent 3½ years
(Cl. D89—1)



The ornamental design for a fruit juicer, substantially as shown.

139,795
DESIGN FOR A DRILLING ATTACHMENT
George A. Terry, Buffalo, N. Y.
Application April 12, 1944, Serial No. 113,233
Term of patent 14 years
(Cl. D54—4)



The ornamental design for a drilling attachment, as shown.

139,796
DESIGN FOR A DRILLING ATTACHMENT
George A. Terry, Buffalo, N. Y.
Application April 14, 1944, Serial No. 113,250
Term of patent 14 years
(Cl. D54—4)



The ornamental design for a drilling attachment, as shown.

139,797
DESIGN FOR A DRILLING ATTACHMENT
George A. Terry, Buffalo, N. Y.
Application April 17, 1944, Serial No. 113,281
Term of patent 14 years
(Cl. D54—4)



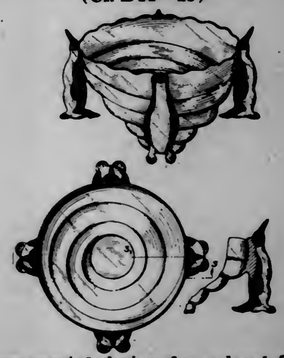
The ornamental design for a drilling attachment, as shown.

139,798
DESIGN FOR A DISPLAY PACKAGE FOR STATIONERY OR THE LIKE
Evelyn von Hartmann, Westwood, N. J., assignor to Novelart Manufacturing Company, Long Island City, N. Y., a firm composed of Milton Kahn and Morris Berg
Application March 22, 1944, Serial No. 113,006
Term of patent 3½ years
(Cl. D80—5)



The ornamental design for a display package for stationery or the like, substantially as shown.

139,799
DESIGN FOR A BOWL FOR FLOWERS OR THE LIKE
Nancy L. Wade, Los Angeles, Calif.
Application May 22, 1944, Serial No. 113,713
Term of patent 14 years
(Cl. D44—15)



The ornamental design for a bowl for flowers or the like, as shown and described.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Accurate Screw Company, Chicago, Ill. Screw machine products. Serial No. 434,138; Dec. 19. Class 13.

Achorn Steel Company, Boston, Mass. Iron and steel. Serial No. 465,221; Dec. 19. Class 14.

Acme Chemical Company, Milwaukee, Wis. Toilet soap. Serial No. 474,741; Dec. 19. Class 4.

Acme Visible Records, Inc., Chicago, Ill. Blank forms. Serial No. 473,655; Dec. 19. Class 37.

Alta Vineyards Company, Fresno, Calif. Wines. Serial No. 474,617; Dec. 19. Class 47.

Amanda-L Co., Chicago, Ill. Ointment. Serial No. 470,903; Dec. 19. Class 6.

American Machinery Corporation, Orlando, Fla. Machinery and equipment. Serial No. 458,699; Dec. 19. Class 23.

American Stamping Co., Battle Creek, Mich. Grease cups for machinery bearings. Serial No. 473,629; Dec. 19. Class 23.

Amling's of California, Inc., San Francisco, Calif. Natural flowers and plants. Serial No. 473,877; Dec. 19. Class 1.

Army Times Publishing Company, Washington, D. C. Question and answer column. Serial No. 475,410; Dec. 19. Class 38.

Arrow-Hart & Hageman Electric Co., The, Hartford, Conn. Electric circuit makers and breakers, switches, etc. Serial No. 475,182; Dec. 19. Class 21.

Automatic Products Company, Milwaukee, Wis. Garden tractors and implements and attachments. Serial No. 470,401; Dec. 19. Class 23.

Barlow-Maney Laboratories, Cedar Rapids, Iowa. Wafer used in correcting conditions established due to deficiency of calcium, phosphorus, and vitamin D. Serial No. 473,632; Dec. 19. Class 6.

Baumgold, Joseph, doing business as Diamond Tool Research Co., New York, N. Y. Precision diamond tools. Serial No. 470,293; Dec. 19. Class 23.

Becker, John A., doing business as Gumputtie Laboratories, Chicago, Ill., assignor to Gumputtie Laboratories. Putty. Serial No. 473,761; Dec. 19. Class 16.

Blackstone Coin Packer Company. (See Blackstone, Selwyn R.)

Blackstone, Selwyn R., doing business as Blackstone Coin Packer Company, Madison, Wis. Outboard motor stands. Serial No. 473,656; Dec. 19. Class 23.

Bonus Products Company, St. Louis, Mo. Non-alcoholic lithiated sparkling white grape drink. Serial No. 471,582; Dec. 19. Class 45.

Bristol-Myers Company, New York, N. Y. Vitamin tablets. Serial No. 473,769; Dec. 19. Class 6.

Brown & Bigelow, St. Paul, Minn. Blotters, pencils, and memorandum pads. Serial No. 468,553; Dec. 19. Class 37.

Camloc Fastener Corporation, New York, N. Y. Hand and machine tools. Serial No. 474,222; Dec. 19. Class 23.

Cavendish Pharmaceutical Corp., New York, N. Y. Medicinal preparation. Serial No. 474,191; Dec. 19. Class 6.

Charles of the Ritz, Inc., New York, N. Y. Toilet soaps. Serial No. 474,475; Dec. 19. Class 4.

Charles of the Ritz, Inc., New York, N. Y. Soap. Serial No. 474,722; Dec. 19. Class 4.

Cinch Beverage Co. (See Schroeder, Ira H.)

Cleveland Worm & Gear Company, The, Cleveland, Ohio. Worm gear reduction units. Serial 474,111; Dec. 19. Class 23.

Coberly-West Company, Shafter, Calif. Fresh potatoes. Serial No. 460,362; Dec. 19. Class 46.

Collins, Ashton B., doing business as Reddy Kilowatt, Short Hills, N. J., and New York, N. Y. Magazine column. Serial No. 472,182; Dec. 19. Class 38.

Crafts, Leslie C., Wellesley, Mass. Candy and chewing gum. Serial No. 473,088; Dec. 19. Class 46.

D'Arcy, Cora M., doing business as D'Arcy's, Indianapolis, Ind. Baby soap. Serial No. 460,791; Dec. 19. Class 4.

D'Arcy's. (See D'Arcy, Cora M.)

Diamond Tool Research Co. (See Baumgold, Joseph.)

Dunaway, H. D., doing business as H. D. Dunaway Company, assignor to Youngblood Enterprises, Ltd., Atlanta, Ga. Especially prepared filter powder. Serial No. 470,260; Dec. 19. Class 4.

Dunaway, H. D., Company. (See Dunaway, H. D.)

Eagle-Picher Lead Company, The, Cincinnati, Ohio. Insulating covering. Serial No. 472,736; Dec. 19. Class 12.

Escalon Packers, Inc., Escalon, Calif. Canned fruits. Serial No. 474,277; Dec. 19. Class 46.

Esquire, Inc., Chicago, Ill. Phonograph records. Serial No. 474,484; Dec. 19. Class 36.

Ethyl Corporation, New York, N. Y. Liquid detergent cleaning preparation. Serial No. 473,693; Dec. 19. Class 4.

Fairbanks, Morse & Co., Chicago, Ill. Weighing machines, scales, balances and parts thereof. Serial No. 473,730; Dec. 19. Class 26.

Falge Engineering Service, Bethesda, Md. All purpose electric signaling, traffic, flash and spot lights. Serial No. 474,376; Dec. 19. Class 21.

Federal Electric Company, Inc., Chicago, Ill. Electric sockets, electric bushings, electric sign, etc. Serial No. 473,849; Dec. 19. Class 21.

Fidelity Machine Company, Philadelphia, Pa. Sound and moisture absorbing and cold retaining fabric covering. Serial No. 470,442; Dec. 19. Class 50.

Freedom Oil Company, The, Freedom, Pa. Lubricating oils and greases. Serial Nos. 474,236–7; Dec. 19. Class 15.

General Refractories Company, Philadelphia, Pa. Standard refractory brick. Serial No. 466,882; Dec. 19. Class 12.

General Refractories Company, Philadelphia, Pa. Cement. Serial No. 466,885; Dec. 19. Class 12.

Goldenstein, Murray, doing business as Imperial Drug Co., New York, N. Y. Preparation for relieving itch and irritation of the skin and scalp. Serial No. 473,817; Dec. 19. Class 6.

Goodyear Tire & Rubber Company, The, Akron, Ohio. Electrically conducting heating elements. Serial No. 471,797; Dec. 19. Class 21.

Granda, C., y Cia. S. L., Habana, Cuba. Cigars. Serial No. 471,740; Dec. 19. Class 17.

Grant Laboratories. (See Grant, Philip J.)

Grant, Philip J., doing business as Grant Laboratories, Oakland, Calif. Metal ant control containers sold filled with ant poison. Serial No. 473,734; Dec. 19. Class 6.

Great Lakes Foundry Sand Company, Detroit, Mich. Foundry sand. Serial No. 473,735; Dec. 19. Class 1.

Greenbaum, Henry, New York, N. Y. Textile fabric. Serial No. 473,025; Dec. 19. Class 42.

Gumputtie Laboratories. (See Becker, John A., assignor.)

Harman, Hal W., doing business as Harman Process Company, El Paso, Tex. Metallic locking fastening slugs. Serial No. 464,392; Dec. 19. Class 14.

Harman Process Company. (See Harman, Hal W.)

Hines Flask Company, The, Lakewood, Ohio. Foundry jackets. Serial No. 470,976; Dec. 19. Class 23.

Hospital Purchasing Service. (See Schwarzman, Harry P.)

Ideal Roller & Manufacturing Company, Chicago, Ill. Printing press rollers. Serial No. 463,518; Dec. 19. Class 23.

Imperial Drug Co. (See Goldenstein, Murray.)

Industrial Tool & Die Works, Inc., Minneapolis, Minn. Electric flatirons. Serial No. 475,151; Dec. 19. Class 21.

Isaacs, Joel, Shirt Co., New York, N. Y. Men's outer shirts. Serial No. 474,667; Dec. 19. Class 39.

Jiffy-Way Products, Minneapolis, Minn. Egg graders and egg candlers. Serial No. 475,253; Dec. 19. Class 26.

Johnson, J. E., & Co., Chicago, Ill. Polishing and cleaning compound. Serial No. 473,891; Dec. 19. Class 16.

Kanders-Steuber Co., Chicago, Ill. New and unused textile clippings. Serial No. 474,171; Dec. 19. Class 1.

Kirchner & Renich, Minneapolis, Minn. Mountings, rings, diamonds, etc. Serial No. 473,989; Dec. 19. Class 28.

Lady Esther, Ltd., Chicago, Ill. Face powders, face creams, rouge and lipstick. Serial No. 474,415; Dec. 19. Class 6.

Lambert Pharmacal Company, Wilmington, Del., and St. Louis, Mo. Lotion to be used before shaving. Serial No. 472,426; Dec. 19. Class 4.

Largman, Joseph, Philadelphia, Pa. Non-alcoholic, noncereal, maltless beverages, and syrups and extracts. Serial No. 475,393; Dec. 19. Class 45.

Madera Bonded Wine & Liquor Company. (See Steinbach, Samuel.)

Marathon Company, Attleboro, Mass. Bib holders, baby pins, chains, etc. Serial No. 473,949; Dec. 19. Class 28.

Marco, Clarence, Des Moines, Iowa. Non-alcoholic, noncereal, maltless beverages and extracts. Serial No. 469,998; Dec. 19. Class 48.

Mars, Incorporated, Chicago, Ill. Candy bars. Serial No. 475,624; Dec. 19. Class 46.

Masury, John W., & Son, Inc., Baltimore, Md. Paints paint enamels, Japans, etc. Serial No. 474,458; Dec. 19. Class 16.

McGraw-Hill Company of California, San Francisco, Calif. Industrial and trade magazines. Serial No. 464,346; Dec. 19. Class 38.

McKesson & Robbins, Incorporated, New York, N. Y. Baby powder, also mineral oil. Serial No. 473,474; Dec. 19. Class 6.

McNaught Syndicate, Inc., The, New York, N. Y. Cartoon. Serial No. 473,324; Dec. 19. Class 38.

Mr. Mixer Co., Inc., New York, N. Y. Non-alcoholic, maltless fruit juices and fruit concentrates. Serial No. 470,081; Dec. 19. Class 45.

Modern Plastics, Inc., New York, N. Y. Periodical publication. Serial No. 467,571; Dec. 19. Class 38.

Morganite Brush Company, Inc., Long Island City, N. Y. House organ. Serial No. 475,439; Dec. 19. Class 38.
Mt. Vernon Mills, New York, N. Y. Infants' underwear. Serial No. 474,811; Dec. 19. Class 39.
Northwest Chemical Company. (See Slavin, Henry.)
Nufin Company, The. (See Roth, Roy E.)
Oakite Products, Inc., New York, N. Y. Cleaning preparation. Serial No. 473,576; Dec. 19. Class 4.
Odora Company, Inc., New York, N. Y. Moth proof liquid. Serial No. 474,089; Dec. 19. Class 6.
Philco Corporation, Philadelphia, Pa. Decalcomanias. Serial No. 475,457; Dec. 19. Class 38.
Picken, Henry Moore, Bronxville, N. Y. Series of children's books. Serial No. 475,458; Dec. 19. Class 38.
Plastikpli Laboratories, Inc., Chicago, Ill. Ready-mixed paint, varnish, paint enamel and lacquer. Serial No. 473,956; Dec. 19. Class 16.
Quaker Chemical Products Corporation, Conshohocken, Pa. Water softener. Serial No. 473,333; Dec. 19. Class 6.
Reddy Kilowatt. (See Collins, Ashton B.)
Republic Pictures Corporation, New York, N. Y. Motion pictures and motion picture films, etc. Serial No. 474,209; Dec. 19. Class 26.
Revlon Products Corporation, New York, N. Y. Nail enamel, lipstick and face powder. Serial No. 463,980; Dec. 19. Class 6.
Rickenback, Bernard, New York, N. Y. Pure apple juice. Serial No. 474,962; Dec. 19. Class 45.
Rigid-Tex Corporation, Buffalo, N. Y. Structurally reinforced ferrous and non-ferrous metal sheets. Serial No. 474,552; Dec. 19. Class 14.
Rockmont Envelope Company, Denver, Colo. Envelopes and boxes and packets of writing paper and envelope. Serial No. 474,095; Dec. 19. Class 37.
Roman Cleanser Company, Detroit, Mich. Liquid cleaner for windows, mirrors, picture glass, etc. Serial No. 474,709; Dec. 19. Class 4.
Roth, Roy E., doing business as The Nufin Company, Lancaster, Pa. Cleaner and polish. Serial No. 471,285; Dec. 19. Class 16.
Scheri & Roth, Inc., Cleveland, Ohio. Violin, viola, cello, etc. Serial No. 475,338; Dec. 19. Class 36.
Schneierson, I., & Sons, Inc., New York, N. Y. Ladies' chemises, pajamas, etc., and children's pajamas, etc. Serial No. 474,930; Dec. 19. Class 39.
Schroeder, Ira H., doing business as Cinch Beverage Co., Kansas City, Mo., and Temple, Tex. Syrup and extracts, and beverages. Serial No. 475,339; Dec. 19. Class 45.
Schwarze Electric Co., Chicago, Ill., and Adrian, Mich. Visible and audible electric signals, indicators and alarms. Serial No. 469,062; Dec. 19. Class 21.
Schwartzman, Harry P., doing business as Hospital Purchasing Service, New York, N. Y. Tea. Serial No. 472,261; Dec. 19. Class 46.
Seat-Cover Corporation, The, Cleveland, Ohio. Automobile seat covers. Serial No. 474,679; Dec. 19. Class 19.
Simon, Franklin, & Co., Inc., New York, N. Y. Women's and misses' housecoats and dressing gowns. Serial No. 467,190; Dec. 19. Class 39.
Sinaco Company, Inc., New York, N. Y. China tableware. Serial No. 469,791; Dec. 19. Class 30.
Slavin, Harry, doing business as Northwest Chemical Company, New York, N. Y. Soap powders, soapless cleaners, cleansers for mechanical dishwashing, etc. Serial No. 471,716; Dec. 19. Class 4.
Smith, L. C., & Corona Typewriters, Inc., Syracuse, N. Y. Typewriting machines. Serial No. 468,739; Dec. 19. Class 23.
Smith, L. C., & Corona Typewriters, Inc., Syracuse, N. Y. Typewriting machines. Serial No. 469,705; Dec. 19. Class 23.
Solar Aircraft Company, San Diego, Calif. Lock nut plates. Serial No. 473,346; Dec. 19. Class 13.
Spano, Edward D., Inc., New York, N. Y. Printed and lithographed labels. Serial No. 474,213; Dec. 19. Class 38.
Steinbach, Samuel, doing business as Madera Bonded Wine & Liquor Company, Baltimore, Md. Brandies, cordials, eggnogs, etc. Serial No. 472,469; Dec. 19. Class 49.
Supro Products Company, New York, N. Y. Flavoring extracts. Serial No. 471,921; Dec. 19. Class 46.
Synchronized Systems Company, Detroit, Mich. Pressure responsive control units. Serial No. 470,158; Dec. 19. Class 34.
Tayton Company, The, Chicago, Ill. Deodorant cream. Serial No. 474,011; Dec. 19. Class 6.
Technical Coatings, Inc., Los Angeles, Calif. Synthetic rubber gaskets. Serial No. 469,024; Dec. 19. Class 35.
Trio Chemical Works, Brooklyn, N. Y. Pine oil compound for house cleaning. Serial No. 473,133; Dec. 19. Class 4.
Turco Products, Inc., Los Angeles, Calif. Chemical compounds. Serial No. 471,497; Dec. 19. Class 6.
Turco Products, Inc., Los Angeles, Calif. Machines for removing carbon, sludge, and other foreign matter from metallic parts, or the like. Serial No. 471,500; Dec. 19. Class 23.
United Aircraft Corporation, East Hartford, Conn. Aircraft engines, parts and attachments therefor. Serial No. 472,723; Dec. 19. Class 23.
Victor Products Corporation, Chicago, Ill. Threaded bolts and screws. Serial No. 471,435; Dec. 19. Class 13.
Virginia-Lincoln Corporation, Marion, Va. Aircraft structural parts. Serial No. 467,989; Dec. 19. Class 19.
Vitafreez, Inc., Memphis, Tenn. House organs. Serial No. 464,012; Dec. 19. Class 38.
Vita-Var Corporation, Newark, N. J. Synthetic resin. Serial No. 474,555; Dec. 19. Class 1.
Vita-Var Corporation, Newark, N. J. Ready-mixed paint, paint enamel, and varnish. Serial No. 474,558; Dec. 19. Class 16.
W B B Corporation, Philadelphia, Pa. Dry chemical compositions for use as addition agents. Serial No. 473,401; Dec. 19. Class 6.
Warwick Chemical Company, West Warwick, R. I. Finishing compounds for textiles. Serial No. 473,520; Dec. 19. Class 6.
Waterbury Companies, Incorporated, Waterbury, Conn. Electric goods. Serial No. 470,093; Dec. 19. Class 21.
White, David, Company, The, Milwaukee, Wis. Stereoscopic cameras, stereoscopic projectors, stereoscopes, etc. Serial No. 469,069; Dec. 19. Class 26.
Women's Wear Company, New York, N. Y. News column. Serial No. 475,408; Dec. 19. Class 38.
Wyler, Alfred, New York, N. Y. Watches, cased and uncased. Serial No. 471,280; Dec. 19. Class 27.
Youngblood Enterprise, Ltd. (See Dunaway, H. D., assignor.)
Ziv Steel & Wire Co., Chicago, Ill. Steel bars for tool products. Serial No. 471,505; Dec. 19. Class 14.

LIST OF REGISTRANTS OF TRADE-MARKS

African & Eastern Trading Co., Inc., New York, N. Y. Wheat flour. 183,355; renewed Apr. 29, 1944.
African & Eastern Trading Co., Inc., New York, N. Y. Wheat flour. 189,031; renewed Sept. 9, 1944.
Alaska Pacific Salmon Company. (See Stuart Packing Corporation, assignor.)
Allen, Benjamin K., doing business as National Fruit Products, Memphis, Tenn. Non-alcoholic, maltless, carbonated beverages and syrups and flavors for making the same. 410,831; Dec. 19; Serial No. 472,025; published Oct. 10, 1944. Class 45.
Alligator Company, The, St. Louis, Mo. Men's jackets. 410,791; Dec. 19; Serial No. 470,645; published Aug. 1, 1944. Class 39.
American Burtonizing Company and Wallerstein Laboratories, assignor to Wallerstein Company, Inc., New York, N. Y. Sugar sirups. 197,917; renewed Apr. 28, 1945.
American Can Company, New York, N. Y. Cans. 197,382; renewed Apr. 14, 1945.
American Chain Ladder Co., Inc. (See Bryant, Frederic J., assignor.)
American Chain Ladder Company. (See Bryant, Frederic J.)
American Steel and Wire Company of New Jersey, The, Cleveland, Ohio. Monthly magazines. 410,801; Dec. 19; Serial No. 472,923; published Oct. 10, 1944. Class 38.
American Thermos Bottle Company, The. (See Icy-Hot Bottle Company, The, assignor.)
Arlington Paint & Varnish Company. (See Harris, J. E., Company, The.)
Asche-Bandor Corporation. (See de Bruyn, Marius.)
Atlanta Paper Company, Atlanta, Ga. Paper and paper bags. 26,368; re-renewed Apr. 9, 1945.
Atlas Imperial Diesel Engine Co., Oakland, Calif. Diesel engines and parts thereof. 410,745; Dec. 19; Serial No. 457,411; published Mar. 2, 1943. Class 23.
Atlas Powder Company. (See Celluloid Zapon Company, assignor.)
Babani, Maurice, New York, N. Y. Perfumes, toilet waters, eau de cologne, etc. 410,812; Dec. 19; Serial No. 471,177; published Oct. 3, 1944. Class 6.
Barton, Jackson W., Rosslyn, Va. Publication for those interested in boats of all kinds. 410,786; Dec. 19; Serial No. 470,065; published Oct. 3, 1944. Class 38.
Bates, C. J., & Son, Chester, Conn. Sewing kits and sewing sets. 410,758; Dec. 19; Serial No. 466,425; published Oct. 10, 1944. Class 50.
Bates Manufacturing Company, Lewiston, Maine. Bedspreads. 195,664; renewed Mar. 3, 1945.
Bathrick Inc., Los Angeles, Calif. Laxative. 410,841; Dec. 19; Serial No. 472,229; published Oct. 3, 1944. Class 6.
Belco Chem. Co. (See Cohen, Williams B.)
Bermond, Gilmore, & Co., Inc., New York, N. Y. Pure linens in the piece. 195,400; renewed Feb. 24, 1945.
Bernheim Distilling Company, Louisville, Ky. Whiskey. 410,806; Dec. 19; Serial No. 473,052; published Oct. 10, 1944. Class 49.

Billboard Publishing Company, The, Cincinnati, Ohio. Weekly publication. 197,993; renewed Apr. 28, 1945.
Blue Plate Foods, Inc., New Orleans, La. Sauce for sea food and cold cuts. 410,808; Dec. 19; Serial No. 473,529; published Oct. 10, 1944. Class 46.
Bouchard, Mack, & Son, assignor to Bouchard Potato Co., Inc., Caribou, Maine. Table potatoes. 197,934; renewed Apr. 28, 1945.
Bouchard Potato Co., Inc. (See Bouchard, Mack, & Son, assignor.)
Bridgeton Hosiery Mills, Bridgeton, N. J. Hosiery. 410,756; Dec. 19; Serial No. 466,035; published Sept. 26, 1944. Class 39.
Brown-Forman Distillers Corporation, Louisville, Ky. Rum. 410,766; Dec. 19; Serial No. 468,277; published May 16, 1944. Class 49.
Brown, Lillie B., Bellwood, Ala. Laxative preparation. 410,839; Dec. 19; Serial No. 472,178; published Oct. 3, 1944. Class 6.
Bryant, Frederic J., doing business as American Chain Ladder Company, assignor to American Chain Ladder Co., Inc., New York, N. Y. Chain ladders. 195,609; renewed Feb. 24, 1945.
Budd, George W. (See Budd, George Walker.)
Budd, George Walker, Wilkes-Barre, to George W. Budd, doing business as Budd's Confectionery, Kingston, Pa. Confectionery. 197,869; renewed Apr. 28, 1945.
Budd's Confectionery. (See Budd, George W.)
Buffalo Forge Company, Buffalo, N. Y. Cane mills. 197,622; renewed Apr. 21, 1945.
Burrell Technical Supply Company, Pittsburgh, Pa. Gas analysis apparatus. 410,770–1; Dec. 19; Serial Nos. 468,913–14; published Oct. 3, 1944. Class 26.
California Laboratories Inc., Los Angeles, assignor, by mesne assignments, to Citrus Juice & Flavor Co. Ltd., Santa Ana, Calif. Flavoring extracts, marmalades, jams, etc. 194,605; renewed Feb. 3, 1945.
Cameron, Wm., & Co. Inc., Waco, Tex. Combined built in ironing boards and cabinets, etc. 410,746; Dec. 19; Serial No. 457,738; published Oct. 10, 1944. Class 24.
Carlay Company, The. (See Futter, Carl A.)
Carr Fastener Company, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Lubricants. 190,901; renewed Oct. 28, 1944.
Carson Pirie Scott & Company, Chicago, Ill. Men's flannel suits and fleece overcoats. 410,837; Dec. 19; Serial No. 472,094; published Sept. 26, 1944. Class 39.
Celluloid Zapon Company, now by change of name The Zapon Company, assignor to Atlas Powder Company, Wilmington, Del. Ready-mixed paints and enamels, paint colors, etc. 197,335; renewed Apr. 14, 1945.
Century Metalcraft Corporation, Chicago, Ill. Glass ovenware. 410,772; Dec. 19; Serial No. 469,116; published Oct. 10, 1944. Class 33.
Cerebos, Limited, Greatham and London, to Cerebos, Limited, London, England. Salt. 194,817; renewed Feb. 10, 1945.
Champion Sprayer Company, Detroit, Mich. Garden sprayers. 410,761; Dec. 19; Serial No. 466,829; published Oct. 10, 1944. Class 23.
Chiksol Products Company. (See Lewis, J. H., Inc.)
Chula Vista Citrus Association, The, Chula Vista, Calif. Fresh citrus fruits. 410,852; Dec. 19. Class 46.
Church, C. A., doing business as Rio Grande Produce Co., Salinas, Calif. Fresh vegetables. 410,876; Dec. 19. Class 46.
Citrus Juice & Flavor Co. Ltd. (See California Laboratories Inc., assignor.)
Clayton Manufacturing Company, The, Bristol, Conn. Scissors and shears. 410,759; Dec. 19; Serial No. 466,605; published Oct. 3, 1944. Class 23.
Cobana Products Company. (See Zbikowski, Wladyslaw S.)
Cohen, William B., doing business as Belco Chem. Co., St. Paul, Minn. Perfume. 197,999; renewed Apr. 28, 1945.
Colorthru Chemicals. (See Hardy, Benjamin J.)
Compania Importadora de Vinos de La Habana, Sociedad Anonima, Alacranes and Habana, Cuba. Aguardiente, rum, ethyl alcohol and cognac. 410,763; Dec. 19; Serial No. 467,233; published June 13, 1944. Class 49.
Connecticut Telephone & Electric Company, Incorporated, assignor, by mesne assignments, to Great American Industries, Inc., Meriden, Conn. Inductance coils. 190,386; renewed Oct. 14, 1944.
Consolidated Paper Corporation Limited. (See Wayagamack Pulp & Paper Company, Limited, assignor.)
Coralite Dental Products Company, Chicago, Ill., Liquid preparation used by the dental profession. 410,878; Dec. 19. Class 44.
Crestwood Publishing Co. Inc., New York, N. Y. Series of small size editions of stories published from time to time. 410,787; Dec. 19; Serial No. 470,220; published Oct. 10, 1044. Class 38.
Cribbins, Walter W., San Francisco, Calif. Scripts for a series of radio broadcasts sold as a publication in trade. 410,789; Dec. 19; Serial No. 470,490; published Oct. 10, 1944. Class 38.
Croydon China Corporation, Trenton, N. J. Ceramic lamp bases, Commode lamps, etc. 410,864–5; Dec. 19. Class 34.
Crystal Candy Company, assignor to Rawls-Dickson Candy Company, Winston-Salem, N. C. Chocolate bar. 197,907; renewed Apr. 28, 1945.
Daggett Chocolate Company, Boston, to Daggett Chocolate Company, Cambridge, Mass. Confectionery. 194,947; renewed Feb. 10, 1945.
Dearborn Chemical Company, Chicago, Ill. Compound designed to clean foreign substances by chemical action. 197,147; renewed Apr. 14, 1945.
De Bruyn, M., Importing Co. (See de Bruyn, Marius.)
De Bruyn, Marius, doing business as M. de Bruyn Importing Co., to Asche-Bandor Corporation, New York, N. Y., successor. Prepared foods, specifically canned sardines. 193,024; renewed Dec. 16, 1944.
Dover Jewelry Co., Inc., New York, N. Y. Watches. 410,817–18; Dec. 19; Serial Nos. 471,335–6; published Oct. 10, 1944. Class 27.
Drug Products Co. Inc., The, Long Island City, N. Y. Iodized calcium medication. 192,178; renewed Nov. 25, 1944.
Drug Products Co. Inc., The, Long Island City, N. Y. Medicinal preparation. 193,093; renewed Dec. 16, 1944.
Dunhill, Mary, Inc., New York, N. Y. Periodicals. 410,767; Dec. 19; Serial No. 468,410; published Oct. 3, 1944. Class 38.
Eagle Manufacturing Company, Wellsburg, W. Va. Torches, tallow pots or oil pots. 197,915; renewed Apr. 28, 1945.
Eastern New England Spacarb Corporation, New York, N. Y. Non-alcoholic, maltless beverages. 410,826; Dec. 19; Serial No. 471,946; published Oct. 10, 1944. Class 45.
Eckerling Brothers, Chicago, Ill. Overalls and overall jackets. 197,062; renewed Apr. 7, 1945.
Eclat Rubber Company, The, Cuyahoga Falls, to The Eclat Rubber Company, Cuyahoga Falls and Akron, Ohio. Rubber tires. 192,924; renewed Dec. 16, 1944.
Eisenstadt Manufacturing Company, St. Louis, Mo. Watch chains, tie clasps, emblem charms, etc. 410,753; Dec. 19; Serial No. 463,481; published Apr. 4, 1944. Class 28.
Eisenstadt Manufacturing Company, St. Louis, Mo. Pyrophoric cigar lighters and pyrophoric cigarette lighters. 410,754; Dec. 19; Serial No. 463,482; published Jan. 11, 1943. Class 34.
Eisenstadt Manufacturing Company, St. Louis, Mo. Cigarette cases and cigarette holders. 410,755; Dec. 19; Serial No. 465,712; published Mar. 14, 1944. Class 8.
Endless Belt Corporation. (See Southern Endless Belt Company, assignor.)
Escalante, Jose, & Co., Chicago, Ill. Cigars. 198,179; renewed May 5, 1945.
F-R Publishing Corporation, The, New York, N. Y. Magazine column. 410,780; Dec. 19; Serial No. 469,866 published Sept. 26, 1944. Class 38.
F-R Publishing Corporation, The, New York, N. Y. Magazine column. 410,781–3; Dec. 19; Serial Nos. 469,868–70; published Sept. 26, 1944. Class 38.
Fischer, Carl, Inc., New York, N. Y. Reeds for woodwind musical instruments. 191,319; renewed Nov. 4, 1944.
Forstmann & Huffmann Company, assignor to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 193,198–9; renewed Dec. 23, 1944.
Forstmann Woolen Co. (See Forstmann & Huffmann Company.)
Fort Scott Hydraulic Cement Company. (See Thomas, Howard M.)
Fort Scott Hydraulic Cement Co., to Howard M. Thomas, doing business as Fort Scott Hydraulic Cement Company, Fort Scott, Kans., successor. Hydraulic cement. 197,110; renewed Apr. 7, 1945.
Foster-McClellan Co., Buffalo, N. Y. Sulfathiazol solutions. 410,819; Dec. 19; Serial No. 471,337; published Oct. 3, 1944. Class 6.
Fowler, Thomas A., Kansas City, Mo. Medicine for domestic animals. 410,871; Dec. 19. Class 6.
Franklin Optical Company. (See Van Drimmelen, Paul.)
Fritzsche Brothers, Inc., New York, N. Y. Oil of ylang-ylang. 197,837; renewed Apr. 28, 1945.
Futter, Carl A., doing business as The Carlay Company, Chicago, Ill. Vitamin preparation. 410,793; Dec. 19; Serial No. 471,395; published Oct. 3, 1944. Class 6.
Gallagher & Burton, Inc., Philadelphia, Pa. Whiskey. 410,740; Dec. 19; Serial No. 446,423; published Sept. 26, 1944. Class 49.
Gateway Packing Co. (See Gentile, Laurence.)
General Refractories Company, Philadelphia, Pa. Standard refractory brick. 410,857–8; Dec. 19. Class 12.
General Thermostat Corporation, New York, N. Y. Electrical thermostats. 410,813; Dec. 19; Serial No. 471,212; published Oct. 3, 1944. Class 26.
Gentile, Laurence, doing business as Gateway Packing Co., Malden, Mass. Canned cooked spaghetti with condiments, canned minestrone, etc. 410,752; Dec. 19; Serial No. 463,147; published Oct. 10, 1944. Class 46.
Glens Falls Portland Cement Co., The, Glens Falls, N. Y. Portland cement. 197,616; renewed Apr. 21, 1945.
Goetz, M. K., Brewing Company, St. Joseph, Mo. Beer. 410,790; Dec. 19; Serial No. 470,495; published Oct. 3, 1944. Class 48.
Gordy, F., Mfg. and Dist. Co. (See Gordy, Fred U.)
Gordy, Fred U., doing business as F. Gordy Mfg. and Dist. Co., Salt Lake City, Utah. Automobile polish. 410,765; Dec. 19; Serial No. 468,023; published Oct. 10, 1944. Class 16.

Gorton-Pew Fisheries Company, Ltd., Gloucester, Mass. Smoked herring. 410,872; Dec. 19. Class 46.
Graham, James, Manufacturing Co., San Francisco, to James Graham Manufacturing Co., Newark, Calif. Wood, coal and gas stoves and ranges. 197,092; renewed Apr. 7, 1945.
Great American Industries, Inc. (See Connecticut Telephone & Electric Company, Incorporated, assignor.)
Grecht, Wm. Co., Baltimore, Md. Canned vegetables. 196,125; renewed Mar. 10, 1945.
Grennan Bakeries, Incorporated. (See Grennan Cake Corporation.)
Grennan Cake Corporation, Detroit, Mich., now by change of name Grennan Bakeries, Incorporated, to Grennan Bakeries, Incorporated, Chicago, Ill. Cakes, cookies, fried cakes, etc. 197,931; renewed Apr. 28, 1945.
Grunwald-Marx, Los Angeles, Calif. Dress and sports shirts. 410,832; Dec. 19; Serial No. 472,057; published Sept. 26, 1944. Class 39.
Guild of Prescription Opticians of America, Inc., Philadelphia, Pa. Lenses and optical products. 410,748; Dec. 19; Serial No. 462,338; published Oct. 3, 1944. Class 26.
Gwinn-Evans, Inc., Baltimore, Md. Skin cream and skin lotion. 410,838; Dec. 19; Serial No. 472,146; published Oct. 3, 1944. Class 6.
H. S. Specialty Co. (See Selleck, Harold U.)
Hanson, Arthur J., Company, Ashland, Wis. Salt, cloves, evaporated milk, etc. 410,743; Dec. 19; Serial No. 451,973; published Oct. 10, 1944. Class 46.
Hardy, Benjamin J., doing business as Colorthru Chemicals, New York, N. Y. Paints. 410,870; Dec. 19. Class 16.
Harman Equipment Co. (See Harman, Vivian M.)
Harman, Vivian M., doing business as Harman Equipment Co., Los Angeles, Calif. Portable pump and engine units. 410,749; Dec. 19; Serial No. 462,341; published Oct. 3, 1944. Class 23.
Harper Feed Mills, Inc., Pittsburgh, Pa. Poultry feeds and stock feeds. 410,750; Dec. 19; Serial No. 462,804; published Oct. 10, 1944. Class 46.
Harris, J. E., Company, The, doing business as Arlington Paint & Varnish Company, Wooster, Ohio. Paint products. 410,868; Dec. 19. Class 16.
Heany Industrial Ceramic Corporation, Rochester, N. Y. Nozzles as used in the application of abrasive sand in cleaning operations. 410,744; Dec. 19; Serial No. 455,433; published Sept. 26, 1944. Class 23.
Hearst Corporation, The, New York, N. Y. Newspaper section or department. 410,777; Dec. 19; Serial No. 469,764; published Oct. 10, 1944. Class 38.
Hearst Corporation, The, New York, N. Y. Newspaper cartoon strip. 410,778; Dec. 19; Serial No. 469,765; published Oct. 10, 1944. Class 38.
Hearst Corporation, The, New York, N. Y. Newspaper cartoon strip. 410,779; Dec. 19; Serial No. 469,768; published Oct. 10, 1944. Class 38.
Higginbotham Feed & Elevator Company, Lamesa, Tex. Feed for livestock and poultry. 410,846; Dec. 19; Serial No. 472,419; published Oct. 10, 1944. Class 46.
Hilltop Laboratories. (See Moore, Fred H.)
Hogbin, Ida, New York, N. Y. Preparation for use in the treatment of asthma and bronchitis. 410,814; Dec. 19; Serial No. 471,216; published Oct. 3, 1944. Class 6.
Holbrooke Candies, Inc., Brooklyn, N. Y. Candy. 410,874; Dec. 19. Class 46.
Holeproof Hosiery Co., Milwaukee, Wis. Hosiery. 197,981; renewed Apr. 28, 1945.
Hotel and Restaurant Employees' International Alliance and Bartenders' International League of America, Cincinnati, Ohio. Advertising cards, magazines, and membership cards, etc. 410,738; Dec. 19; Serial No. 403,046; published Sept. 26, 1944. Class 38.
Hotel and Restaurant Employees' International Alliance and Bartenders' International League of America, Cincinnati, Ohio. Advertising cards, magazines, membership cards, etc. 410,739; Dec. 19; Serial No. 403,048; published Sept. 26, 1944. Class 38.
Houchens Medicine Company, Baltimore, Md. Preparations for the treatment of coughs, colds, sore throats, etc. 197,831; renewed Apr. 28, 1945.
Hudnut, Richard, New York, N. Y. Perfumery, toilet waters, liquid perfumes, etc. 197,836; renewed Apr. 28, 1945.
Hudson, J. L., Company, The, Detroit, Mich. Coats, vests, trousers, etc. 198,156; renewed May 5, 1945.
Hunn, L. S., doing business as L. S. Hunn Packing Co., Woodlake, Calif. Canned olives. 410,854; Dec. 19. Class 46.
Hut Neckwear Company, Inc., New York, N. Y. Men's cravats. 193,196; renewed Dec. 23, 1944.
Icy-Hot Bottle Company, The, Cincinnati, Ohio, assignor to The Icy-Hot Bottle Company, assignor, by mesne assignments, to The American Thermos Bottle Company, Norwich, Conn. Carafes, jugs, tankards, etc. 194,309; renewed Jan. 20, 1945.
Icy-Hot Bottle Company, The, Cincinnati, Ohio, assignor to The Icy-Hot Bottle Company, Incorporated in 1923, assignor, by mesne assignments, to The American Thermos Bottle Company, Norwich, Conn. Lunch boxes, luncheon cases, carrying cases, etc. 195,005; renewed Feb. 17, 1945.
Icy-Hot Bottle Company, The, Cincinnati, Ohio, assignor to The Icy-Hot Bottle Company, assignor, by mesne assignments, to The American Thermos Bottle Company, Norwich, Conn. Bottles, jars, carafes, etc. 195,461; renewed Feb. 24, 1945.
Icy-Hot Bottle Company, The, Cincinnati, Ohio, assignor to The Icy-Hot Bottle Company, assignor, by mesne assignments, to The American Thermos Bottle Company, Norwich, Conn. Napkins, tablecloths, and doilies, etc. 195,462; renewed Feb. 24, 1945.
Icy-Hot Bottle Company, The, Cincinnati, Ohio, assignor to The Icy-Hot Bottle Company, assignor, by mesne assignments, to The American Thermos Bottle Company, Norwich, Conn. Table knives, table forks, table spoons, etc. 195,746; renewed Mar. 3, 1945.
Icy-Hot Bottle Company, The, Cincinnati, Ohio, assignor to The Icy-Hot Bottle Company, assignor, by mesne assignments, to The American Thermos Bottle Company, Norwich, Conn. Plates, cups and saucers, pots, etc. 195,747; renewed Mar. 3, 1945.
Industrial Abrasives, Inc., Chicago, Ill. Diamond abrasive wheels and coated abrasive discs. 410,859; Dec. 19. Class 4.
Interwoven Stocking Company, New Brunswick, N. J. Hosiery. 410,824; Dec. 19; Serial No. 471,833; published Sept. 26, 1944. Class 39.
Interwoven Stocking Company, New Brunswick, N. J. Men's and boys' half hose or socks. 194,072; renewed Jan. 13, 1945.
Jantzen Knitting Mills, Portland, Oreg. Swimming suits. 193,298; renewed Dec. 23, 1944.
Johnston & Jennings Company, The. (See Oil Conservation Engineering Company, assignor.)
Jorgensen, Earle M., Co., Los Angeles, Calif. Earth-moving equipment blades. 410,757; Dec. 19; Serial No. 466,290; published Oct. 3, 1944. Class 23.
Jung, L. E., & Wulff Co., Inc., New York, N. Y. Cocktail bitters. 410,827–8; Dec. 19; Serial Nos. 471,976–7; published Oct. 10, 1944. Class 49.
Kensington Steel Company, Chicago, Ill. Hammers with renewable and reversible tips. 410,821; Dec. 19; Serial No. 471,481; published Oct. 10, 1944. Class 23.
Kent-Moore Organization, Inc. (See Kent-Moore Organization.)
Kent-Moore Organization, to Kent-Moore Organization, Inc., successor. Automotive repair tools. 196,119; renewed Mar. 10, 1945.
Knefler-Bates Company. (See Knefler-Bates Mfg. Co., assignor.)
Knefler Bates Mfg. Co., assignor to Knefler-Bates Company, Indianapolis, Ind. Corn flour. 192,514; renewed Dec. 9, 1944.
Knoof, O. M., Inc., New York, N. Y. Grey and white Portland cement and general construction materials. 410,742; Dec. 19; Serial No. 448,913; published Oct. 10, 1944. Class 12.
Lake Byrd Citrus Packing Co., Avon Park, Fla. Fresh citrus fruits. 410,807; Dec. 19; Serial No. 473,150; published Oct. 10, 1944. Class 46.
Lampl, Walter, New York, N. Y. Jewelry. 410,848; Dec. 19; Serial No. 472,568; published Oct. 10, 1944. Class 28.
Laverne Originals, New York, N. Y. Wallpapers. 410,863; Dec. 19. Class 37.
Lewis, J. H., Inc., doing business under the name Chiksol Products Company, St. Paul, Minn. Poultry preparations. 410,840; Dec. 19; Serial No. 472,208; published Oct. 3, 1944. Class 6.
Libby, McNeill & Libby, Chicago, Ill. Dried beef. 195,482; renewed Feb. 24, 1945.
Living Publishing Company, New York, N. Y. Magazines. 410,798; Dec. 19; Serial No. 472,745; published Oct. 10, 1944. Class 38.
Lorenz Publishing Company, Dayton, Ohio. Periodical publication. 410,764; Dec. 19; Serial No. 467,343; published Oct. 3, 1944. Class 38.
Lowe, Joe, Co. Inc., Brooklyn, assignor to Joe Lowe Corporation, New York, N. Y. Cake mix. 197,293; renewed Apr. 14, 1945.
Lowe, Joe, Co. Inc., Brooklyn, assignor to Joe Lowe Corporation, New York, N. Y. Compositions of matter usually made of albumen in combination with modified starches and sugar. 197,400; renewed Apr. 14, 1945.
Lowe, Joe, Corporation. (See Lowe, Joe, Co. Inc., assignor.)
Lubri-Gel Products, McCracken, Kans. Hydrous aluminum silicate. 410,861; Dec. 19. Class 12.
Lubri-Gel Products, McCracken, Kans. Pulverized celestite. 410,862; Dec. 19. Class 12.
MacQuiddy, Dixon L., Santa Barbara, Calif. Photographs. 410,794; Dec. 19; Serial No. 471,407; published Oct. 10, 1944. Class 38.
Mainzer, Adolf J., Inc., Long Island, N. Y. Glazing for pastries and all baked goods. 410,875; Dec. 19. Class 46.
Maison Jeurelle-Seventeen, Inc., New York, N. Y. Perfumes. 410,845; Dec. 19; Serial No. 472,392; published Oct. 3, 1944. Class 6.
Manhattan Kreole Products Inc., doing business as Sani-Sealed Laboratories, Brooklyn, N. Y. Transparent wave set and toilet water. 410,842; Dec. 19; Serial No. 472,284; published Oct. 3, 1944. Class 6.

Manhattan Novelty Company, New York, N. Y. Combination dressing cases and writing kits. 410,877; Dec. 19. Class 3.
Marco Importing Co., Chicago, Ill. Whiskey. 410,768; Dec. 19; Serial No. 468,522; published Oct. 3, 1944. Class 49.
Marco Importing Co., Chicago, Ill. Rum. 410,769; Dec. 19; Serial No. 468,846; published Oct. 3, 1944. Class 49.
Marvellum Company, The, Holyoke, Mass. Cover paper. 196,832; renewed Mar. 31, 1945.
Master Electric Company, Dayton, Ohio. Electric motors and parts thereof, short circuiters, centrifugally-operated electric cut-outs. 196,464; renewed Mar. 17, 1945.
Master Electric Company, The, Dayton, Ohio. Electrically operated hoists and parts thereof. 410,802; Dec. 19; Serial No. 472,958; published Oct. 3, 1944. Class 21.
Mayflower Dress Co., Inc., New York, N. Y. Cotton and rayon fabrics in the piece. 410,822; Dec. 19; Serial No. 471,672; published Oct. 3, 1944. Class 42.
Mayflower Fruit Association, Exeter, Calif. Fresh grapes. 196,131; renewed Mar. 10, 1945.
McDaniel, G. O., doing business as G. O. McDaniel Co., Edcouch, Tex. Fresh citrus fruits, fresh vegetables, canned citrus juices, etc. 410,804; Dec. 19; Serial No. 472,986; published Oct. 10, 1944. Class 46.
McDaniel, G. O., doing business as G. O. McDaniel Co., Edcouch, Tex. Fresh citrus fruits and fresh vegetables. 410,805; Dec. 19; Serial No. 472,987; published Oct. 10, 1944. Class 46.
McDaniel, G. O., Co. (See McDaniel, G. O.)
Milani, Louis, Foods, Chicago, Ill. French dressing. 410,811; Dec. 19; Serial No. 471,160; published Oct. 10, 1944. Class 46.
Miller Drug Stores, Inc., also doing business as Parfums Gine, Cleveland, Ohio. Cosmetic and toiletry products. 410,860; Dec. 19. Class 6.
Miller, Meyer, doing business as Miller Underwear Co., New York, N. Y. Ladies' underwear. 410,820; Dec. 19; Serial No. 471,354; published Sept. 26, 1944. Class 39.
Miller Underwear Co. (See Miller, Meyer.)
Milwaukee Lock & Mfg. Co., Milwaukee, Wis. Padlocks and keys. 410,849; Dec. 19; Serial No. 472,575; published Oct. 10, 1944. Class 25.
Minot, Hooper & Co., New York, N. Y. Cotton piece goods. 195,539; renewed Feb. 24, 1945.
Model Brassiere Co. Inc., New York, assignor to Model Brassiere Corp., Brooklyn, N. Y. Brassières. 197,013; renewed Apr. 7, 1945.
Model Brassiere Co. Inc., New York, assignor to Model Brassiere Corp., Brooklyn, N. Y. Garment for women to be worn as a figure-reducing undergarment, etc. 197,542; renewed Apr. 21, 1945.
Model Brassiere Corp. (See Model Brassiere Co. Inc., assignor.)
Montenier, Jules, doing business as Select Cosmetics, Chicago, Ill. Cosmetic preparations. 410,869; Dec. 19. Class 6.
Moore, Fred H., doing business as Hilltop Laboratories, Minneapolis, Minn. Poultry medicines. 410,815; Dec. 19; Serial No. 471,269; published Oct. 3, 1944. Class 6.
Muller, Otto, doing business as Triological Institute, New York, N. Y. Weekly publication. 410,829; Dec. 19; Serial No. 471,980; published Oct. 3, 1944. Class 38.
Music You Enjoy, Inc., New York, N. Y. Series of children's books. 710,741; Dec. 19; Serial No. 448,435; published May 11, 1943. Class 38.
National Cylinder Gas Company, Chicago, Ill. Gas pressure regulators. 410,773; Dec. 19; Serial No. 469,209; published Oct. 10, 1944. Class 13.
National Fruit Products. (See Allen, Benjamin K.)
National Lead Company, New York, N. Y. Bentonite for use in the preparation and treatment of well drilling fluids. 410,747; Dec. 19; Serial No. 461,929; published Mar. 28, 1944. Class 12.
Nicholson, Pearl S. (Mrs. S. H. Nicholson). (See Nicholson, S. H.)
Nicholson, S. H., Decatur, to Pearl S. Nicholson (Mrs. S. H. Nicholson), Danville, Ill., successor. Ointment. 189,524; renewed Sept. 23, 1944.
Nicholson, S. H., Decatur, to Pearl S. Nicholson (Mrs. S. H. Nicholson), Danville, Ill. Laxative. 189,525; renewed Sept. 23, 1944.
Ohio Brewery, Inc., Columbus, Ohio. Bottle beer. 410,751; Dec. 19; Serial No. 462,885; published Oct. 3, 1944. Class 48.
Oil Conservation Engineering Company, assignor to The Johnston & Jennings Company, Cleveland, Ohio. Automatic fire extinguisher liquid. 196,534; renewed Mar. 17, 1945.
Pacific Wholesale Grocery Co., to Pacific Wholesale Grocery Co., Los Angeles, Calif., successor. Canned peaches, pears, plums, cherries, canned spinach, etc. 197,958; renewed Apr. 28, 1945.
Pederson, Lottie, doing business as T & H Products Company, Mount Vernon, Wash. Canned dog and cat food. 410,803; Dec. 19; Serial No. 472,967; published Oct. 10, 1944. Class 46.
Pennsylvania Salt Manufacturing Company, The, Philadelphia, Pa. Pamphlet issued about every six weeks containing pest control recommendations dealing with the use of cryolite containing insecticides. 410,760; Dec. 19; Serial No. 466,706; published Sept. 26, 1944. Class 38.
Perfect Circle Company, The, Hagerstown, Ind. Trade periodical. 410,762; Dec. 19; Serial No. 467,207; published Oct. 3, 1944. Class 38.
Petersen & Pegau Baking Co., Omaha, Nebr., now by change of name P. F. Petersen Baking Company to P. F. Petersen Baking Company. Bread. 190,771; renewed Oct. 21, 1944.
Petersen, P. F., Baking Company. (See Petersen & Pegau Baking Co.)
Phillips, Charles H., Co., The, Glenbrook, Conn., and New York, N. Y., assignor to Sterling Drug Inc., Wilmington, Del. Dentifrices. 197,488; renewed Apr. 21, 1945.
Phoenix Hosiery Company, Milwaukee, Wis. Hosiery. 198,091; renewed May 5, 1945.
Pikle-Rite Company, Not Inc. (See Wood, John A.)
Pioneer Coal & Coke Company, St. Louis, Mo. Coal. 197,997; renewed Apr. 28, 1945.
Port Huron Sulphite & Paper Company, Port Huron, Mich. Carbon paper. 410,873; Dec. 19. Class 11.
Powell, John, & Co. Inc., New York, N. Y. Insect powder. 193,501; renewed Dec. 30, 1944.
Procter & Gamble Company, The, Cincinnati, Ohio. Comic strip. 410,799; Dec. 19; Serial No. 472,749; published Oct. 10, 1944. Class 38.
Quik-Seal, Inc. (See Sticelber, Merlin A.)
Rafea Pharmacal Co., New York, N. Y. Tablets for relief of gas, acid indigestion, flatulence, etc. 410,774; Dec. 19; Serial No. 469,414; published Oct. 3, 1944. Class 6.
Railton, B. A., Company, Chicago, Ill. Vinegar, canned vegetables, preserved vegetables, etc. 191,195; renewed Nov. 4, 1944.
Rapids-Standard Co., Inc., Grand Rapids, Mich. Floor to floor power belt conveyors. 410,784; Dec. 19; Serial No. 469,965; published Sept. 26, 1944. Class 23.
Rawls-Dickson Candy Company. (See Crystal Candy Company, assignor.)
Raynor, H. B., doing business as H. B. Raynor Chemical Co. and also as H. B. Raynor Laboratory, Chicago, Ill. Laxative. 410,843; Dec. 19; Serial No. 472,302; published Oct. 3, 1944. Class 6.
Raynor, H. B., doing business as H. B. Raynor Chemical Co. and also as H. B. Raynor Laboratory, Chicago, Ill. Medicinal preparation to be used in the treatment of bladder and kidney ailments. 410,844; Dec. 19; Serial No. 472,303; published Oct. 3, 1944. Class 6.
Raynor, H. B., Chemical Co. (See Raynor, H. B.)
Raynor, H. B., Laboratory. (See Raynor, H. B.)
Reich, Leonard S., doing business as Renel, Mt. Vernon, N. Y. Perfumes and toilet waters. 410,795; Dec. 19; Serial No. 471,419; published Oct. 3, 1944. Class 6.
Renel. (See Reich, Leonard S.)
Renoir Parfums, Ltd., New York, N. Y. Perfumes. 410,833; Dec. 19; Serial No. 472,080; published Oct. 3, 1944. Class 6.
Rio Grande Produce Co. (See Church, C. A.)
Ross Manufacturing Co., Kansas City, Mo. Compression bibbs, closet bolts, sink bolts, etc. 196,637; renewed Mar. 24, 1945.
Saginaw Products Corporation, Saginaw, Mich. Furniture casters. 410,867; Dec. 19. Class 13.
Sani-Sealed Laboratories. (See Manhattan Kreole Products Inc.)
Sanitary Paper Mills, Inc., The, Burnside, Conn. Cleansing or facial tissues. 410,851; Dec. 19. Class 37.
Schlosser Brothers, Inc., Frankfort, Ind. Dried buttermilk. 197,847; renewed Apr. 28, 1945.
Select Cosmetics. (See Montenier, Jules.)
Selleck, Harold U., doing business as H. S. Specialty Co., Tacoma, Wash. Liquid for external use for fungus infections. 410,816; Dec. 19; Serial No. 471,320; published Oct. 3, 1944. Class 6.
Seminole Manufacturing Company, Columbus, Miss. Slacks and sport shirts. 410,834; Dec. 19; Serial No. 472,081; published Sept. 26, 1944. Class 39.
Siegel, Jacob, Company, Philadelphia, Pa. Topcoats and overcoats, Men's and boys. 410,835; Dec. 19; Serial No. 472,084; published Sept. 26, 1944. Class 39.
Society of Chemical Industry in Basle, Basel, Switzerland. Coal-tar colors. 193,524; renewed Dec. 30, 1944.
Southern Endless Belt Company, Petersburg, Va., assignor, by mesne assignments, to Endless Belt Corporation, Pisgah Forest, N. C. Cigarette belts. 197,590; renewed Apr. 21, 1945.
Spiegel, Inc., Chicago, Ill. Column of newspaper or magazine. 410,797; Dec. 19; Serial No. 472,656; published Oct. 10, 1944. Class 38.
Spratt's Patent (America) Limited, London, England, and Newark, to Spratt's Patent (America) Limited, Newark, N. J. Food for poultry, game, and birds. 196,614; renewed Mar. 24, 1945.
Spratt's Patent (America) Limited, London, England, to Spratt's Patent (America) Limited, Newark, N. J. Food for birds. 197,830; renewed Apr. 28, 1945.

Stafford Allen & Sons, Limited, London and Long Melford, Suffolk, England. Insecticides. 410,825; Dec. 19; Serial No. 471,935; published Oct. 3, 1944. Class 6.
Standard Rice Company, Inc., Houston, Tex. Rice. 191,816; renewed Nov. 18, 1944.
Sterling Drug Inc. (See Phillips, Charles H., Chemical Co., The, assignor.)
Stern, I., & Co., to I. Stern & Co., Inc., New York, N. Y., successor. Dental supplies. 192,524; renewed Dec. 9, 1944.
Stern, I., & Co., Inc. (See Stern, I., & Co.)
Sticelber, Merlin A., doing business as Quik-Seal, Inc., Kansas City, Mo. Direct expansion cooling apparatus. 410,856; Dec. 19. Class 31.
Stifel, J. L., & Sons, Wheeling, W. Va., by change of name to J. L. Stifel & Sons, Inc. Cotton piece goods. 197,885; renewed Apr. 28, 1945.
Stifel, J. L., & Sons, Inc. (See Stifel, J. L., & Sons.)
Stuart Packing Corporation, assignor, by mesne assignments, to Alaska Pacific Salmon Company, Seattle, Wash. Canned salmon. 191,269; renewed Nov. 4, 1944.
Sweet Candy Company, Salt Lake City, Utah. Candy. 197,438; renewed Apr. 14, 1945.
T & H Products Company. (See Pederson, Lottie.)
Talmage, Truman E. (See Underwood-Talmage Co.)
Thomas, Howard M. (See Fort Scott Hydraulic Cement Co.)
Triological Institute. (See Muller, Otto.)
Underwood-Talmage Co., to Truman E. Talmage, Dayton, Ohio, successor. Candy. 191,278; renewed Nov. 4, 1944.
United-Carr Fastener Corporation. (See Carr Fastener Company, assignor.)
U. S. Industrial Chemicals, Inc., New York, N. Y. Acetoacetarylides, acetone, alpha alpha dimethyl alpha prime carbobutoxydihydro gamma pyrone, etc. 410,809–10; Dec. 19; Serial Nos. 471,007–8; published Oct. 3, 1944. Class 6.
Van Drimmelen, Paul, doing business as Franklin Optical Company, Buffalo, N. Y. Eye glass lenses. 410,853; Dec. 19. Class 26.
Van Loan & Co. Inc. (See Van Loan & Company, assignor.)
Van Loan & Company, assignor to Van Loan & Co. Inc., New York, N. Y. Spices, barley, rice flour, etc. 191,346; renewed Nov. 4, 1944.
Van Wagner, Lester S., doing business as Van Wagner Co., Richmond Hill, N. Y. Electrical extension lighting apparatus. 410,788; Dec. 19; Serial No. 470,283; published Oct. 3, 1944. Class 21.
Van Wagner Co. (See Van Wagner, Lester S.)
Vita-Var Corporation, Newark, N. J. Insecticide and linoleates. 410,836; Dec. 19; Serial No. 472,091; published Oct. 3, 1944. Class 6.
Wallerstein Company, Inc. (See American Burtonizing Company and Wallerstein Laboratories, assignor.)
Wayagamack Pulp & Paper Company, Limited, Three Rivers, Quebec, assignor to Consolidated Paper Corporation Limited, Montreal, Quebec, Canada. Wood pulp, chemical pulp, sulphate and sulphite pulp, etc. 194,226; renewed Jan. 20, 1945.
Wayagamack Pulp & Paper Company, Limited, Three Rivers, Quebec, assignor to Consolidate Paper Corporation Limited, Montreal, Quebec, Canada. Wrapping paper, writing paper, kraft papers, etc. 195,169; renewed Feb. 17, 1945.
Webster Eisenlohr, Inc., New York, N. Y. Pipe tobacco. 410,785; Dec. 19; Serial No. 470,056; published Oct. 10, 1944. Class 17.
Westerfield Pharmacal Co. Inc., Dayton, Ohio. Pharmaceutical preparation. 410,823; Dec. 19; Serial No. 471,825; published Oct. 3, 1944. Class 6.
White, Jessie L., Humboldt, Tenn. Hair oil. 410,866; Dec. 19. Class 6.
White Laboratories, Inc., Newark, N. J. Vitamin preparation. 410,796; Dec. 19; Serial No. 471,439; published Oct. 3, 1944. Class 6.
Wine Growers Guild, Lodi, Calif. Wine. 410,850; Dec. 19; Serial No. 472,602; published Oct. 3, 1944. Class 47.
Winthrop's Vacuum Cleaner Corp., Paterson, N. J. Electric vacuum cleaners of the type having ebullition systems. 410,775; Dec. 19; Serial No. 469,484; published Oct. 3, 1944. Class 21.
Wood, John A., doing business as Pikle-Rite Company, Not Inc., Pulaski, Wis., and Chicago, Ill. Prepared and bottled dill pickles. 410,792; Dec. 19; Serial No. 470,932; published Oct. 10, 1944. Class 46.
Wright, John W., Philadelphia, Pa. Candy bars. 410,800; Dec. 19; Serial No. 472,920; published Oct. 10, 1944. Class 46.
Wright, John W., Philadelphia, Pa. Cigarettes. 410,847; Dec. 19; Serial No. 472,489; published Oct. 10, 1944. Class 17.
Wyeth Incorporated, Philadelphia, Pa. Medicinal preparation. 410,830; Dec. 19; Serial No. 471,994; published Oct. 3, 1944. Class 6.
Zapon Company, The. (See Celluloid Zapon Company.)
Zbikowski, Wladyslaw S., doing business as Cobana Products Company, Detroit, Mich. Headache powders. 410,776; Dec. 19; Serial No. 469,552; published Oct. 3, 1944. Class 6.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. Pioneer Coal & Coke Company. 197,997; renewed Apr. 28, 1945.
Pulp, chemical pulp, sulphate and sulphite pulp, Wood. Wayagamack Pulp & Paper Company. 194,226; renewed Jan. 20, 1945.

CLASS 2

Cans. American Can Company. 197,382; renewed Apr. 14, 1945.
Carafes, jugs, tankards, etc. Icy-Hot Bottle Company. 194,309; renewed Jan. 20, 1945.
Paper and paper bags. Atlanta Paper Company. 26,368; re-renewed Apr. 9, 1945.

CLASS 3

Boxes, luncheon cases, carrying cases, etc., Lunch. Icy-Hot Bottle Company. 195,005; renewed Feb. 17, 1945.
Cases and writing kits, Combination dressing. Manhattan Novelty Company. 410,877; Dec. 19.

CLASS 4

Wheels and coated abrasive discs, Diamond abrasive. Industrial Abrasives, Inc. 410,859; Dec. 19.

CLASS 5

Flour, Corn. Knefler Bates Mfg. Co. 192,514; renewed Dec. 9, 1944.

CLASS 6

Acetoacetarylides, acetone, alpha alpha dimethyl alpha prime carbobutoxydihydro gamma pyrone, etc. U. S. Industrial Chemicals, Inc. 410,809–10; Dec. 19; Serial Nos. 471,007–8; published Oct. 3, 1944.
Calcium medication, Iodized. Drug Products Co. Inc. 192,178; renewed Nov. 25, 1944.
Colors, Coal-tar. Society of Chemical Industry in Basle. 193,524; renewed Dec. 30, 1944.
Compound designed to clean foreign substances by chemical action. Dearborn Chemical Company. 197,147; renewed Apr. 14, 1945.
Cosmetic preparations. J. Montenier. 410,869; Dec. 19.
Cosmetics and toiletry products. Miller Drug Stores, Inc. 410,860; Dec. 19.
Cream and skin lotion, Skin. Gwinn-Evans, Inc. 410,838; Dec. 19; Serial No. 472,146; published Oct. 3, 1944.
Dentifrices. Charles H. Phillips Chemical Co. 197,488; renewed Apr. 21, 1945.
Fire extinguisher liquid, Automatic. Oil Conservation Engineering Company. 196,534; renewed Mar. 17, 1945.
Headache powders. W. S. Zbikowski. 410,776; Dec. 19; Serial No. 469,552; published Oct. 3, 1944.
Insecticide and linoleates. Vita-Var Corporation. 410,836; Dec. 19; Serial No. 472,091; published Oct. 3, 1944.
Insecticides. Stafford Allen & Sons, Limited. 410,825; Dec. 19; Serial No. 471,935; published Oct. 3, 1944.
Laxative. Bathrick Inc. 410,841; Dec. 19; Serial No. 472,229; published Oct. 3, 1944.
Laxative. H. B. Raynor. 410,843; Dec. 19; Serial No. 472,302; published Oct. 3, 1944.
Laxative. S. H. Nicholson. 180,525; renewed Sept. 23, 1944.
Laxative preparation. L. B. Brown. 410,839; Dec. 19; Serial No. 472,178; published Oct. 3, 1944.
Liquid for external use for fungus infections. H. U. Selleck. 410,816; Dec. 19; Serial No. 471,320; published Oct. 3, 1944.
Medicinal preparation. Drug Products Co. Inc. 193,093; renewed Dec. 16, 1944.
Medicinal preparation. Wyeth Incorporated. 410,830; Dec. 19; Serial No. 471,994; published Oct. 3, 1944.
Medicinal preparation to be used in the treatment of bladder and kidney ailments. H. B. Raynor. 410,844; Dec. 19; Serial No. 472,303; published Oct. 3, 1944.
Medicine for domestic animals. T. A. Fowler. 410,871; Dec. 19.
Medicines, Poultry. F. H. Moore. 410,815; Dec. 19; Serial No. 471,269; published Oct. 3, 1944.
Oil, Hair. J. L. White. 410,866; Dec. 19.
Oil of ylang-ylang. Fritzsche Brothers, Inc. 197,837; renewed Apr. 28, 1945.
Ointment. S. H. Nicholson. 189,524; renewed Sept. 23, 1944.
Perfume. W. B. Cohen. 197,999; renewed Apr. 28, 1945.
Perfumery, toilet waters, liquid perfumes, etc. R. Hudnut. 197,836; renewed Apr. 28, 1945.

Perfumes. Maison Jeurelle-Seventeen, Inc. 410,845; Dec. 19; Serial No. 472,392; published Oct. 3, 1944.
Perfumes, Renoir Parfums, Ltd. 410,833; Dec. 19; Serial No. 472,080; published Oct. 3, 1944.
Perfumes and toilet waters. L. S. Reich. 410,795; Dec. 19; Serial No. 471,419; published Oct. 3, 1944.
Perfumes, toilet waters, eau de cologne. M. Babani. 410,812; Dec. 19; Serial No. 471,177; published Oct. 3, 1944.
Pharmaceutical preparation. Westerfield Pharmacal Co. 410,823; Dec. 19; Serial No. 471,825; published Oct. 3, 1944.
Poultry preparations. J. H. Lewis, Inc. 410,840; Dec. 19; Serial No. 472,208; published Oct. 3, 1944.
Powder, Insect. John Powell & Co. Inc. 193,501; renewed Dec. 30, 1944.
Preparations for the treatment of coughs, colds, sore throats, etc. Houchens Medicine Company. 197,831; renewed Apr. 28, 1945.
Preparation for use in the treatment of asthma and bronchitis. I. Hogbin. 410,814; Dec. 19; Serial No. 471,216; published Oct. 3, 1944.
Sulfathiazol solutions. Foster-McClellan Co. 410,819; Dec. 19; Serial No. 471,337; published Oct. 3, 1944.
Tablets for relief of gas, acid indigestion, flatulence, etc. Rafea Pharmacal Co. 410,774; Dec. 19; Serial No. 469,414; published Oct. 3, 1944.
Vitamin preparation. C. A. Futter. 410,793; Dec. 19; Serial No. 471,395; published Oct. 3, 1944.
Vitamin preparation. White Laboratories, Inc. 410,796; Dec. 19; Serial No. 471,439; published Oct. 3, 1944.
Wave set and toilet water, Transparent. Manhattan Kreole Products Inc. 410,842; Dec. 19; Serial No. 472,284; published Oct. 3, 1944.

CLASS 8

Cases and cigarette holders, Cigarette. Eisenstadt Manufacturing Company. 410,755; Dec. 19; Serial No. 465,712; published Mar. 14, 1944.

CLASS 11

Paper, Carbon. Port Huron Sulphite & Paper Company. 410,873; Dec. 19.

CLASS 12

Bentonite for use in the preparation and treatment of well drilling fluids. National Lead Company. 410,747; Dec. 19; Serial No. 461,929; published Mar. 28, 1944.
Brick, General refractory. General Refractories Company. 410,857–8; Dec. 19.
Celestite, Pulverized. Lubri-Gel Products. 410,862; Dec. 19.
Cement, Hydraulic. Fort Scott Hydraulic Cement Co. 197,110; renewed Apr. 7, 1945.
Cement, Portland. Glens Falls Portland Cement Co. 197,616; renewed Apr. 21, 1945.
Portland-cement and general construction materials, Grey and white. O. M. Knoof, Inc. 410,742; Dec. 19; Serial No. 448,913; published Oct. 10, 1944.
Silicate, Hydrous aluminum. Lubri-Gel Products. 410,861; Dec. 19.

CLASS 13

Bibbs, closet bolts, sink bolts, etc., Compression. Ross Manufacturing Co. 196,637; renewed Mar. 24, 1945.
Casters, Furniture. Saginaw Products Corporation. 410,867; Dec. 19.
Plates, cups and saucers, pots, etc. Icy-Hot Bottle Company. 195,747; renewed Mar. 3, 1945.
Regulators, Gas pressure. National Cylinder Gas Company. 410,773; Dec. 19; Serial No. 469,209; published Oct. 10, 1944.

CLASS 15

Lubricants. Carr Fastener Company. 190,901; renewed Oct. 28, 1944.

CLASS 16

Paint products. J. E. Harris Company. 410,868; Dec. 19.
Paints. B. J. Hardy. 410,870; Dec. 19.
Paints and enamels, paint colors, etc., Ready-mixed. Celluloid Zapon Company. 197,335; renewed Apr. 14, 1945.
Polish, Automobile. F. U. Gordy. 410,765; Dec. 19; Serial No. 468,023; published Oct. 10, 1944.

CLASS 17

Cigarettes. J. W. Wright. 410,847; Dec. 19; Serial No. 472,489; published Oct. 10, 1944.
Cigars. Jose Escalante & Co. 198,179; renewed May 5, 1945.
Tobacco, Pipe. Webster Eisenlohr, Inc. 410,785; Dec. 19; Serial No. 470,056; published Oct. 10, 1944.

CLASS 21

Cleaners, Electric vacuum. Winthrop's Vacuum Cleaner Corp. 410,775; Dec. 19; Serial No. 469,484; published Oct. 3, 1944.
Coils, Inductance. Connecticut Telephone & Electric Company. 190,386; renewed Oct. 14, 1944.
Hoists and parts thereof, Electrically operated. Master Electric Company. 410,802; Dec. 19. Serial No. 472,958; published Oct. 3, 1944.
Lighting apparatus, Electrical extension. L. S. Van Wagner. 410,788; Dec. 19; Serial No. 470,283; published Oct. 3, 1944.
Motors and parts thereof, short circuiters, centrifugally-operated electric cut-outs, Electric. Master Electric Company. 196,464; renewed Mar. 17, 1945.

CLASS 23

Blades, Earth-moving equipment. Earle M. Jorgensen Co. 410,757; Dec. 19; Serial No. 466,290; published Oct. 3, 1944.
Cane mills. Buffalo Forge Company. 197,622; renewed Apr. 21, 1945.
Conveyors, Floor to floor power belt. Rapids-Standard Co. 410,784; Dec. 19; Serial No. 469,965; published Sept. 26, 1944.
Diesel engines and parts thereof. Atlas Imperial Diesel Engine Co. 410,745; Dec. 19; Serial No. 457,411; published Mar. 2, 1943.
Hammers with renewable and reversible tips. Kensington Steel Company. 410,821; Dec. 19; Serial No. 471,481; published Oct. 10, 1944.
Knives, table forks, table spoons, etc., Table. Icy-Hot Bottle Company. 195,746; renewed Mar. 3, 1944.
Nozzles as used in the application of abrasive sand in cleaning operations. Heany Industrial Ceramic Corporation. 410,744; Dec. 19; Serial No. 455,433; published Sept. 26, 1944.
Pump and engine units, Portable. V. M. Harman. 410,749; Dec. 19; Serial No. 462,341; published Oct. 3, 1944.
Scissors and shears. Clayton Manufacturing Company. 410,759; Dec. 19; Serial No. 466,605; published Oct. 3, 1944.
Sprayers, Garden. Champion Sprayer Company. 410,761; Dec. 19; Serial No. 466,829; published Oct. 10, 1944.
Tools, Automotive repair. Kent-Moore Organization. 196,119; renewed Mar. 10, 1945.

CLASS 24

Built in ironing boards and cabinets, etc., Combined. Wm. Cameron & Co. Inc. 410,746; Dec. 19; Serial No. 457,738; published Oct. 10, 1944.

CLASS 25

Padlocks and keys. Milwaukee Lock & Mfg. Co. 410,849; Dec. 19; Serial No. 472,575; published Oct. 10, 1944.

CLASS 26

Gas analysis apparatus. Burrell Technical Supply Company. 410,770–1; Dec. 19; Serial Nos. 468,913–14; published Oct. 3, 1944.
Lenses and optical products. Guild of Prescription Opticians of America, Inc. 410,748; Dec. 19; Serial No. 462,338; published Oct. 3, 1944.
Lenses, Eye glass. P. Van Drimmelen. 410,853; Dec. 19.
Thermostats, Electrical. General Thermostat Corporation. 410,813; Dec. 19; Serial No. 471,212; published Oct. 3, 1944.

CLASS 27

Watches. Dover Jewelry Co. 410,817–18; Dec. 19; Serial Nos. 471,335–6; published Oct. 10, 1944.

CLASS 28

Jewelry. W. Lampl. 410,848; Dec. 19; Serial No. 472,568; published Oct. 10, 1944.
Watch chains, tie clasps, emblem charms, etc. Eisenstadt Manufacturing Company. 410,753; Dec. 19; Serial No. 463,481; published Apr. 4, 1944.

CLASS 31

Cooling apparatus, Direct expansion. M. A. Sticelber. 410,856; Dec. 19.

CLASS 33

Bottles, jars, carafes, etc. Icy-Hot Bottle Company. 195,461; renewed Feb. 24, 1945.
Ovenware, Glass. Century Metalcraft Corporation. 410,772; Dec. 19; Serial No. 469,116; published Oct. 10, 1944.

CLASS 34

Lamp bases, commode lamps, etc., Ceramic. Croydon China Corporation. 410,864–5; Dec. 19.
Lighters and pyrophoric cigarette lighters, Pyrophoric cigar. Eisenstadt Manufacturing Company. 410,754; Dec. 19; Serial No. 463,482; published Jan. 11, 1943.
Stoves and ranges, Wood, coal and gas. James Graham Manufacturing Co. 197,092; renewed Apr. 7, 1945.
Torches, tallow pots, or oil pots. Eagle Manufacturing Company. 197,915; renewed Apr. 28, 1945.
Belts, Cigarette. Southern Endless Belt Co. 197,590; renewed Apr. 21, 1945.
Tires, Rubber. Eclat Rubber Company. 192,924; renewed Dec. 16, 1944.

CLASS 36

Reeds for wood-wind musical instruments. Carl Fischer, Inc. 191,319; renewed Nov. 4, 1944.

CLASS 37

Paper and paper bags. Atlanta Paper Company. 26,368; re-renewed Apr. 9, 1945.

Paper, Cover. Marvellum Company. 196,832; renewed Mar. 31, 1945.
Paper, writing paper, kraft papers, etc., Wrapping. Wayagamack Pulp & Paper Company, Limited. 195,169; renewed Feb. 17, 1945.
Tissues, Cleansing or facial. Sanitary Paper Mills, Inc. 410,851; Dec. 19.
Wallpapers. Laverne Originals. 410,863; Dec. 19.

CLASS 38

Advertising cards, magazines, membership cards, etc. Hotel and Restaurant Employees' International Alliance and Bartenders' International League of America. 410,738; Dec. 19; Serial No. 403,046; published Sept. 26, 1944.
Advertising cards, magazines, membership cards, etc. Hotel and Restaurant Employees' International Alliance and Bartenders' International League of America. 410,739; Dec. 19; Serial No. 403,048; published Sept. 26, 1944.
Books, Series of children's. Music You Enjoy, Inc. 710,741; Dec. 19; Serial No. 448,435; published May 11, 1943.
Column, Magazine. F-R Publishing Corporation. 410,780; Dec. 19; Serial No. 469,866; published Sept. 26, 1944.
Column, Magazine. F-R Publishing Corporation. 410,781–3; Dec. 19; Serial Nos. 469,868–70; published Sept. 26, 1944.
Column of newspaper or magazine. Spiegel, Inc. 410,797; Dec. 19; Serial No. 472,656; published Oct. 10, 1944.
Comic strip. Procter & Gamble Company. 410,799; Dec. 19; Serial No. 472,749; published Oct. 10, 1944.
Magazines. Living Publishing Company. 410,798; Dec. 19; Serial No. 472,745; published Oct. 10, 1944.
Magazines, Monthly. American Steel and Wire Company of New Jersey. 410,801; Dec. 19; Serial No. 472,923; published Oct. 10, 1944.
Newspaper cartoon strip. Hearst Corporation. 410,778; Dec. 19; Serial No. 469,765; published Oct. 10, 1944.
Newspaper cartoon strip. Hearst Corporation. 410,779; Dec. 19; Serial No. 469,768; published Oct. 10, 1944.
Newspaper section or department. Hearst Corporation. 410,777; Dec. 19; Serial No. 469,764; published Oct. 10, 1944.
Pamphlet issued about every six weeks containing pest control recommendations dealing with the use of cryolite containing insecticides. Pennsylvania Salt Manufacturing Company. 410,760; Dec. 19; Serial No. 466,706; published Sept. 26, 1944.
Periodical, Trade. Perfect Circle Company. 410,762; Dec. 19; Serial No. 467,207; published Oct. 3, 1944.
Periodicals. Mary Dunhill, Inc. 410,767; Dec. 19; Serial No. 468,410; published Oct. 3, 1944.
Photographs. D. L. MacQuiddy. 410,794; Dec. 19; Serial No. 471,407; published Oct. 10, 1944.
Publication for those interested in boats of all kinds. J. W. Barton. 410,786; Dec. 19; Serial No. 470,065; published Oct. 3, 1944.
Publication, Periodical. Lorenz Publishing Company. 410,764; Dec. 19; Serial No. 467,343; published Oct. 3, 1944.
Publication, Weekly. Billboard Publishing Company. 197,993; renewed Apr. 28, 1945.
Publication, Weekly. O. Muller. 410,829; Dec. 19; Serial No. 471,980; published Oct. 3, 1944.
Scripts for a series of radio broadcasts sold as a publication in trade. W. W. Cribbins. 410,789; Dec. 19; Serial No. 470,490; published Oct. 10, 1944.
Small size editions of stories published from time to time, Series of. Crestwood Publishing Co. Inc. 410,787; Dec. 19; Serial No. 470,220; published Oct. 10, 1944.

CLASS 39

Brassières. Model Brassiere Co. Inc. 197,013; renewed Apr. 7, 1945.
Coats, vests, trousers, etc. J. L. Hudson Company. 198,156; renewed May 5, 1945.
Cravats, Men's. Hut Neckwear Company. 193,196; renewed Dec. 23, 1944.
Garment for women to be worn as a figure-reducing undergarment, etc. Model Brassiere Co. Inc. 197,542; renewed Apr. 21, 1945.
Hose or socks, Men's and boys' half. Interwoven Stocking Company. 194,072; renewed Jan. 13, 1945.
Hosiery. Bridgeton Hosiery Mills. 410,756; Dec. 19; Serial No. 466,035; published Sept. 26, 1944.
Hosiery. Holeproof Hosiery Co. 197,981; renewed Apr. 28, 1945.
Hosiery. Interwoven Stocking Company. 410,824; Dec. 19; Serial No. 471,833; published Sept. 26, 1944.
Hosiery. Phoenix Hosiery Company. 198,091; renewed May 5, 1945.
Jackets, Men's. Alligator Company. 410,791; Dec. 19; Serial No. 470,645; published Aug. 1, 1944.
Overalls and overall jackets. Eckerling Brothers. 197,062; renewed Apr. 7, 1945.
Shirts, Dress and sports. Grunwald-Marx. 410,832; Dec. 19; Serial No. 472,057; published Sept. 26, 1944.
Shirts, Slacks and sport. Seminole Manufacturing Company. 410,843; Dec. 19; Serial No. 472,081; published Sept. 26, 1944.
Suits and fleece overcoats, Men's flannel. Carson Pirie Scott & Company. 410,837; Dec. 19; Serial No. 472,094; published Sept. 26, 1944.
Suits, Swimming. Jantzen Knitting Mills. 193,298; renewed Dec. 23, 1944.
Topcoats and overcoats, Men's and boys. Jacob Siegel Company. 410,835; Dec. 19; Serial No. 472,084; published Sept. 26, 1944.
Underwear, Ladies'. M. Miller. 410,820; Dec. 19; Serial No. 471,354; published Sept. 26, 1944.

CLASS 42

Bedspreads. Bates Manufacturing Company. 195,664; renewed Mar. 3, 1945.
Cotton piece goods. J. L. Stifel & Sons. 197,885; renewed Apr. 28, 1945.
Fabrics in the piece, Cotton and rayon. Mayflower Dress Co. 410,822; Dec. 19; Serial No. 471,672; published Oct. 3, 1944.
Linens in the piece, Pure. Gilmore Bermond & Co. 195,400; renewed Feb. 24, 1945.
Napkins, tablecloths, and doilies, etc. Icy-Hot Bottle Company. 195,462; renewed Feb. 24, 1945.
Piece goods, Cotton. Minot, Hooper & Co. 195,539; renewed Feb. 24, 1945.
Woolen piece goods. Forstmann & Huffmann Company. 193,198–9; renewed Dec. 23, 1944.

CLASS 44

Dental supplies. I. Stern & Co. 192,524; renewed Dec. 9, 1944.
Liquid preparation used by the dental profession. Coralite Dental Products Company. 410,878; Dec. 19.

CLASS 45

Beverages and syrups and flavors for making the same, Non-alcoholic, maltless, carbonated. B. K. Allen. 410,831; Dec. 19; Serial No. 472,025; published Oct. 10, 1944.
Beverages, Non-alcoholic, maltless. Eastern New England Spacarb Corporation. 410,826; Dec. 19; Serial No. 471,946; published Oct. 10, 1944.

CLASS 46

Beef, Dried. Libby, McNeill & Libby. 195,482; renewed Feb. 24, 1945.
Bread. Petersen & Pegau Baking Co. 190,771; renewed Oct. 21, 1944.
Buttermilk, Dried. Schlosser Brothers, Inc. 197,847; renewed Apr. 28, 1945.
Cake mix. Joe Lowe Co. Inc. 197,293; renewed Apr. 14, 1945.
Cakes, cookies, fried cakes, etc. Grennan Cake Corporation. 197,931; renewed Apr. 28, 1945.
Candy. Holbrooke Candies, Inc. 410,874; Dec. 19.
Candy. Sweet Candy Company. 197,438; renewed Apr. 14, 1945.
Candy. Underwood-Talmage Co. 191,278; renewed Nov. 4, 1944.
Candy bars. J. W. Wright. 410,800; Dec. 19; Serial No. 472,920; published Oct. 10, 1944.
Canned cooked spaghetti with condiments, canned minestrone, etc. L. Gentile. 410,752; Dec. 19; Serial No. 463,147; published Oct. 10, 1944.
Canned dog and cat food. L. Pederson. 410,803; Dec. 19; Serial No. 472,967; published Oct. 19, 1944.
Canned olives. L. S. Hunn. 410,854; Dec. 19.
Canned peaches, pears, plums, cherries, canned spinach, etc. Pacific Wholesale Grocery Co. 197,958; renewed Apr. 28, 1945.
Canned salmon. Stuart Packing Corporation. 191,269; renewed Nov. 4, 1944.
Canned vegetables. Wm. Grecht Co. 196,125; renewed Mar. 10, 1945.
Chocolate bar. Crystal Candy Company. 197,907; renewed Apr. 28, 1945.
Compositions of matter usually made of albumen in combination with modified starches and sugar. Joe Lowe Co. Inc. 197,400; renewed Apr. 14, 1945.
Confectionery. Daggett Chocolate Company. 194,947; renewed Feb. 10, 1945.
Confectionery. G. W. Budd. 197,869; renewed Apr. 28, 1945.
Extracts, marmalades, jams, etc., Flavoring. California Laboratories Inc. 194,605; renewed Feb. 3, 1945.
Feed for livestock and poultry. Higginbotham Feed & Elevator Company. 410,846; Dec. 19; Serial No. 472,419; published Oct. 10, 1944.
Feeds and stock feeds, Poultry. Harper Feed Mills, Inc. 410,750; Dec. 19; Serial No. 462,804; published Oct. 10, 1944.
Flour, Wheat. African & Eastern Trading Co. 183,355; renewed Apr. 29, 1944.
Flour, Wheat. African & Eastern Trading Co. 189,031; renewed Sept. 9, 1944.
Food for birds. Spratt's Patent (America) Limited. 197,830; renewed Apr. 28, 1945.
Food for poultry, game, and birds. Spratt's Patent (America) Limited. 196,614; renewed Mar. 24, 1945.
Foods, specifically canned sardines, Prepared. M. de Bruyn. 193,024; renewed Dec. 16, 1944.
French dressing. Louis Milani Foods. 410,811; Dec. 19; Serial No. 471,160; published Oct. 10, 1944.
Fruits and fresh vegetables, Fresh citrus. G. O. McDaniel. 410,805; Dec. 19; Serial No. 472,987; published Oct. 10, 1944.

Fruits, Fresh citrus. Chula Vista Citrus Association. 410,852; Dec. 19.
Fruits, Fresh citrus. Lake Byrd Citrus Packing Co. 410,807; Dec. 19; Serial No. 473,150; published Oct. 10, 1944.
Fruits, fresh vegetables, canned citrus juices, etc., Fresh citrus. G. O. McDaniel. 410,804; Dec. 19; Serial No. 472,986; published Oct. 10, 1944.
Glazing for pastries and all baked goods. Adolf J. Mainzer, Inc. 410,875; Dec. 19.
Grapes, Fresh. Mayflower Fruit Association. 196,131; renewed Mar. 10, 1945.
Herring, Smoked. Gorton-Pew Fisheries Company, Ltd. 410,872; Dec. 19.
Pickles, Prepared and bottled Dill. J. A. Wood. 410,782; Dec. 19; Serial No. 470,932; published Oct. 10, 1944.
Potatoes, Table. Mack Bouchard & Son. 197,934; renewed Apr. 28, 1945.
Rice. Standard Rice Company. 191,816; renewed Nov. 18, 1944.
Salt. Cerebos, Limited. 194,817; renewed Feb. 10, 1945.
Salt, cloves, evaporated milk, etc. Arthur J. Hanson Company. 410,743; Dec. 19; Serial No. 451,973; published Oct. 10, 1944.
Sauce for sea food and cold cuts. Blue Plate Foods, Inc. 410,808; Dec. 19; Serial No. 473,529; published Oct. 10, 1944.
Sirups, Sugar. American Burtonizing Company and Wallerstein Laboratories. 197,917; renewed Apr. 28, 1945.
Spices, barley, rice flour, etc. Van Loan & Company. 191,346; renewed Nov. 4, 1944.
Vegetables, Fresh. C. A. Church. 410,876; Dec. 19.
Vinegar, canned vegetables, preserved vegetables, etc. B. A. Railton Company. 191,195; renewed Nov. 4, 1944.

CLASS 47

Wine. Wine Growers Guild. 410,850; Dec. 19; Serial No. 472,602; published Oct. 3, 1944.

CLASS 48

Beer. M. K. Goetz Brewing Company. 410,790; Dec. 19; Serial No. 470,495; published Oct. 3, 1944.
Beer, Bottle. Ohio Brewery, Inc. 410,751; Dec. 19; Serial No. 462,885; published Oct. 3, 1944.

CLASS 49

Aguardiente, rum, ethyl alcohol and cognac. Compania Importadora de Vinos de La Habana, Sociedad Anonima. 410,763; Dec. 19; Serial No. 467,233; published June 13, 1944.
Cocktail bitters. L. E. Jung & Wulff Co. 410,827–8; Dec. 19; Serial Nos. 471,976–7; published Oct. 10, 1944.
Rum. Brown-Forman Distillers Corporation. 410,766; Dec. 19; Serial No. 468,277; published May 16, 1944.
Rum. Marco Importing Co. 410,769; Dec. 19; Serial No. 468,846; published Oct. 3, 1944.
Whiskey. Bernheim Distilling Company. 410,806; Dec. 19; Serial No. 473,052; published Oct. 10, 1944.
Whiskey. Gallagher & Burton, Inc. 410,740; Dec. 19; Serial No. 446,423; published Sept. 26, 1944.
Whiskey. Marco Importing Co. 410,768; Dec. 19; Serial No. 468,522; published Oct. 3, 1944.

CLASS 50

Ladders, Chain. F. J. Bryant. 195,609; renewed Feb. 24, 1945.
Sewing kits and sewing sets. C. J. Bates & Son. 410,758; Dec. 19; Serial No. 466,425; published Oct. 10, 1944.

LIST OF REISSUE PATENTEES

TO WHOM

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NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Crowley, Clyde A., Chicago, and J. B. Mullen, Elgin, assignors to The Huey Co., Chicago, Ill. Sensitizer containing a gel-forming colloidal clay. Re. 22,579; Dec. 19.

Dinnick, George M. (See Mouromtseff, I. E., and Dinnick.)

Huey Co., The. (See Crowley, C. A., and Mullen, assignors.)

Mouromtseff, Ilia E., Montclair, and G. M. Dinnick, Bloomfield, N. Y., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Ultra high frequency device with conical collector. Re. 22,580; Dec. 19.

Mullen, John B. (See Crowley, C. A., and Mullen.)

Opie, John, Riverside, assignor to Whiting Corporation, Harvey, Ill. Shearing and punching machine. Re. 22,581; Dec. 19.

Vard, Inc. (See Wallace, Vard B., assignor.)

Wallace, Vard B., Monrovia, assignor, by mesne assignments, to Vard, Inc., Pasadena, Calif. Drafting machine. Re. 22,582; Dec. 19.

Westinghouse Electric & Manufacturing Company. (See Mouromtseff, I. E., and Dinnick, assignors.)

Whiting Corporation. (See Opie, John, assignor.)

LIST OF PLANT PATENTEES

Fischer, Albert C. (See Hansen, Carl A., assignor.)

Hansen, Carl A., assignor of one-half to A. C. Fischer, Chicago, Ill. Crab apple tree. 648; Dec. 19.

LIST OF DESIGN PATENTEES

Adams, Kenneth S., Bartlesville, Okla., assignor to Phillips Petroleum Company. Medicine cabinet or the like. 139,753; Dec. 19.

Adel Precision Products Corp. (See Ellinwood, Herman R., assignor.)

Aircraft Tools, Inc. (See Crump, Woodford J., assignor.)

American Hoist & Derrick Co. (See Stoddard, R. J., Niessen, and Milnar, assignors.)

Bartalott, Herman A., Chicago, Ill. Combined container punching and liquid dispensing device or similar article. 139,741; Dec. 19.

Boyd, Charles R., Chicago, Ill. Spark plug. 139,754; Dec. 19.

Bruner, Rudy, New York, N. Y. Screen panel or the like. 139,766; Dec. 19.

Celander, Phillip A., Freeport, Ill., assignor to First Industrial Corporation, Wilmington, Del. Switch housing. 139,755; Dec. 19.

Crump, Woodford J., assignor to Aircraft Tools, Inc., Los Angeles, Calif. Angle drill attachment. 139,742; Dec. 19.

Davidson, Clinton J., San Diego, Calif. Toy top. 139,743; Dec. 19.

Davidson, Clinton J., San Diego, Calif. Greeting pin 139,767; Dec. 19.

Dazey Corporation. (See Reinecke, Jean O., assignor.)

Ellinwood, Herman R., Burbank, Calif., assignor to Adel Precision Products Corp. Kitchen utensil handle. 139,768; Dec. 19.

Faber, David H., Rockville Center, N. Y. Toy airplane. 139,744; Dec. 19.

First Industrial Corporation. (See Celander, Phillip A., assignor.)

Gemex Company. (See McHale, William A., assignor.)

Golden, Zelma, New York, N. Y. Dress. 139,769; Dec. 19.

Golden, Zelma, New York, N. Y. Dress. 139,770; Dec. 19.

Golden, Zelma, New York, N. Y. Dress. 139,771; Dec. 19.

Golden, Zelma, New York, N. Y. Dress. 139,772; Dec. 19.

Golden, Zelma, New York, N. Y. Dress. 139,773; Dec. 19.

Golden, Zelma, New York, N. Y. Dress. 139,774; Dec. 19.

Golden, Zelma, New York, N. Y. Dress. 139,775; Dec. 19.

Golden, Zelma, New York, N. Y. Dress. 139,776; Dec. 19.

Golden, Zelma, New York, N. Y. Dress. 139,777; Dec. 19.

Golden, Zelma, New York, N. Y. Dress. 139,778; Dec. 19.

Golden, Zelma, New York, N. Y. Dress. 139,779; Dec. 19.

Golden, Zelma, New York, N. Y. Dress. 139,780; Dec. 19.

Golden, Zelma, New York, N. Y. Dress. 139,781; Dec. 19.

Graham, Eleanor K., New York, N. Y. Dress. 139,782; Dec. 19.

Graham, Eleanor K., New York, N. Y. Dress. 139,783; Dec. 19.

Graham, Eleanor K., New York, N. Y. Dress. 139,784; Dec. 19.

Graham, Eleanor K., New York, N. Y. Dress. 139,785; Dec. 19.

Harvuot, Richard E. (See Hite, W. A., Harvuot, and Williams.)

Hausman, Paul G., Lawrence, Kans. Statuette or similar article. 139,787; Dec. 19.

Hite, Walter A., Palos Verdes Estates, R. E. Harvuot, Inglewood, and D. H. Williams, Los Angeles, Calif., assignors to Interstate Aircraft and Engineering Corporation. Airplane. 139,788; Dec. 19.

Hoffman, Charles J., York, Pa. Portable lamp guard or similar article. 139,756; Dec. 19.

Hoffman, Charles J., York, Pa. Portable lamp guard or similar article. 139,757; Dec. 19.

Hoffman, Charles J., York, Pa. Portable lamp guard or similar article. 139,758; Dec. 19.

Hyster, Willamette, Company. (See Johnson, George V., assignor.)

Ingram, Stanley W. A., Los Angeles, Calif. Pressure cooker. 139,789; Dec. 19.

Interstate Aircraft and Engineering Corporation. (See Hite, W. A., Harvuot, and Williams, assignors.)

Joesting, Harry F. (See Le Claire, Eugene J., assignor.)

Johnson, George V., assignor to Willamette Hyster Company, Portland, Oreg. Lift truck. 139,759; Dec. 19.

Karp, David, New York, N. Y. Picture frame. 139,786; Dec. 19.

Kress, Rush H., New York, N. Y., assignor to S. H. Kress and Company. Display counter. 139,790; Dec. 19.

Kress, S. H., and Company. (See Kress, R. H., assignor.)

Lasky, Herbert J., New York, N. Y. Key. 139,791; Dec. 19.

Le Claire, Eugene J., St. Paul, Minn., assignor to H. F. Joesting. Pressure cooker canning unit. 139,792; Dec. 19.

Leser, Tina, New York, N. Y. Bathing suit. 139,760; Dec. 19.

Lobel, Rudolph, New York, N. Y. Handbag frame. 139,745; Dec. 19.

Lukather, Monroe B., Van Nuys, Calif. Combined bottle and cap. 139,761; Dec. 19.

McCord Corporation. (See Springwell, Juan, assignor.)

McHale, William A., Glen Rock, N. J., assignor to Gemex Company. Bracelet. 139,793; Dec. 19.

Milnar, Charles. (See Stoddard, R. J., Niessen, and Milnar.)

Mudge, Raymond, Detroit, Mich. Cap for milk bottles. 139,762; Dec. 19.

Nash, Daniel J., New York, N. Y. Combined coin and key purse or similar article. 139,763; Dec. 19.

Niessen, William. (See Stoddard, R. J., Niessen, and Milnar.)

Novelart Manufacturing Company. (See von Hartmann, Evelyn, assignor.)

Phillips Petroleum Company. (See Adams, Kenneth S., assignor.)

Raucher, David, Brooklyn, N. Y. Table or similar article. 139,764; Dec. 19.

Reinecke, Jean O., Oak Park, Ill., assignor to Dazey Corporation. Fruit juicer. 139,794; Dec. 19.

Smallman, Samuel J., New York, N. Y. Back for billfold or similar article. 139,746; Dec. 19.

Smallman, Samuel J., New York, N. Y. Back for billfold or similar article. 139,747; Dec. 19.

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Nash, Daniel J., New York, N. Y. Combined coin and key purse or similar article. 139,763; Dec. 19.

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Smallman, Samuel J., New York, N. Y. Back for billfold or similar article. 139,747; Dec. 19.

Smallman, Samuel J., New York, N. Y. Back for billfold or similar article. 139,748; Dec. 19.
Smallman, Samuel J., New York, N. Y. Back for billfold or similar article. 139,749; Dec. 19.
Snyder, Robert E., Pasadena, Calif. Gauge handle. 139,750; Dec. 19.
Springwell, Juan, Detroit, Mich., assignor to McCord Corporation. Electric hot plate. 139,751; Dec. 19.
Stoddard, Robert J., W. Niessen, and C. Milnar, assignors to American Hoist & Derrick Co., St. Paul, Minn. Truck for a traveling crane. 139,752; Dec. 19.
Terry, George A., Buffalo, N. Y. Drilling attachment. 139,795; Dec. 19.
Terry, George A., Buffalo, N. Y. Drilling attachment. 139,796; Dec. 19.
Terry, George A., Buffalo, N. Y. Drilling attachment. 139,797; Dec. 19.
Von Hartmann, Evelyn, Westwood, N. J., assignor to Novelart Manufacturing Company. Display package for stationery or the like. 139,798; Dec. 19.
Wade, Nancy L., Los Angeles, Calif. Bowl for flowers or the like. 139,799; Dec. 19.
Warner, Max M., New York, N. Y. Handbag. 139,765; Dec. 19.
Williams, David H. (See Hite, W. A., Harvuot, and Williams.)

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Abington Textile Machinery Works. (See White, Charles E., assignor.)
Abrams, Victor R., Detroit, Mich. Laminated finned cylinder. 2,365,162; Dec. 19.
Addressograph-Multigraph Corporation. (See Boberg, Charles P., assignor.)
Adler, Charles, Jr., Baltimore, Md. Lamp. 2,365,504; Dec. 19.
Agriculture, of the United States of America, as represented by the Secretary of. (See Shaw, Charles S., assignor.)
Air Reduction Company. (See Sylvester, Walter G., assignor.)
Aktiebolaget Separator. (See Edvarsson, Johan E. E., assignor.)
Aktiengeselischaft Brown, Boverie & Cie. (See Zweifel, Otto, assignor.)
Alben, Frank L., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Vehicle drive. 2,365,505; Dec. 19.
Alexander, Claude H., Cuyahoga Falls, and F. K. Schoenfeld, Silver Lake, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Polymerization of vinyl compounds. 2,365,506; Dec. 19.
Alexander, Stewart F., U. S. Army. Eyeglasses. 2,365,163; Dec. 19.
Alien Property Custodian. (See Becker, Carlheinz.)
Alien Property Custodian. (See Bölkow, Ludwig.)
Alien Property Custodian. (See Bonnier, Claude E.)
Alien Property Custodian. (See Dietrich, Paul.)
Alien Property Custodian. (See Fikentscher, Hans.)
Alien Property Custodian. (See Gartner, E., and Koch.)
Alien Property Custodian. (See Hermitte, Louis A.)
Alien Property Custodian. (See Kühne, Walther.)
Alien Property Custodian. (See Kusman, David.)
Alien Property Custodian. (See Löpp, E., Zinke, and Berger.)
Alien Property Custodian. (See Mänken, W., and Uhlmann.)
Alien Property Custodian. (See Mercier, Jean.)
Alien Property Custodian. (See Muske, Franz.)
Alien Property Custodian. (See Oriol, Ramón.)
Alien Property Custodian. (See Orthner, L., and Jacobs.)
Alien Property Custodian. (See Reiners, W., Kahlisch, and Fürst.)
Alien Property Custodian. (See Riegger, Paul.)
Alien Property Custodian. (See Schirm, Erik, assignor.)
Alien Property Custodian. (See Schulze, Kurt.)
Alien Property Custodian. (See Weisz, Tibor.)
Allen, Everett W., Birmingham, assignor to General Motors Corporation, Detroit, Mich. Hold-down attachment. 2,365,372; Dec. 19.
Allen, Lloyd, Jr., Los Angeles, Calif. Fuel pump. 2,365,237; Dec. 19.
Allen, Philip H., Richmond, Calif., assignor to Friden Calculating Machine Co. Inc., San Leandro, Calif. Calculating machine. 2,365,507; Dec. 19.
Allis-Chalmers Manufacturing Company. (See McKahin, John D., assignor.)
Altman, Frederick J. (See Rights, H. T., Bernarde, and Altman.)
American Cast Iron Pipe Company. (See Moore, William D., assignor.)
American Laundry Machinery Company, The. (See Bicknell, G. R., and Heidenfelder, assignors.)
American Machine and Metals, Inc. (See Lyon, S. W., and Huyser, assignors.)
American Ore Reduction Corporation. (See Hodson, Frank, and Hirsch, assignors.)
American Platinum Works, The, et al. (See Comstock, Gregory J., assignor.)
American Rolling Mill Company, The. (See Ashworth, James E., assignor.)
American Seating Company. (See Lee, Roger K., assignor.)
American Steel Foundries. (See Lehrman, Leo A., assignor.)
American Steel Foundries. (See Light, David M., assignor.)
American Type Founders Incorporated. (See Sanford, David P., assignor.)
American Voith Contact Co. Inc. (See Schumacher, Fritz, assignor.)
American Window Glass Company. (See Welhs, Theodor G., assignor.)
Andersen, Thomas K., West New Brighton, N. Y. Digging attachment for tractors or the like. 2,365,164; Dec. 19.
Anderson, August P., assignor to Penn Electric Switch Co., Goshen, Ind. Filter and drier. 2,365,149; Dec. 19.
Anderson, Raymond T., Berea, assignor to The V. D. Anderson Company, Cleveland, Ohio. Oil settling tank. 2,365,442; Dec. 19.
Anderson, V. D., Company, The. (See Anderson, Raymond T., assignor.)
Anderson, Victor E., Detroit, Mich. Combination storm sash and screen structure. 2,365,238; Dec. 19.
Anderson, Victor E., Detroit, Mich. Combination storm sash and screen structure. 2,365,239; Dec. 19.
Angst, Walter, Manhasset, N. Y., assignor to Square D Company, Detroit, Mich. Power meter. 2,365,443; Dec. 19.
Aresee Company Inc. (See Chandler, D. L., and Ewing, assignors.)
Armstrong Cork Company. (See Powers, Paul O., assignor.)
Armstrong, George M., Grand Rapids, assignor to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 2,365,373; Dec. 19.
Arnold, Gerald D., Wauwatosa, Wis. Treating and storing device. 2,365,240; Dec. 19.
Ash, Charles S., Milford, Mich. Dual wheel assembly. 2,365,617; Dec. 19.
Ash, Charles S., Milford, Mich. Dual wheel assembly. 2,365,618; Dec. 19.
Ashley, Cecil W., Fort Worth, Tex. Service valve for portable containers. 2,365,241; Dec. 19.
Ashworth, James E., Butler, Pa., assignor to The American Rolling Mill Company, Middletown, Ohio. Guide. 2,365,322; Dec. 19.
Atkins, Percy P. (See Wibmer, M. D., Atkins, and Holbrow.)
Atwood Machine Company. (See Winslow, Albert E., assignor.)
Austin, Paul R., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Cork compositions. 2,365,508; Dec. 19.
Automatic Canteen Company of America. (See Bauman, G. C., Bolen, and Thompson, assignors.)
Automatic Electric Laboratories, Inc. (See Giannini, G. M., and Eisenberg, assignors.)
Automatic Shifter, Inc. (See Ingres, Jeannot G., assignor.)
Automotive Products Company Limited. (See Carlton, Quintin H., assignor.)
Ave'Lallemant, Martin H., Milwaukee, Wis. Storm sash ventilator. 2,365,323; Dec. 19.
Avery, Harold T., Oakland, Calif., assignor to Marchant Calculating Machine Company. Tabulating mechanism. 2,365,324; Dec. 19.
Avery, Harold T., Oakland, Calif., assignor to Marchant Calculating Machine Company. Clutch mechanism for calculating machines. 2,365,325; Dec. 19.
Babenco, Mauricio, Buenos Aires, Argentina. Electric switch. 2,365,444; Dec. 19.
Babowski, Witold A., Cleveland, Ohio. Automatic means for opening parachutes. 2,365,445; Dec. 19.
Bagley, Thomas J., Haddonfield, N. J., and D. Levin, Philadelphia, Pa., assignors to R. M. Hollingshead Corporation, Camden, N. J. Composition for producing fire-fighting foam and preparing same. 2,365,619; Dec. 19.
Bailey, James, West Hartford, assignor to Plax Corporation, Hartford, Conn. Method of and apparatus for producing continuous organic plastic sheets or ribbons by extrusion. 2,365,326; Dec. 19.
Bailey, James, West Hartford, assignor to Plax Corporation, Hartford, Conn. Shaping plastics by extrusion. 2,365,374; Dec. 19.
Bailey, James, West Hartford, and R. S. Jesionowski, assignors to Plax Corporation, Hartford, Conn. Shaping plastics by extrusion. 2,365,375; Dec. 19.
Baker, Benjamin P., Turtle Creek, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit interrupting device. 2,365,509; Dec. 19.
Baker & Company et al. (See Comstock, Gregory J., assignor.)
Banneyer, Joseph, Chicago, Ill. Conduit supporting device. 2,365,620; Dec. 19.
Barnes, Charles H., Glendale, assignor to Lane-Wells Company, Los Angeles, Calif. Adjustable anchor for packers. 2,365,327; Dec. 19.
Barnes, James F., Chicago, Ill., assignor to J. F. Barnes, trustee. Dispenser for marbles and the like. 2,365,511; Dec. 19.
Barnes, James F., trustee. (See Barnes; James F., assignor.)

Barnes, Thomas D., West Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Meter register. 2,365,510; Dec. 19.

Barry, Robert E. (See Talbot, Frank A., assignor.)

Bartelink, Everhard H. B., West Milton, N. Y., assignor to General Electric Company. Multivibrator. 2,365,512; Dec. 19.

Bartle, Robert E., and F. Riley, Hull, England. Appliance for playing games or skill. 2,365,513; Dec. 19.

Barton, Frederic D., Jr., Oakland, Calif. Watercraft. 2,365,446; Dec. 19.

Bassick Company, The. (See Herold, Walter F., assignor.)

Baudry, René A., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, Pittsburgh, Pa. Water cooler. 2,365,515; Dec. 19.

Bauman, George C., and J. E. Bolen, Morris, and E. H. Thompson, Winnetka, assignors to Automatic Canteen Company of America, Chicago, Ill. Vending machine. 2,365,165; Dec. 19.

Bausch & Lomb Optical Company. (See Gallasch, George B., assignor.)

Bausch & Lomb Optical Company. (See Morris, Edward M., assignor.)

Bausch & Lomb Optical Company. (See Street, Donald T., assignor.)

Bay, Thomas J., U. S. Navy. Internal-combustion engine cooling system. 2,365,166; Dec. 19.

Bazzoni, Lewis J., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for shaping shoe uppers. 2,365,242; Dec. 19.

Becker, Carlheinz, Berlin-Wilmersdorf, Germany; vested in the Alien Property Custodian. Leveling the characteristic of photographic emulsions. 2,365,376; Dec. 19.

Beckwith, Dudley R. (See New, A. A., Foord, and Beckwith.)

Bell, Millard R., Los Angeles, Calif., assignor to The B. F. Goodrich Company, New York, N. Y. Protective shield. 2,365,328; Dec. 19.

Bell, Richmond T., Deerfield, assignor to The Pure Oil Company, Chicago, Ill. Stabilizing carbonyl containing motor fuels. 2,365,377; Dec. 19.

Beloit Iron Works. (See Hornbostel, Lloyd, assignor.)

Bench, David E., and M. A. Crosby, assignors to The Dayton Pump and Manufacturing Company, Dayton, Ohio. Dispensing pump computer. 2,365,329; Dec. 19.

Bender, Robert W., assignor to Waxide Paper Company, Kansas City, Mo. Apparatus for controlling the coating of paper. 2,365,621; Dec. 19.

Bendix Aviation Corporation. (See Bogue, Leonard E., assignor.)

Bendix Aviation Corporation. (See Cox, Parker G., assignor.)

Bendix Aviation Corporation. (See Du Bois, William H., assignor.)

Bendix Aviation Corporation. (See Taylor, Cecil H., assignor.)

Benning, Anthony F., Woodstown, F. B. Downing, Penns Grove, N. J., and R. J. Plunkett, assignors to Kinetic Chemicals, Inc., Wilmington, Del. Refrigerants and making them. 2,365,516; Dec. 19.

Benson, Ernest H., Kansas City, Mo. Hinge. 2,365,378; Dec. 19.

Berger, Henry G. (See Waldo, P. G., Goodloe, and Berger.)

Berger, Hermann. (See Löpp, E., Zinke, and Berger.)

Berkey, William E., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric discharge device. 2,365,517; Dec. 19.

Berkey, William E., Forest Hills, and W. H. Cuttino, Wilkinsburg, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric discharge device. 2,365,518; Dec. 19.

Bernarde, Henry L. (See Rights, H. T., Bernarde, and Altman.)

Best, Frank A., Windsor, Ontario, Canada. Reflecting device for signs and the like. 2,365,447; Dec. 19.

Bicknell, George R., Antioch, and F. A. Heidenfelder, Chicago, Ill., assignors to The American Laundry Machinery Company, Norwood, Ohio. Sleeve press. 2,365,448; Dec. 19.

Bicknell, George R., Antioch, and F. A. Heidenfelder, Chicago, Ill., assignors to The American Laundry Machinery Company, Norwood, Ohio. Sleeve press. 2,365,449; Dec. 19.

Billings, Roy O., Milwaukee, Wis. Truck crane. 2,365,167; Dec. 19.

Billings, Roy O., Milwaukee, Wis. Turntable for cranes or the like. 2,365,168; Dec. 19.

Billings, Roy O., Milwaukee, Wis. Vehicle outrigger. 2,365,169; Dec. 19.

Bitting, Charles D., Kenvil, N. J., and R. W. Lawrence, assignors to Hercules Powder Company, Wilmington, Del. Blasting explosive. 2,365,170; Dec. 19.

Black, Donald H., Salem, Oreg. Acetylene torch. 2,365,379; Dec. 19.

Bliss, Warren H., Orono, Maine, assignor to Radio Corporation of America. Radio telegraph multiplex system. 2,365,450; Dec. 19.

Bloedorn, Clyde H., Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Preparing shrimp for canning. 2,365,519; Dec. 19.

Bloomfield, Samuel, Wichita, Kans. Stop nut. 2,365,380; Dec. 19.

Boberg, Charles P., Chicago, Ill., assignor to Addressograph-Multigraph Corporation, Wilmington, Del. Calculating and printing machine. 2,365,381; Dec. 19.

Bocklua, Walter A., Glenview, Ill. Shelf construction. 2,365,622; Dec. 19.

Bogue, Leonard E., assignor to Bendix Aviation Corporation, South Bend, Ind. Fastening device. 2,365,520; Dec. 19.

Bolen, John E. (See Bauman, G. C., Bolen, and Thompson.)

Bölkow, Ludwig, Augsburg, Germany, vested in the Alien Property Custodian. Aircraft plane. 2,365,382; Dec. 19.

Bond, Donald C., Northbrook, assignor to The Pure Oil Company, Chicago, Ill. Drilling mud. 2,365,383; Dec. 19.

Bonnier, Claude E., Neuilly-sur-Seine, France; vested in the Alien Property Custodian. Pneumatic speed regulator for engines. 2,365,384; Dec. 19.

Booth, Frank D., Cherokee, Iowa. Valve holder. 2,365,385; Dec. 19.

Boren, John W., Marinette, Wis. Heating and humidifying attachment for bassinets. 2,365,243; Dec. 19.

Bosch, Lester L., Cincinnati, Ohio, assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Alternating current network. 2,365,514; Dec. 19.

Bottl, Edmond C., Brooklyn, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Lead chromate pigment production. 2,365,171; Dec. 19.

Boyer, Robert A., Dearborn, and E. E. Ensign, Ypsilanti, assignors to Ford Motor Company, Dearborn, Mich. Magnesium production. 2,365,386; Dec. 19.

Bradley, Albert F., deceased, by E. Bradley, administratrix, assignor to Northwestern Steel and Wire Company, Sterling, Ill. Clutch mechanism. 2,365,244; Dec. 19.

Bradley, Edith, administratrix. (See Bradley, Albert F.)

Braun, C. F., & Co. (See Haynes, Charles L., assignor.)

Braunis, Stanley. (See Forsberg, Edgar E., assignor.)

Bremner, John G. M., and D. McNeil, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited. Preparation of dihydropyran. 2,365,623; Dec. 19.

Bridgeport Brass Company. (See Morris, Alan, assignor.)

Briscoe, Ernest V., Kerman, Calif. Leveling control for implements. 2,365,387; Dec. 19.

Brooke, Frank W., assignor to Swindell-Dressler Corporation, Pittsburgh, Pa. Electric arc furnace. 2,365,521; Dec. 19.

Browning, J. M. & M. S., Company. (See Browning, Marriner A., assignor.)

Browning, J. M. & M. S., Company. (See Browning, Val A., assignor.)

Browning, Marriner A., assignor to J. M. & M. S. Browning Company, Ogden, Utah. Firearm. 2,365,389; Dec. 19.

Browning, Val A., assignor to J. M. & M. S. Browning Company, Ogden, Utah. Machine gun air cooling means. 2,365,388; Dec. 19.

Bruce, Wesley G., Dallas, Tex; dedicated to the free use of the People in the Territory of the United States. Insecticide. 2,365,245; Dec. 19.

Bryant, Austin U., Berkeley, Calif., assignor to Fluid Control Engineering Co. Fluid flow controller. 2,365,172; Dec. 19.

Bryant Heater Company, The. (See Higley, Frank R., assignor.)

Budd Wheel Company. (See Eksergian, Carolus L., assignor.)

Budd Wheel Company. (See Eksergian, C. L., and Gaenssle, assignors.)

Buensod-Stacy, Incorporated. (See Smith, Milton S., assignor.)

Builders Safety Products, Inc. (See Walstrom, Emil A., assignor.)

Bullard, E. D., Company. (See Ludwell, Frederick R., assignor.)

Burdick, William E. (See Gilchrist, T. R., and Burdick.)

Burlin, Leslie H., Valparaiso, Ind., assignor to M. L. Sturm, Evanston, doing business as Milton Sturm & Company, Chicago, Ill. Folding table. 2,365,451; Dec. 19.

Burlin, Leslie H., Valparaiso, Ind., assignor to M. L. Sturm, Evanston, doing business as Milton Sturm & Company, Chicago, Ill. Bookrack. 2,365,452; Dec. 19.

Burmeister, Robert M., Pasadena, assignor to Universal Buyers, Inc., Los Angeles, Calif. Adjustable frame for barbecue structures and the like. 2,365,390; Dec. 19.

Burnett, Samuel A., Ottumwa, Iowa. Basket grate for stoves. 2,365,391; Dec. 19.

Byrne, Paul F., West Caldwell, N. J., assignor to Federal Telephone and Radio Corporation. Short wave transmission line balancing system. 2,365,453; Dec. 19.

Caesar, George V., Staten Island, assignor to Stein, Hall and Company, Inc., New York, N. Y. Starch esterification. 2,365,173; Dec. 19.

Calandra, Anthony A., trustee, et al. (See Cardini, G., assignor, and Davis.)

Campbell, Erwin A. (See Woolslayer, H. J., Campbell, and Jenkins.)

Cantello, Dominic and G., Streator, Ill. Safety fuel tank. 2,365,624; Dec. 19.

Cantello, Gaetano. (See Cantello, Dominic and G.)

Cardini, George, New York, N. Y., and W. H. Davis, Nashua, N. H.; said Davis assignor to C. L. Fish, Pepperell, Mass., trustee, and said Cardini assignor of sixty-six and two-thirds per cent of his share to A. A. Calandra, Newark, N. J., trustee. Hand grenade. 2,365,246; Dec. 19.

Carlisle, Vernon R., Kenosha, Wis. Safety device for vehicle passengers. 2,365,625; Dec. 19.

Carlisle, Vernon R., Kenosha, Wis. Safety holding device for vehicles. 2,365,626; Dec. 19.

Carlton, Quintin H., assignor to Automotive Products Company Limited, London, England. Locking device for remote control and other force-transmitting systems. 2,365,247; Dec. 19.

Carmichael, Asa B., Tujunga, Calif. Apparatus for electrolytically producing oxygen and hydrogen. 2,365,330; Dec. 19.

Carter, William W., Needham, assignor to Brayton Morton, Boston, Mass., trustee. Hollow molded preform of fiber and fusible plastic material. 2,365,331; Dec. 19.

Cejka, Louis A. (See Saucier, Lionel H., assignor.)

Celanese Corporation of America. (See Groombridge, W. H., and Page, assignors.)

Celanese Corporation of America. (See Schweizer, Ernest, assignor.)

Central Commercial Company. (See Langer, Nicholas, assignor.)

Chandler, Daniel L., Salem, and G. W. Ewing, Peabody, assignor to Aresee Company Inc., Salem, Mass. Automobile window control. 2,365,454; Dec. 19.

Chicago Metal Hose Corporation. (See Fentress, David W., assignor.)

Chicago Pneumatic Tool Company. (See Fischer, Howard R., assignor.)

Chicago Pneumatic Tool Company. (See Fischer, H. R., and Stevens, assignors.)

Christiani, August F., Red Lodge, Mont. Venetian blind. 2,365,248; Dec. 19.

Chrysler Corporation. (See Pennington, Gordon R., assignor.)

Chrysler Corporation. (See Smith, Claude H., assignor.)

Ciba Pharmaceutical Products, Incorporated. (See Ruzicka, Leopold, assignor.)

Cissell, William M., St. Matthews, near Louisville, Ky. Electric pressing iron. 2,365,332; Dec. 19.

Clark Equipment Company. (See Williams, Alfred O., assignor.)

Cochran, Avery M., U. S. Army, Colorado Springs, Colo. Toboggan. 2,364,174; Dec. 19.

Colt's Patent Fire Arms Manufacturing Company. (See Moore, Frederick T., assignor.)

Compoflex Company Limited. (See Moseley, J., and Gebbie, assignors.)

Comstock, Gregory J., Summit, assignor of two-thirds to Baker & Company, Inc., and one-third to The American Platinum Works, Newark, N. J. Electrical contact element. 2,365,249; Dec. 19.

Coney, James D. (See Young, L. A., and Coney.)

Conlon Corporation. (See Freis, Frederick M., assignor.)

Connelly Iron Sponge & Governor Co. (See Marek, William E., assignor.)

Connolly, William, Farley, Iowa. Rake. 2,365,393; Dec. 19.

Container Corporation of Ameria et al. (See Walton, R. R., and Greenlie, assignors.)

Continental Can Company. (See Bloedorn, Clyde H., assignor.)

Conver Steel & Wire Co. Incorporated. (See La Grotta, Frank, assignor.)

Cook, Frank L., South Bend, Ind. Pipe wrench. 2,365,627; Dec. 12.

Cook, Lee R. (See Emerson, C. G., and Cook.)

Cook, Paul G., Chicago, Ill., assignor to Union Bag & Paper Corporation, New York, N. Y. Device for sealing bags. 2,365,523; Dec. 19.

Cooley, Floyd A., assignor to Ternstedt Manufacturing Company, Detroit, Mich. Magazine for firearms. 2,365,392; Dec. 19.

Cooper, Nathan E. (See Fontaine, Raymond A., assignor.)

Cornwell, Ralph T. K., assignor to Sylvania Industrial Corporation, Fredericksburg, Va. Article of manufacture and producing the same. 2,365,455; Dec. 19.

Court, Kenneth, assignor to Gelatin Products Corporation, Detroit, Mich. Dispensing capsule. 2,365,524; Dec. 19.

Cox, Parker G., Detroit, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind. Self-cleaning filter element. 2,365,525; Dec. 19.

Cramer, Leonard F. (See Knoop, W. A., Jr., and Cramer.)

Crane Packing Company. (See Matter, Albert J., assignor.)

Crawford, William, Glasgow, Scotland. Structural unit. 2,365,175; Dec. 19.

Criswell, Carmer, assignor to General Motors Corporation, Detroit, Mich. Crankshaft. 2,365,394; Dec. 19.

Croggon, Owen F., Hyattsville, Md. Gravity-actuated figure toy. 2,365,522; Dec. 19.

Crosby, Melvin A. (See Bench, D. E., and Crosby.)

Crowley, Thomas C., Altadena, assignor to Turco Products, Inc., Los Angeles, Calif. Cleaning apparatus. 2,365,250; Dec. 19.

Crown Cork & Seal Company. (See Stewart, Robert J., assignor.)

Crown Zellerbach Corporation. (See Shively, James L., assignor.)

Crowther, David, Minneapolis, Minn. Holder for use in repointing twist drills. 2,365,395; Dec. 19.

Cunningham, Donald F., Milwaukee, Wis., assignor to Pabst Brewing Company, Chicago, Ill. Cardboard carton. 2,365,333; Dec. 19.

Cunningham, Francis G., Verona, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Taper grinding of artificial filaments. 2,365,396; Dec. 19.

Curtis, John C., Claremont, N. H., assignor to Sullivan Machinery Company. Portable drill rig. 2,365,176; Dec. 19.

Curtiss, Robert D., assignor to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner. 2,365,251; Dec. 19.

Cusette Foundations, Inc. (See Cusick, Anthony G., assignor.)

Cushman's Sons, Inc. (See Manus, John M., assignor.)

Cusick, Anthony G., assignor to Cusette Foundations, Inc., Worcester, Mass. Garter belt. 2,365,456; Dec. 19.

Cuttino, William H. (See Berkey, W. E., and Cuttino.)

Daniel, Friedrich K., Kew Gardens, assignor to Hornkem Corporation, New York, N. Y. Dialysis. 2,365,457; Dec. 19.

Darr, Harry E. (See Storch, Max H., assignor.)

Daum, Charles, New York, N. Y. Shelf supporting structure. 2,365,252; Dec. 19.

Davis, Walter H. (See Holihan, I. T., and Davis.)

Davis, Warren H. (See Cardini, G., and Davis.)

Dayton Pump and Manufacturing Company, The. (See Bench, D. E., and Crosby, assignor.)

Dean, Glen C., Loyall, assignor of one-half to J. S. Greene, Harlan, Ky. Drier for electric refrigerators. 2,365,526; Dec. 19.

Deere & Company. (See Hill, Stanley E., assignor.)

De Forest, Alfred V. (See De Forest, Taber and A. V.)

De Forest, Taber, Chicago, Ill., and A. V. de Forest, Marlboro, N. H., assignors to Magnaflux Corporation, Chicago, Ill. Testing materials. 2,365,253; Dec. 19.

Deloraine, Edmond M., assignor to International Standard Electric Corporation, New York, N. Y. Printing telegraph system. 2,365,458; Dec. 19.

Dennis, Adolphus S., Oakland, Calif., assignor to Friden Calculating Machine Co., Inc. Calculating machine. 2,365,527; Dec. 19.

Derby Sealers, Incorporated. (See Krueger, Alfred P., assignor.)

De Vries, Nicholas A., Brookfield Center, Conn. Curved plywood structure. 2,365,334; Dec. 19.

Dewey & Almy Chemical Company et al. (See Walton, R. R., and Greenlie, assignors.)

Dickerson, Walker T., Company, The. (See Friend, J. M., and Richardson, assignors.)

Dickman, Leonard L., Pasadena, Calif. Picket fence construction. 2,365,397; Dec. 19.

Dietrich, Paul, Augsburg, Germany; vested in the Alien Property Custodian. Apparatus for joining the webs of paper rolls. 2,365,528; Dec. 19.

Dietrich, Paul, Augsburg, Germany; vested in the Alien Property Custodian. Apparatus for joining the webs of paper rolls. 2,365,529; Dec. 19.

Dillehay, Edward R., Glen Ellyn, Ill., assignor to The Richardson Company, Lockland, Ohio. Hard rubber materials capable of ready fabrication. 2,365,335; Dec. 19.

Dimmick, Glenn L. (See Kellogg, E. W., and Dimmick.)

Dittmer, Joseph C., St. Albans, assignor to National Lead Company, New York, N. Y. Refining lead or lead alloys. 2,365,177; Dec. 19.

Dobremysl, Josef, Cambridge, England. Automatic gun. 2,365,459; Dec. 19.

Dodson, Howard W., Aldan, assignor, by mesne assignments, to United States Barrel Company, Philadelphia, Pa. Closure means for container openings. 2,365,178; Dec. 19.

Dolan, Cyril L., Minneapolis, Minn., assignor to The Egry Register Company, Dayton, Ohio. Ribbon control. 2,365,254; Dec. 19.

Donovan, John J., West Roxbury, Mass. Black-out switch. 2,365,530; Dec. 19.

Dorfan, Morton L., assignor, by mesne assignments, to Koppers Company, Inc., Pitsburgh, Pa. Apparatus for heating coating materials. 2,365,336; Dec. 19.

Dorr Company, Inc., The. (See Shafor, Ralph W., assignor.)

Dory, Albert J., Chicago, Ill. Artificial fishing lure. 2,365,628; Dec. 19.

Downing, Frederick B. (See Benning, A. F., Downing, and Plunkett.)

Drmic, Stipan A., Watsonville, Calif. Pruning shears. 2,365,398; Dec. 19.

Du Bois, William H., assignor to Bendix Aviation Corporation, South Bend, Ind. Regulating valve. 2,365,531; Dec. 19.

Du Mont, Allen B., Laboratories, Inc. (See Knoop, W. A., Jr., and Cramer, assignors.)
Dunn, Charlotte M., Great Neck, N. Y. Dress pattern. 2,365,532; Dec. 19.
Du Pont, E. I., de Nemours & Company. (See Austin, Paul R., assignor.)
Du Pont, E. I., de Nemours & Company. (See Botti, Edmond C., assignor.)
Du Pont, E. I., de Nemours & Company. (See Cunningham, Francis G., assignor.)
Du Pont, E. I., de Nemours & Company. (See Farquhar, B. S., and Schulze, assignors.)
Du Pont, E. I., de Nemours & Company. (See Gross, Peter F., assignor.)
Du Pont, E. I., de Nemours & Company. (See Hamilton, Lyle A., assignor.)
Du Pont, E. I., de Nemours & Company. (See Hanford, W. E., and Stevenson, assignors.)
Du Pont, E. I., de Nemours & Company. (See Hennion, George F., assignor.)
Du Pont, E. I., de Nemours & Company. (See Holmes, H. H., and Lawson, assignors.)
Du Pont, E. I., de Nemours & Company. (See Kerby, J. E., and Woodward, assignors.)
Du Pont, E. I., de Nemours & Company. (See Kharasch, Morris S., assignor.)
Du Pont, E. I., de Nemours & Company. (See Lang, Joseph W., assignor.)
Du Pont, E. I., de Nemours & Company. (See Meschter, Emery, assignor.)
Du Pont, E. I., de Nemours & Company. (See Richardson, Clarence L., Jr., assignor.)
Du Pont, E. I., de Nemours & Company. (See Williams, Thomas L., assignor.)
Eager, Wesley W., Pasadena, Calif. Partition construction. 2,365,255; Dec. 19.
Eckel, Oliver C., Cambridge, Mass. Clip. 2,365,629; Dec. 19.
Edvarsson, Johan E. E., assignor to Aktiebolaget Separator, Stockholm, Sweden. Separation of emulsions and colloidal solutions. 2,365,256; Dec. 19.
Egedal, Lawrence E., Milwaukee, Wis. Grain processing apparatus. 2,365,179; Dec. 19.
Egry Register Company, The. (See Dolan, Cyril L., assignor.)
Egry Register Company, The. (See Wyrick, Clayton E., assignor.)
Eisenberg, Ben. (See Giannini, G. M., and Eisenberg.)
Eksergian, Carolus L., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Brake control means. 2,365,180; Dec. 19.
Eksergian, Carolus L., and P. W. Gaenssle, Detroit, Mich., assignors to Budd Wheel Company, Philadelphia, Pa. Brake mechanism. 2,365,460; Dec. 19.
Electric Controller & Manufacturing Company, The. (See Griffes, Milton W., assignor.)
Electronoid Corporation. (See Fisher, Frederick C., assignor.)
Elsebusch, Otto, Los Angeles, Calif. Oil saver. 2,365,533; Dec. 19.
Emerson, Charles G., and L. R. Cook, Rowlesburg, W. Va. Change maker. 2,365,257; Dec. 19.
Ensign, Albert E. (See Boyer, R. A., and Ensign.)
Erber, Bernhard, London, England. Capping arrangement for electronic valves. 2,365,399; Dec. 19.
Ewing, George W. (See Chandler, D. L., and Ewing.)
Fahnestock, Frank C., Wenonah, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Production of catalytically cracked gasoline. 2,365,630; Dec. 19.
Fairbanks, Clarence L., Buffalo, Mont. Punch press set. 2,365,461; Dec. 19.
Faith, William L., Manhattan, Kans., assignor to Sharples Chemicals Inc., Philadelphia, Pa. Oxidation of halogenated hydrocarbons. 2,365,631; Dec. 19.
Farquhar, Bruce S., and F. Schulze, Waynesboro, Va., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilization of cellulose esters. 2,365,258; Dec. 19.
Federal Telephone and Radio Corporation. (See Byrne, Paul F., assignor.)
Fekel, Paul C. (See Poston, H. R., and Fekel.)
Fentress, David W., Evanston, Ill., assignor to Chicago Metal Hose Corporation, Maywood, Del. Bellows or tubing structure. 2,365,181; Dec. 19.
Ferguson, Kenneth C., assignor to Inland Container Corporation, Indianapolis, Ind. Case method of handling eggs. 2,365,182; Dec. 19.
Ferrari, Charles G., Minneapolis, Minn., assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Breadmaking. 2,365,534; Dec. 19.
Fikentscher, Hans, Ludwigshafen-on-the-Rhine, Germany; vested in the Alien Property Custodian. Heat-stabilized high-polymer halogen-containing products. 2,365,400; Dec. 19.
Finken, Walter S. (See Frieder, L. P., and Finken.)
Fischer, Eugene H., Derry, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Forming tapped holes in porcelain. 2,365,535; Dec. 19.
Fischer, Howard R., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Riveting tool. 2,365,538; Dec. 19.
Fischer, Howard R., and E. W. Stevens, Detroit, Mich., assignors to Chicago Pneumatic Tool Company, New York, N. Y. Hydraulic power plant. 2,365,536; Dec. 19.
Fischer, Howard R., and E. W. Stevens, Detroit, Mich., assignors to Chicago Pneumatic Tool Company, New York, N. Y. Hydraulic riveter. 2,365,537; Dec. 19.
Fischer, William H., Des Plaines, assignor to Process Engineering Corporation, Chicago, Ill. Coating apparatus. 2,365,259; Dec. 19.
Fish, Charles L., trustee, et al. (See Cardini, G., and (Davis assignor).)
Fisher, Frederick C., Bellmore, N. Y., assignor to Electronoid Corporation. Electromagnetic motive means. 2,365,632; Dec. 19.
Fisk, John E., South Euclid, Ohio. Tappet. 2,365,401; Dec. 19.
Flowers, Leonard C., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electrolytic etching polished surfaces. 2,365,539; Dec. 19.
Fluid Control Engineering Co. (See Bryant, Austin U., assignor.)
Fonken, Martin E., Burbank, Calif. Golf-ball retriever. 2,365,540; Dec. 19.
Fontaine, Raymond A., Hamden, assignor of one-half to N. E. Cooper, New Haven, Conn. Rotary abrader. 2,365,462; Dec. 19.
Food Machinery Corporation. (See Holmes, Herbert G., assignor.)
Foord, Stanley G. (See New, A. A., Foord, and Beckwith.)
Ford Motor Company. (See Boyer, R. A., and Ensign, assignors.)
Formhals, Calvin G., Smithfield, Ill. Nail pulling tool. 2,365,463; Dec. 19.
Forsberg, Edgar E., assignor of twenty-five per cent to S. Braunis, Chicago, Ill. Furnace. 2,365,183; Dec. 19.
Fortin, Leon J., Bath, Maine. Drill adapter. 2,365,260; Dec. 19.
Foster, Robert N., Anniston, Ala., assignor to Monsanto Chemical Company. Textile process and product. 2,365,402; Dec. 19.
Fountain, Lawrence L., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Shockproof relay contact. 2,365,541; Dec. 19.
Frankenstein, William P., Cincinnati, Ohio. Carton. 2,365,261; Dec. 19.
Frels, Frederick M., Chicago, assignor to Conlon Corporation, Cicero, Ill. Ironing machine. 2,365,542; Dec. 19.
Frey, Delton R. (See Prutton, C. F., Smith, and Frey.)
Frieder, Leonard P., Rockville Center, and W. S. Finken, Brooklyn, N. Y.; said Finken assignor to said Frieder. Parachute. 2,365,184; Dec. 19.
Friedman, William. (See Schlieben, E. W., and Friedman.)
Friden Calculating Machine Co. Inc. (See Allen, Philip H., assignor.)
Friden Calculating Machine Co., Inc. (See Dennis, Adolphus S., assignor.)
Friend, James M., and F. Richardson, assignors to The Walker T. Dickerson Company, Columbus, Ohio. Insole for shoes. 2,365,633; Dec. 19.
Fürst, Stefan. (See Reiners, W., Kahlisch, and Fürst.)
Gaenssle, Paul W. (See Eksergian, C. L., and Gaenssle.)
Galley, Florence L., Los Angeles, Calif. Tobacco humidifying device. 2,365,185; Dec. 19.
Gair, Albert W., Detroit, Mich., assignor to Thompson Products, Incorporated, Cleveland, Ohio. Tip-switch. 2,365,262; Dec. 19.
Galford, Everett H., Charleston, W. Va. Door seal. 2,365,403; Dec. 19.
Gallasch, George B., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Optical instrument. 2,365,337; Dec. 19.
Gamel, Lee B., Lemay, Mo. Tire splitting machine. 2,365,404; Dec. 19.
Gartner, Erich, Cologne-Mulheim, and A. Koch, Cologne-Dunnwald, Germany; vested in the Alien Property Custodian. Plastifying of synthetic rubber. 2,365,405; Dec. 19.
Gebbie, William P. V. (See Moseley, J., and Gebbie.)
Geimer, Anthony P., assignor to Hamilton Manufacturing Company, Two Rivers, Wis. Container and covering means. 2,365,186; Dec. 19.
Gelatin Products Corporation. (See Court, Kenneth, assignor.)
General Electric Company. (See Bartelink, Everhard H. B., assignor.)
General Electric Company. (See Maxwell, Donald E., assignor.)
General Electric Company. (See Moles, Frank J., assignor.)
General Motors Corporation. (See Allen, Everett W., assignor.)
General Motors Corporation. (See Criswell, Carmer, assignor.)
General Motors Corporation. (See Geyer, H. D., and Moule, assignors.)
General Motors Corporation. (See Janes, Russel G., assignor.)
General Motors Corporation. (See Koehring, Roland P., assignor.)
General Motors Corporation. (See Lillquist, Torsten O., assignor.)

General Railway Signal Company. (See Judge, Thomas J., assignor.)
General Steel Castings Corporation. (See Gilchrist, T. R., and Burdick, assignors.)
General Tire & Rubber Company, The. (See Kraft, Herman T., assignor.)
Gerhold, Clarence G., assignor to Universal Oil Products Company, Chicago, Ill. Preventing reboiler scaling. 2,365,543; Dec. 19.
Geyer, Harvey D., and R. E. Moule, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Power transmission device. 2,365,544; Dec. 19.
Giannini, Gabriel M., North Hollywood, Calif., and B. Eisenberg, Brooklyn, N. Y., assignors, by mesne assignments, to Automatic Electric Laboratories, Inc. Transmission system. 2,365,187; Dec. 19.
Gilchrist, Thomas R., Yeadon, and W. E. Burdick, Springfield, Pa., assignors to General Steel Castings Corporation, Granite City, Ill. Railway truck. 2,365,406; Dec. 19.
Gillette Safety Razor Company. (See Muros, Joseph, assignor.)
Godwin, Hiram F., Detroit, Mich. Lawn mower. 2,365,338; Dec. 19.
Goodloe, Paul M. (See Waldo, P. G., Goodloe, and Berger.)
Goodrich, B. F., Company, The. (See Alexander, C. H., and Schoenfeld, assignors.)
Goodrich, B. F., Company, The. (See Bell, Millard R., assignor.
Goodrich, B. F., Company, The. (See Haren, U. C., and Hasselquist, assignors.)
Gora, Henry Z., Bridgeport, Conn., assignor to Jenkins Bros., New York, N. Y. Rotary hydraulic pressure device. 2,365,263; Dec. 19.
Gorton, Walter T., Springfield, Mass. Firearm. 2,365,188; Dec. 19.
Grady, Benjamin, Washington, D. C. Carriage escapement device. 2,365,189; Dec. 19.
Graham, Frederick M., South Whitley, Ind., and E. E. Martin, Altoona, Pa. Elastic tie plate anchor spike. 2,365,545; Dec. 19.
Grand Rapids Hardware Company. (See Viehweger, August, assignor.)
Grant Positype Corporation. (See Pask, Stanley J., assignor.)
Green, Henry, assignor to Interchemical Corporation, New York, N. Y. Viscometer. 2,365,339; Dec. 19.
Greene, J. S. (See Dean, Glen C., assignor.)
Greenlie, David G. (See Walton, R. R., and Greenlie.)
Griffes, Milton W., assignor to The Electric Controller & Manufacturing Company, Cleveland, Ohio. Mercury switch. 2,365,634; Dec. 19.
Griffith, Richard. (See Price, D., and Griffith.)
Groombridge, Walter H., and R. Page, Spondon, near Derby, England, assignors to Celanese Corporation of America. Production of oxygen-containing organic compounds. 2,365,264; Dec. 19.
Gross, Peter F., Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Insoluble azo dyes. 2,365,265; Dec. 19.
Gross, Peter F., Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of phthalocyanine pigments. 2,365,464; Dec. 19.
Gulf Research & Development Company. (See Muskat, Morris, assignor.)
Haigler, John A. (See Haigler, W. H., Sr., L. B., and J. A.)
Haigler, Lawrence B. (See Haigler, W. H., Sr., L. B., and J. A.)
Haigler, William H., Sr., L. B. and J. A., Montgomery, Ala. Weed destroyer. 2,365,465; Dec. 19.
Hamaker, Rex G., assignor to Reed Roller Bit Company, Houston, Tex. Rock bit. 2,365,266; Dec. 19.
Hamilton, Lyle A., Pitman, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Organic compounds. 2,365,466; Dec. 19.
Hamilton Manufacturing Company. (See Geimer, Anthony P., assignor.)
Hammerstein, Arthur, Palatine, Ill. Implement stand. 2,365,467; Dec. 19.
Hammond Aircraft Company. (See Stevens, Don E., assignor.)
Hanford, William E., and H. B. Stevenson, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Solvolysis of polymeric n-vinylimides and products therefrom. 2,365,340; Dec. 19.
Hansen, Elmer K., Edgewood, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Loading apparatus. 2,365,546; Dec. 19.
Haren, Urban C., and V. H. Hasselquist, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Tire building apparatus. 2,365,341; Dec. 19.
Hart, Don R., near Worthington, Ind. Loading machine. 2,365,635; Dec. 19.
Hartford National Bank and Trust Company, The, trustee. (See Jeans, Arthur F., assignor.)
Hartford National Bank & Trust Company, The, trustee. (See Sipman, Lambertus C., assignor.)
Hasselquist, Victor H. (See Haren, U. C., and Hasselquist.)
Hatch, George B., Pittsburgh, Pa. Washing compositions. 2,365,190; Dec. 19.
Hauser, Richard. (See Johnson, F. D., and Hauser.)
Hausherr, George F., Lynbrook, N. Y. Stereoscopic device. 2,365,547; Dec. 19.
Hauton, Paul S., assignor to Scripto Manufacturing Company, Atlanta, Ga. Container for pencil fillers. 2,365,191; Dec. 19.
Hauton, Paul S., assignor to Scripto Manufacturing Company, Atlanta, Ga. Mechanical pencil. 2,365,548; Dec. 19.
Haynes, Charles L., assignor to C. F. Braun & Co., Alhambra, Calif. Grooving tool. 2,365,549; Dec. 19.
Hazard, Charles S., Andover, N. J., assignor to Neptune Meter Company. Cutoff device for controlling the bulk supply of liquid dispensing apparatus. 2,365,192; Dec. 19.
Hedges, Harry O., Seattle, Wash., assignor to Tabor-Hedges Company, Philadelphia, Pa. Rotary fuel injector. 2,365,636; Dec. 19.
Heidenfelder, Fred A. (See Bicknell, G. R., and Heidenfelder.)
Heinemann, Waldo, Philadelphia, Pa. Electric automatic starter. 2,365,267; Dec. 19.
Heltzel, John N., Warren, Ohio. Expansion joint. 2,365,550; Dec. 19.
Helwig, Edward L., Bristol, assignor to Röhm & Haas Company, Philadelphia, Pa. Shaping thermoplastic domes. 2,365,637; Dec. 19.
Hennion, George F., South Bend, Ind., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Sulphonation of organic compounds. 2,365,638; Dec. 19.
Herbert, Alfred, Limited. (See Lloyd, Arthur H., assignor.)
Hercules Powder Company. (See Bitting, C. D., and Lawrence, assignors.)
Hercules Powder Company. (See Stern, Raphael L., assignor.)
Herminte, Louis A., LaCourneuve, France; vested in the Alien Property Custodian. Device for starting gas turbine motor plants. 2,365,551; Dec. 19.
Herold, Walter F., Easton, assignor to The Bassick Company, Bridgeport, Conn. Tilting chair mounting. 2,365,468; Dec. 19.
Herter, Edward J., Jr., Ridgewood, assignor to Metal Textile Corporation, West Orange, N. J. Protective covering or jacketing means. 2,365,268; Dec. 19.
Hey, Henry W., Richmond, Va., and J. G. Ingres, Detroit, Mich., assignors to Hill Engineering Corporation, Richmond, Va. Clutch control mechanism. 2,365,469; Dec. 19.
High Standard Manufacturing Corporation, The. (See Swebilius, Carl G., assignor.)
Higley, Frank R., Cleveland Heights, assignor to The Bryant Heater Company, Cleveland, Ohio. Fire pot block. 2,365,193; Dec. 19.
Hill Engineering Corporation. (See Hey, H. W., and Ingres, assignors.)
Hill Engineering Corporation. (See Ingres, Jeannot G., assignor.)
Hill, Frank L., Cherry Valley, Ill. Mono-ball bearing. 2,365,552; Dec. 19.
Hill, Jerald E., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Analysis with radioactive material. 2,365,553; Dec. 19.
Hill, Stanley E., East Moline, assignor to Deere & Company, Moline, Ill. Cutterhead. 2,365,407; Dec. 19.
Hill, Walter L., Jr., administrator. (See Hill, Walter L.)
Hill, Walter L., deceased, Scranton, Pa.; Walter L. Hill, Jr., administrator. Coffee maker. 2,365,269; Dec. 19.
Hilliard, Robert C., Arlington, and W. V. Smith, Salem, Mass., assignors to Sylvania Electric Products Inc. Electric gaseous discharge device. 2,365,342; Dec. 19.
Hillyer, Laurence A., Alice, Tex. Saw equipment for tractors. 2,365,408; Dec. 19.
Hirsch, Paul A. (See Hodson, F., and Hirsch.)
Hodson, Frank, Elmhurst, and P. A. Hirsch, assignors to American Ore Reduction Corporation, New York, N. Y. Reducing ores. 2,365,194; Dec. 19.
Hoffman, Dave E., Los Angeles, and G. Throne, Venice, assignors to North American Aviation, Inc., Los Angeles, Calif. Bomb rack. 2,365,409; Dec. 19.
Hohman, Robert F., assignor to Merrick Scale Mfg. Company, Passaic, N. J. Apparatus for feeding material at a constant rate. 2,365,270; Dec. 19.
Holbrown, George M. (See Wibmer, M. D., Atkins, and Holbrown.)
Holihan, Irving T., and W. H. Davis, Waterbury, Conn. Atomizer head. 2,365,195; Dec. 19.
Holley, Earl, et al. (See Udale, Stanley M., assignor.)
Holley, George M., et al. (See Udale, Stanley M., assignor.)
Holleyhead, Armel S., assignor to In-A-Seal Safe Corporation, New York, N. Y. Locking device for safes. 2,365,343; Dec. 19.
Hollingshead, R. M., Corporation. (See Bagley, T. J., and Levin, assignors.)
Holmes, Harrison H., Woodbury, N. J., and W. E. Lawson, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Oil well filter. 2,365,639; Dec. 19.
Holmes, Herbert G., Lansing, Mich., assignor to Food Machinery Corporation, San Jose, Calif. Headlight testing apparatus. 2,365,410; Dec. 19.
Home Curtain Corp. (See Topliss, Norman, assignor.)
Honegger, John A., assignor to Specialties Manufacturing Company, Bloomfield, N. J. Lathe attachment. 2,365,196; Dec. 19.

Hornbostel, Lloyd, assignor to Beloit Iron Works, Beloit, Wis. Drier drum. 2,365,271; Dec. 19.
Hornkem Corporation. (See Daniel, Friedrich K., assignor.)
Houdaille-Hershey Corporation. (See Sebok, Joseph B., assignor.)
Hughes, Walter J., assignor to Infilco Incorporated, Chicago, Ill. Filter distributor seal. 2,365,272; Dec. 19.
Huyser, Francis C. (See Lyon, S. W., and Huyser.)
Illmer, Louis, and V. R. Pallas, Cortland, N. Y.; said Pallas, assignor to L. T. Pallas. Grinder head appurtenance. 2,365,640; Dec. 19.
Imperial Chemical Industries Limited. (See Bremner, J. G. M., and McNeil, assignors.)
In-A-Seal Safe Corporation. (See Holleyhead, Armel S., assignor.)
Infilco Incorporated. (See Hughes, Walter J., assignor.)
Ingres, Jeannot G. (See Hey, H. W., and Ingres.)
Ingres, Jeannot G., Detroit, Mich., assignor to Hill Engineering Corporation, Richmond, Va. Clutch control mechanism. 2,365,470; Dec. 19.
Ingres, Jeannot G., Detroit, Mich., assignor to Automatic Shifters, Inc., Richmond, Va. Brake operating mechanism. 2,365,471; Dec. 19.
Inland Container Corporation. (See Ferguson, Kenneth C., assignor.)
Interchemical Corporation. (See Green, Henry, assignor.)
Interchemical Corporation. (See Swain, Raymond A., assignor.)
International Nickel Company, The. (See Pilling, N. B., and Wesley, assignors.)
International Standard Electric Corporation. (See Deloraine, Edmond M., assignor.)
International Standard Electric Corporation. (See Jacobsen, Bent B., assignor.)
International Standard Electric Corporation. (See McLarn, Ernest S., assignor.)
International Standard Electric Corporation. (See New, A. A., Foord, and Beckwith, assignors.)
Jacobs, Theodor. (See Orthner, L., and Jacobs.)
Jacobsen, Bent B., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Electric carrier wave signaling system. 2,365,472; Dec. 19.
Jacobsson, Wilgot J., Plainfield, N. J., assignor to Union Carbide and Carbon Corporation. Deseaming apparatus. 2,365,411; Dec. 19.
James, Thomas S. (See Young, L. W., James, and Rountree.)
Janes, Russell G., La Grange, Ill., assignor to General Motors Corporation, Detroit, Mich. Prime mover control system. 2,365,412; Dec. 19.
Janotta, Marie M. (See Kay, William H., assignor.)
Jenns, Arthur F., London, England, assignor to The Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Apparatus for controlling the load on an X-ray tube. 2,365,554; Dec. 19.
Jenkins Bros. (See Gora, Henry Z., assignor.)
Jenkins, Cecil. (See Woolslayer, H. J., Campbell, and Jenkins.)
Jennings, Charles H. (See White, A. B., and Jennings.)
Jerome, Arthur L., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical control apparatus. 2,365,641; Dec. 19.
Jesionowski, Raymond S. (See Bailey, J., and Jesionowski.)
Johansson, Sven G., Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Combined testing and working fixture. 2,365,273; Dec. 19.
Johnson, Floyd D., Forest Hills, and R. Hauser, Wilkinsburg, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit controlling device. 2,365,555; Dec. 19.
Johnson, John A., Woodhaven, N. Y. Spool making apparatus. 2,365,274; Dec. 19.
Jones, Homer W., Westfield, N. J., assignor to The Linde Air Products Company. Blowpipe machine. 2,365,275; Dec. 19.
Judge, Thomas J., assignor to General Railway Signal Company, Rochester, N. Y. Railway switch lock control system. 2,365,344; Dec. 19.
Kahlisch, Gustav. (See Reiners, W., Kahlisch, and Fürst.)
Kahn, David, Englewood, and J. W. Para, Elizabeth, assignors to David Kahn, Inc., North Bergen, N. J. Writing instrument assemblage. 2,365,473; Dec. 19.
Kahn, David, Inc. (See Kahn, D., and Para, assignors.)
Kapella Limited. (See Reason, Richard E., assignor.)
Karg, Frank G., Chicago, Ill. Prophylactic package. 2,365,556; Dec. 19.
Kay, William H., assignor of one-half to M. M. Janotta, Columbus, Ohio. Knurling tool. 2,365,197; Dec. 19.
Keating, Herbert S., North Plainfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Material handling apparatus. 2,365,277; Dec. 19.
Keene, Samuel I. (See Seitz, John G., assignor.)
Keith, Glenn, East Detroit, Mich. Multiple means for applying brakes. 2,365,557; Dec. 19.
Kellett Aircraft Corporation. (See Prewitt, Richard H., assignor.)
Kellogg, Edward W., and G. L. Dimmick, Indianapolis, Ind., assignors to Radio Corporation of America. Traffic transportation signaling system. 2,365,474; Dec. 19.
Kelly, William M., Westfield, N. J. Printing press. 2,365,278; Dec. 19.
Kharasch, Morris S., Chicago, Ill., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of mercaptans. 2,365,561; Dec. 19.
Kinetic Chemicals, Inc. (See Benning, A. F., Downing, and Plunkett, assignors.)
King, George E., Wilkinsburg, Pa., and O. G. Rutemiller, Cincinnati, Ohio, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Control for machine tools. 2,365,558; Dec. 19.
Kingsbury, Franklin L., Old Farm Village, N. J., and C. L. Schmidt, Webster Groves, Mo., assignor to National Lead Company, New York, N. Y. Treating calcium sulphate pigments. 2,365,559; Dec. 19.
Kingsbury, Franklin L., Rumson, and F. J. Schultz, Fords, N. J., assignors to National Lead Company, New York, N. Y. Treating calcium sulphate pigments. 2,365,560; Dec. 19.
Kipper, Herman B., Accord, Mass. Dehydrogenation of gaseous and liquid hydrocarbons. 2,365,413; Dec. 19.
Kirby, James E., and D. W. Woodward, assignors, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. N-substituted aminonaphthol dye intermediates. 2,365,345; Dec. 19.
Klein, Isidore, New York, N. Y. Dental mounting device. 2,365,475; Dec. 19.
Knoop, Walter A., Jr., Packanack Lake, and L. F. Cramer, Wayne, assignors to Allen B. DuMont Laboratories, Inc., Passaic, N. J. Electronic switch and rectangular wave generator. 2,365,476; Dec. 19.
Koch, Albert. (See Gartner, E., and Koch.)
Koehring, Roland P., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Making porous metal bearings. 2,365,562; Dec. 19.
Koppers Company. (See Dorfan, Morton I., assignor.)
Kork-N-Seal Limited. (See Marek, Anthony J., assignor.)
Kraft, Herman T., assignor to The General Tire & Rubber Company, Akron, Ohio. Pneumatic track. 2,365,279; Dec. 19.
Krueger, Alfred P., Stratford, assignor to Derby Sealers, Incorporated, Derby, Conn. Tape-serving mechanism. 2,365,477; Dec. 19.
Krueper, Harry J., Los Angeles, Calif. Form tie assembly for concrete construction. 2,365,563; Dec. 19.
Kruh, Osias, Brooklyn, N. Y. Apparatus for manufacturing metals. 2,365,346; Dec. 19.
Kruse, Edward H., Fort Wayne, Ind. Fishing apparatus. 2,365,414; Dec. 19.
Kruse, Edward H., Fort Wayne, Ind. Scull for boats. 2,365,415; Dec. 19.
Kühne, Walther, Mannheim, Germany; vested in the Alien Property Custodian. Production of light sensitive photographic material. 2,365,416; Dec. 19.
Kusman, David, Brussels, Belgium; vested in the Alien Property Custodian. Manufacturing sodium cyanide. 2,365,417; Dec. 19.
La Grotta, Frank, New York, N. Y., assignor to Conver Steel & Wire Co. Incorporated. Wall clip. 2,365,478; Dec. 19.
Lahm, David E., New York, N. Y. Garment shoulder foundation construction. 2,365,280; Dec. 19.
Lambert, Harry L., Enfield, assignor, by mesne assignments, to W. J. Pickering, New York, N. Y. Variable circuit controller. 2,365,642; Dec. 19.
Lamsa, George M., Philadelphia, Pa. Protective headgear. 2,365,656; Dec. 19.
Lane-Wells Company. (See Barnes, Charles H., assignor.)
Lang, Joseph W., Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Dispersible compositions. 2,365,479; Dec. 19.
Langer, Bernard F., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Torque measuring device for shafts. 2,365,564; Dec. 19.
Langer, Bernard F., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Power measuring system for rotating shafts. 2,365,565; Dec. 19.
Langer, Nicholas, New York, N. Y., assignor to Central Commercial Company, Chicago, Ill. Duophonic electrical musical instrument. 2,365,566; Dec. 19.
Langer, Nicholas, New York, N. Y., assignor to Central Commercial Company, Chicago, Ill. Musical instrument. 2,365,567; Dec. 19.
Langer, Nicholas, New York, N. Y., assignor to Central Commercial Company, Chicago, Ill. Signaling system. 2,365,568; Dec. 19.
Larmuth, Allin, Broad Oak Park, Worsley, England. Apparatus for detaching the edges of sheet paper and like materials. 2,365,569; Dec. 19.
Lawrence, Robert W. (See Bitting, C. D., and Lawrence.)
Lawson, Walter E. (See Holmes, H. H., and Lawson.)
Lear Avia, Inc. (See Lear, William P., assignor.)
Lear, William P., assignor to Lear Avia, Inc., Piqua, Ohio. Radio direction indicator system. 2,365,347; Dec. 19.
Lee, Roger K., Highland Park, assignor to American Seating Company, Grand Rapids, Mich. Chair. 2,365,570; Dec. 19.
Le Fevre, Leopold J., Point Piper, New South Wales, Australia. Pump for pumping water, oil, or other liquids from wells and the like. 2,365,281; Dec. 19.
Lehrman, Leo A., assignor to American Steel Foundries, Chicago, Ill. Truck. 2,365,198; Dec. 19.

Lester Engineering Company. (See Lester, N., and Schwartz, assignors.)
Lester, Nathan, Shaker Heights, and W. H. Schwartz, Cleveland, assignors to Lester Engineering Company, Cleveland, Ohio. Pressure casting machine injection pressure control. 2,365,282; Dec. 19.
Levin, David. (See Bagley, T. J., and Levin.)
Levine, Irving E. (See Schultz, T. H., Levine, and Wellman.)
Light, David M., assignor to American Steel Foundries, Chicago, Ill. Truck. 2,365,199; Dec. 19.
Lillquist, Torsten O., Clarendon Hills, Ill., assignor to General Motors Corporation, Detroit, Mich. Automatic transition control for generating electric tractor systems. 2,365,418; Dec. 19.
Linde Air Products Company, The. (See Jones, Homer W., assignor.)
Linde Air Products Company, The. (See Miller, Alfred J., assignor.)
Linde Air Products Company, The. (See Young, L. W., James, and Rountree, assignors.)
Livingston, Harold A., Hollywood, Calif. Perpetual inventory device. 2,365,283; Dec. 19.
Lloyd, Arthur H., assignor to Alfred Herbert Limited, Coventry, England. Actuation of change-speed gearing, particularly for machine tools. 2,365,571; Dec. 19.
Lockheed, Allan H., Grand Rapids, Mich. Tension indicating wrench. 2,365,419; Dec. 19.
Löpp, Edmund, E. Zinke, and H. Berger, Berlin, Germany; vested in the Alien Property Custodian. Ultrashort wave tube. 2,365,420; Dec. 19.
Lord, Hugh C., assignor to Lord Manufacturing Company, Erie, Pa. Resilient mounting. 2,365,421; Dec. 19.
Lord Manufacturing Company. (See Lord, Hugh C., assignor.)
Lorenz, Anton, Chicago, Ill. Adjustable chair. 2,365,200; Dec. 19.
Lubri Zol Corporation, The. (See Prutton, C. F., Smith, and Frey, assignors.)
Ludwell, Frederick R., assignor to E. D. Bullard Company, San Francisco, Calif. Suspension mounting for safety headgear. 2,365,422; Dec. 19.
Lustrik, Peter, Cleveland, Ohio. Tool post. 2,365,572; Dec. 19.
Lyon, Stuart W., Moline, and F. C. Huyser, East Moline, Ill., assignors to American Machine and Metals, Inc., New York, N. Y. Hardness tester. 2,365,348; Dec. 19.
MacManus, John, Yonkers, assignor to Cushman's Sons, Inc., New York, N. Y. Manufacture of coffee rings. 2,365,349; Dec. 19.
MacSporran, Charles, Detroit, Mich., assignor to Phillips Petroleum Company. Valve. 2,365,423; Dec. 19.
Magnaflux Corporation. (See de Forest, Taber and A. V., assignors.)
Mänken, Wilhelm, and O. Uhlmann, Waren, near Berlin, Germany; vested in the Alien Property Custodian. Press for making workpieces tapering in longitudinal direction. 2,365,482; Dec. 19.
Man-Sew Pinking Attachment Corp. (See Sigoda, Victor J., assignor.)
Marchant Calculating Machine Company. (See Avery, Harold T., assignor.)
Marek, Anthony J., Blackheath Park, assignor of one-half to Kork-N-Seal Limited, London, England. Producing bottle closures. 2,365,350; Dec. 19.
Marek, William E., assignor to Connelly Iron Sponge & Governor Co., Chicago, Ill. Making ferric hydrate. 2,365,202; Dec. 19.
Margolin, Meyer, Elgin, Ill. Composite insert for insoles. 2,365,203; Dec. 19.
Marinsky, Davis. (See Morin, Louis H., assignor.)
Martin, Alfred M., Park Ridge, Ill. Loose-leaf binder. 2,365,643; Dec. 19.
Martin, Edgar E. (See Grahman, F. M., and Martin.)
Martin, Erle, West Hartford, and N. R. Richmond, Thompsonville, assignors to United Aircraft Corporation, East Hartford, Conn. Multispeed governor. 2,365,204; Dec. 19.
Martin, James V., Hempstead, N. Y. Wave riding speed vessel. 2,365,205; Dec. 19.
Mathieson Alkali Works, Inc., The. (See Ferrari, Charles G., assignor.)
Matje, Herbert J., West Allis, Wis. Water supply system for passenger cars. 2,365,644; Dec. 19.
Matter, Albert J., Park Ridge, assignor to Crane Packing Company, Chicago, Ill. Fluid seal. 2,365,351; Dec. 19.
Matthews, Louis L., assignor to Maxson Automatic Machinery Company, Westerly, R. I. Counting and marking machine. 2,365,645; Dec. 19.
Maxson Automatic Machinery Company. (See Matthews, Louis L., assignor.)
Maxwell, Donald E., Scotia, N. Y., assignor to General Electric Company. Electron discharge amplifier. 2,365,575; Dec. 19.
McArthur, Donald A., assignor to The Wean Engineering Company, Inc., Warren, Ohio. Apparatus for polishing coated sheet metal. 2,365,480; Dec. 19.
McDill, Rex D., assignor to Thompson Products Incorporated, Cleveland, Ohio. Making evacuated valves. 2,365,285; Dec. 19.
McClelland, Robert T., Mobile, Ala. Remote control mechanism. 2,365,284; Dec. 19.
McGay, John B., Tulsa, Okla. Measuring pressure differentials. 2,365,573; Dec. 19.
McGill Manufacturing Company. (See Storz, Otto, assignor.)
McKahin, John D., La Crosse, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Planter. 2,365,201; Dec. 19.
McLarn, Ernest S., Manhasset, assignor to International Standard Electric Corporation, New York, N. Y. Wall telephone subset. 2,365,481; Dec. 19.
McNeil, Donald. (See Bremner, J. G. M., and McNeil.)
McWane, Arthur T., Birmingham, Ala., assignor to McWane Cast Iron Pipe Company. Pipe joint. 2,365,574; Dec. 19.
McWane East Iron Pipe Company. (See McWane, Arthur T., assignor.)
Meaker, John W., Evanston, and E. H. Yonkers, Jr.; said Yonkers, Jr., assignor to said Meaker. Electroperforator. 2,365,576; Dec. 19.
Mercier, Jean, Neuilly-sur-Seine, France; vested in the Alien Property Custodian. Automatic locking device for undercarriages. 2,365,424; Dec. 19.
Merck & Co. (See Tishler, Max, assignor.)
Merco-Trinkle Machine Co. (See Trinkle, Dallas R., assignor.)
Merrick Scale Mfg. Company. (See Hohman, Robert F., assignor.)
Meschter, Emery, Milltown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Color development. 2,365,206; Dec. 19.
Metal Textile Corporation. (See Herter, Edward J., Jr., assignor.)
Miller, Alfred J., Garwood, N. J., assignor to The Linde Air Products Company. Blowpipe machine. 2,365,276; Dec. 19.
Miller, Helmuth P., Milwaukee, Wis. Pin punch. 2,365,425; Dec. 19.
Millers Falls Company. (See Shortell, William H., assignor.)
Mine Safety Appliances Company. (See Yant, W. P., and Strange, assignors.)
Mode, Walter F., Cheam, England, assignor to Traughber Engineering Company, Cleveland, Ohio. Separation of fine particles from gases by the aid of a washing liquid. 2,365,483; Dec. 19.
Moffitt, Roy M., assignor to Reichel & Drews, Inc., Chicago, Ill. Method and apparatus for drying and cooling roofing and similar material. 2,365,352; Dec. 19.
Moles, Frank J., Schenectady, N. Y., assignor to General Electric Company. High-frequency thermocouple. 2,365,207; Dec. 19.
Molique, Lawrence G., Bartlesville, Okla., assignor to Phillips Petroleum Company. Hydrocarbon conversion process. 2,365,426; Dec. 19.
Monsanto Chemical Company. (See Foster, Robert N., assignor.)
Monsanto Chemical Company. (See Schilb, Theodore W., assignor.)
Moore, Frederick T., deceased, West Hartford, by Phoenix State Bank and Trust Company, administrator, assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn. Feed mechanism for machine guns. 2,365,484; Dec. 19.
Moore, Lee C., & Company. (See Woolslayer, H. J., Campbell, and Jenkins, assignors.)
Moore, Stephen A., Roanoke, Va. Projectile. 2,365,577; Dec. 19.
Moore, Walter B., Coshocton, Ohio. Film developing rack. 2,365,485; Dec. 19.
Moore, William D., assignor to American Cast Iron Pipe Company, Birmingham, Ala. Protective coating or lining for metal objects. 2,365,427; Dec. 19.
Morin, Louis H., assignor of one-half to D. Marinsky, Bronx, N. Y. Tandem slider units. 2,365,578; Dec. 19.
Morris, Alan, Nichols, assignor to Bridgeport Brass Company, Bridgeport, Conn. Manufacture of copper base alloy products. 2,365,208; Dec. 19.
Morris, Edward M., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Measuring instrument. 2,365,353; Dec. 19.
Morris, Harry P., Coronado, Calif. Set torque wrench. 2,365,486; Dec. 19.
Morton, Brayton, trustee. (See Carter, William W., assignor.)
Moseley, John, Ruislip, and W. P. V. Gebbie, Perivale, assignors to Compoflex Company Limited, Teddington, Middlesex, England. Flexible tubing. 2,365,286; Dec. 19.
Moule, Rex E. (See Geyer, H. D., and Moule.)
Mulligan, Walter J., San Mateo, Calif. Prefabricated building structure. 2,365,579; Dec. 19.
Murcek, Slavo J., Duquesne, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Ceiling level monitor. 2,365,580; Dec. 19.
Muros, Joseph, Cambridge, assignor to Gillette Safety Razor Company, Boston, Mass. Safety razor blade and manufacturing the same. 2,365,581; Dec. 19.
Muros, Joseph, Cambridge, assignor to Gillette Safety Razor Company, Boston, Mass. Safety razor and magazine. 2,365,582; Dec. 19.
Murray, Royal H., assignor to Western Electrical Instrument Corporation, Newark, N. J. Bimetallic thermometer. 2,365,487; Dec. 19.

Muskat, Morris, Oakmont, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Recovery of oil from oil fields. 2,365,428; Dec. 19.

Muske, Franz, Bremen-Sebaldsbruck, Germany; vested in the Alien Property Custodian. Stapling machine. 2,365,429; Dec. 19.

Musselman, John M., South Euclid, assignor to The Standard Oil Company, Cleveland, Ohio. Beneficiated mineral oils. 2,365,209; Dec. 19.

Nagel, George W., Catonsville, and M. A. Schultz, Baltimore, Md., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Frequency-dividing circuit. 2,365,583; Dec. 19.

Nalle, Charles R., Philadelphia, Pa. Adjustable caster. 2,365,287; Dec. 19.

Nash-Kelvinator Corporation. (See Armstrong, George M., assignor.)

Nash-Kelvinator Corporation. (See Wahlberg, Nils E., assignor.)

Nasmith, John W., Heaton Mersey, Manchester, England. Combing machine for textile fibers. 2,365,210; Dec. 19.

National Carbon Company. (See Smith, Ralph R., assignor.)

National Lead Company. (See Dittmer, Joseph C., assignor.)

National Lead Company. (See Kingsbury, F. L., and Schmidt, assignors.)

National Lead Company. (See Kingsbury, F. L., and Schultz, assignors.)

National Lead Company. (See Schorger, Arlie W., assignor.)

National Lead Company. (See Stewart, A., and Willihnganz, assignors.)

National Oil Products Company. (See Price, D., and Griffith, assignors.)

National Oil Products Company. (See Schaaf, K. H., and Pickel, assignors.)

National Oil Products Company. (See Segessemann, Ernest, assignor.)

Naul, James M., Fanwood, N. J. Telemetering instrument. 2,365,430; Dec. 19.

Naul, James M., Fanwood, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Centrifugal motor speed governor having inertia effect. 2,365,657; Dec. 19.

Nelson, Adolph, near Las Animas, Colo. Ship repair patch. 2,365,488; Dec. 19.

Neptune Meter Company. (See Hazard, Charles S., assignor.)

New, Archibald A., S. G. Foord, and D. R. Beckwith, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Electric insulating material. 2,365,646; Dec. 19.

Newswanger, Paul S., near Lancaster, Pa. Grinding or polishing machine. 2,365,584; Dec. 19.

Nickle, Ferril R. (See Silverstein, A., and Nickle.)

North American Aviation, Inc. (See Hoffman, D. E., and Throne, assignors.)

Northwestern Steel and Wire Company. (See Bradley, Albert F., assignor.)

Novick, Abraham, Flushing, assignor to F. L. Smithe Machine Co., Inc., New York, N. Y. Envelope machine. 2,365,211; Dec. 19.

Ogburn, Bobbie G., et al. (See Ogburn, Herbert H., assignor.)

Ogburn, Herbert H., assignor of one-half to B. G. Ogburn, one-fourth to J. Ogburn, and one-fourth to S. Ogburn, Greensboro, N. C. Suturing instrument. 2,365,647; Dec. 19.

Ogburn, Jean, et al. (See Ogburn, Herbert H., assignor.)

Ogburn, Sally, et al. (See Ogburn, Herbert H., assignor.)

Oriol, Ramón, Manila, P. I.; vested in the Alien Property Custodian. Stereoscopic motion picture device. 2,365,212; Dec. 19.

Orthner, Ludwig, Frankfort-on-the-Main, and T. Jacobs, Weisbaden, Germany; vested in the Alien Property Custodian. Preparing n-monochlorination products of high-molecular fatty acid amides. 2,365,431; Dec. 19.

Pabst Brewing Company. (See Cunningham, Donald F., assignor.)

Packtor, Bernard M., Springfield, Mass. Stripping machine. 2,365,213; Dec. 19.

Page, Ronald. (See Groombridge, W. H., and Page.)

Pallas, Leota T. (See Illmer, L., and (Pallas, assignor).)

Pallas, Vernon R. (See Illmer, L., and Pallas.)

Pankonin, William G. (See Schaefer, Frank M., assignor.)

Para, John W. (See Kahn, D., and Para.)

Partridge, Everett P., Beaver, Pa., assignor to Hall Laboratories, Inc., Pittsburgh, Pa. Well-drilling mud. 2,365,489; Dec. 19.

Pask, Stanley J., Long Island City, assignor to Grant Positype Corporation, New York, N. Y. Apparatus for cutting strips. 2,365,288; Dec. 19.

Patasnik, Charles, Chicago, Ill. Fabric mending device. 2,365,432; Dec. 19.

Paxman, Dalton G., Oakland, Calif. Nursing bottle. 2,365,585; Dec. 19.

Pearson, John H., Lowell, Mass. Grenade magazine attachment for service rifles. 2,365,586; Dec. 19.

Penn Electric Switch Co. (See Anderson, August P., assignor.)

Penn Electric Switch Co. (See Shaw, Burton E., assignor.)

Penn Electric Switch Co. (See Shaw, B. E., and Rothwell, assignors.)

Pennington, Gordon R., Bloomfield Hills, assignor to Chrysler Corporation, Highland Park, Mich. Fabricating fluid power transmitters. 2,365,354; Dec. 19.

Pennow, Willis A., Cleveland, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Lighting apparatus. 2,365,587; Dec. 19.

Petty, Olive S., San Antonio, Tex. Seismic surveying. 2,365,289; Dec. 19.

Petty, William E., Altoona, Iowa. Hen nest. 2,365,355; Dec. 19.

Petzinger, Ambrose J., Paterson, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electrical measuring device. 2,365,588; Dec. 19.

Phillips Petroleum Company. (See MacSporran, Charles, assignor.)

Phillips Petroleum Company. (See Molique, Lawrence G., assignor.)

Phoenix State Bank and Trust Company, administrator. (See Moore, Frederick T.)

Pickel, Frank D. (See Schaaf, K. H., and Pickel.)

Pickering, Walter J. (See Lambert, Harry L., assignor.)

Pieron, Rudolph W., Beaver Dam, Wis. Outboard motor steering device. 2,365,490; Dec. 19.

Pilling, Norman B., Westfield, and A. Wesley, Plainfield, N. J., assignors to The International Nickel Company, Inc., New York, N. Y. Nickel electroflake pigment. 2,365,356; Dec. 19.

Plax Corporation. (See Bailey, James, assignor.)

Plax Corporation. (See Bailey, J., and Jesionowski, assignors.)

Plunkett, Roy J. (See Benning, A. F., Downing, and Plunkett.)

Polizzi, Joseph R., Los Angeles, Calif. Lock nut. 2,365,433; Dec. 19.

Poston, Howard R., Bridge, and P. C. Felkel, Myrtle Point, Oreg. Load weighing device for vehicles. 2,365,589; Dec. 19.

Powers, Paul O., Manheim Township, Lancester County, assignor to Armstrong Cork Company, Lancaster, Pa. Cold-molding composition. 2,365,491; Dec. 19.

Pratt, Wentworth M., Los Angeles, Calif. Fluid-treating apparatus. 2,365,492; Dec. 19.

Prewitt, Richard H., Lansdowne, Pa., assignor to Kellett Aircraft Corporation. Aircraft having rotating blades or wings. 2,365,357; Dec. 19.

Price, Donald, New York, N. Y., and R. Griffith, Little Silver, assignors to National Oil Products Company, Harrison, N. J. Nitric acid oxidation of fatty materials. 2,365,290; Dec. 19.

Process Engineering Corporation. (See Fischer, William H., assignor.)

Prutton, Carl F., Cleveland Heights, A. K. Smith, Shaker Heights, and D. R. Frey, East Cleveland, assignors to The Lubri-Zol Corporation, Cleveland, Ohio. Stabilizing agents for hydrocarbon compositions and the like. 2,365,291; Dec. 19.

Puett Electrical Starting Gate Corporation. (See Whann, Jesse P., assignor.)

Pure Oil Company, The. (See Bell, Richmond T., assignor.)

Pure Oil Company, The. (See Bond, Donald C., assignor.)

Radio Corporation of America. (See Bliss, Warren H., assignor.)

Radio Corporation of America. (See Kellogg, E. W., and Dimmick, assignors.)

Radtke, Paul T., Cottage Grove, Oreg. Container vent. 2,365,590; Dec. 19.

Ranney, Leo, McConnelsville, Ohio. Producing oil from viscous deposits. 2,365,591; Dec. 19.

Reason, Richard E., assignor to Kapella Limited, Leicester, England. Electrical measuring apparatus. 2,365,592; Dec. 19.

Rector, Jacquelin D., San Leandro, Calif. Coconut meat extractor. 2,365,358; Dec. 19.

Reed Roller Bit Company. (See Hamaker, Rex G., assignor.)

Reichel & Drews, Inc. (See Moffitt, Roy M., assignor.)

Reiners, Wilhelm, Gladbach-Rheydt, G. Kahlisch, Rheydt, and S. Fürst, Gladbach-Rheydt, Germany; vested in the Alien Property Custodian. Traversing means for winding machines. 2,365,434; Dec. 19.

Reissner, Hans, Chicago, Ill. Screw propeller, particularly for aircraft. 2,365,214; Dec. 19.

Rhodes, John C., Wyncote, Pa. Detergent composition. 2,365,215; Dec. 19.

Richardson, Clarence L., Jr., Carney's Point, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Purification of p-phenetidine. 2,365,493; Dec. 19.

Richardson Company, The. (See Dillehay, Edward R., assignor.)

Richardson, Fred. (See Friend, J. M., and Richardson.)

Richmond, Nelson R. (See Martin, E., and Richmond.)

Riegger, Paul, Villingen Schwarzwald, Germany; vested in the Alien Property Custodian. Indicating means for taximeters. 2,365,435; Dec. 19.

Rights, Herbert T., Verona, and H. L. Bernarde, Union, N. J., and F. J. Altman, Drew Field, Fla., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric gauge. 2,365,593; Dec. 19.

Riley, Frederick. (See Bartle, R. E., and Riley.)

Robinson, Merrill P. (See Sebald, J. F., Robinson, and Wood.)

Robinson, Merrill P., Upper Montclair, assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Water treating apparatus. 2,365,293; Dec. 19.

Roeder, Erwin O., Ebenezer, assignor to Spencer Lens Company, Buffalo, N. Y. Microscope. 2,365,594; Dec. 19.

Roemer, George R., Mount Lebanon, Pa. Art of rolling rods. 2,365,216; Dec. 19.

Rogers, Charles A., Detroit, Mich. Making butter. 2,365,217; Dec. 19.

Rogers, Orville R., Dayton, Ohio. Electrical indicating and measuring apparatus. 2,365,218; Dec. 19.

Röhm & Haas Company. (See Helwig, Edward L., assignor.)

Roman, Walter G., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Spark gap device. 2,365,595; Dec. 19.

Roodner, Sylvia, New York, N. Y. Slip. 2,365,596; Dec. 19.

Rose, John J., Dayton, Ohio. Flashover prevention means for high-tension ignition apparatus. 2,365,219; Dec. 19.

Rossi, Irving. (See Rossmann, Peter F., assignor.)

Rossman, Peter F., Snyder, N. Y., assignor to I. Rossi, West Orange, N. J. Reaming device. 2,365,648; Dec. 19.

Roth, Frederick J., Hucknall, England. Snowplough. 2,365,597; Dec. 19.

Rothwell, John J. (See Shaw, B. E., and Rothwell, assignors.)

Rountree, John H. (See Young, L. W., James, and Rountree.)

Rubens, Maurice M., assignor to Spokane Stove and Furnace Repair Works, Inc., Spokane, Wash. Hand wheel. 2,365,359; Dec. 19.

Rubin, Herbert, New York, N. Y. Bottle closure. 2,365,598; Dec. 19.

Rutemiller, Oren G. (See King, G. E., and Rutemiller.)

Ruzicka, Leopold, Zurich, Switzerland, assignor, by mesne assignments, to Ciba Pharmaceutical Products, Incorporated, Summit, N. J. Saturated and unsaturated 17-oxy-17-acyl-androstanones and derivatives thereof and process of making same. 2,365,292; Dec. 19.

Sanford, David P., assignor to American Type Founders Incorporated, Elizabeth, N. J. Sheet feeder. 2,365,294; Dec. 19.

Saucier, Lionel H., assignor of one-half to L. A. Cejka, Chicago, Ill. Adjustable angle plate. 2,365,436; Dec. 19.

Schaaf, Kurt H., Jamaica, N. Y., and F. D. Pickel, Newark, assignors to National Oil Products Company, Harrison, N. J. Synthesis of amino acids. 2,365,295; Dec. 19.

Schaefer, Frank M., assignor of one-half to W. G. Pankonin, Chicago, Ill. Mop. 2,365,437; Dec. 19.

Schick Incorporated. (See Verschuyl, Jan, assignor.)

Schlib, Theodore W., Kirkwood, Mo., assignor to Monsanto Chemical Company. Mineral supplement. 2,365,438; Dec. 19.

Schimpf, Marie E., St. Louis, Mo. Inflatable pessary. 2,365,296; Dec. 19.

Schirm, Erik, Dessau, Germany; vested in the Alien Property Custodian. Tanning agents and making them. 2,365,599; Dec. 19.

Schlieben, Ernest W., Scarsdale, and W. Friedman, assignors to York Research Corporation, New York, N. Y. Computer for aircraft load distribution. 2,365,494; Dec. 19.

Schmidt, Charles L. (See Kingsbury, F. L., and Schmidt.)

Schoenfeld, Frank K. (See Alexander, C. H., and Schoenfeld.)

Schorger, Arlie W., Madison, Wis., assignor, by mesne assignments, to National Lead Company. Storage battery paste and making the same. 2,365,600; Dec. 19.

Schultz, Frank J. (See Kingsbury, F. L., and Schultz.)

Schultz, Mortimer A. (See Nagel, G. W., and Schultz.)

Schultz, Thomas H., Richmond, and I. E. Levine and H. B. Wellman, Berkeley, assignors to Standard Oil Company of California, San Francisco, Calif. Preparing improved injection engine fuel. 2,365,220; Dec. 19.

Schulze, Ferdinand. (See Farquhar, B. S., and Schulze.)

Schulze, Kurt, Daligow-Doberitz, Germany; vested in the Alien Property Custodian. Gyroscopic instrument. 2,365,439; Dec. 19.

Schumacher, Fritz, Oberlenningen, Wurttemberg, Germany, assignor to American Voith Contact Co. Inc., New York, N. Y. Apparatus for the removal of water, liquors or other liquids from soaked masses of fibrous materials. 2,365,658; Dec. 19.

Schwartz, William H. (See Lester, N., and Schwartz.)

Schweizer, Ernest, East Orange, N. J., assignor, by mesne assignments, to Celanese Corporation of America. Treatment of plastic material. 2,365,297; Dec. 19.

Scripto Manufacturing Company. (See Hauton, Paul S., assignor.)

Seaman, Charles, Jamaica Estates, N. Y. Method of and apparatus for uniting mesh fabrics. 2,365,495; Dec. 19.

Sebald, Joseph F., Bloomfield, and M. P. Robinson, Upper Montclair, N. J., and H. G. Wood, Bronxville, N. Y., assignors to Worthington Pump and Machinery Corporation, Harrison, N. J. Proportioning apparatus. 2,365,298; Dec. 19.

Sebok, Joseph B., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Air cleaner. 2,365,299; Dec. 19.

Segessemann, Ernest, Newark, assignor to National Oil Products Company, Harrison, N. J. Mixed esters. 2,365,300; Dec. 19.

Seitz, John G., assignor to S. I. Keene, San Francisco, Calif. Firearm. 2,365,440; Dec. 19.

Shafor, Ralph W., assignor to The Dorr Company, Inc., New York, N. Y. Apparatus and conducting ionic exchange operations. 2,365,221; Dec. 19.

Sharples Chemicals Inc. (See Faith, William L., assignor.)

Shaw, Burton E., Bristol, assignor to Penn Electric Switch Co., Goshen, Ind. Sealed trunnion structure. 2,365,649; Dec. 19.

Shaw, Burton E., Bristol, and J. J. Rothwell, Elkhart, assignors to Penn Electric Switch Co., Goshen, Ind. Water valve. 2,365,650; Dec. 19.

Shaw, Charles S., Leland, Miss., assignor to United States of America as represented by the Secretary of Agriculture. Moisture measuring instrument. 2,365,496; Dec. 19.

Shively, James L., Camas, Wash., assignor to Crown Zellerbach Corporation, San Francisco, Calif. Siftproof bag. 2,365,651; Dec. 19.

Shortell, William H., assignor to Millers Falls Company, Greenfield, Mass. Hack saw blade. 2,365,301; Dec. 19.

Shutt, Thomas C., and L. J. Steiner, Detroit, Mich. Grinding apparatus and method. 2,365,302; Dec. 19.

Sigoda, Victor J., Great Neck, assignor to Man-Sew Pinking Attachment Corp., New York, N. Y. Embroidery stitching attachment for sewing machines. 2,365,222; Dec. 19.

Silverstein, Abe, Hampton, Va., and F. R. Nickle, Mountain View, Calif. Cooling system for aircraft. 2,365,223; Dec. 19.

Singer, Grover C., Brownsville, Tex. Incandescent electric lamp and making the same. 2,365,224; Dec. 19.

Singer Manufacturing Company, The. (See Naul, James M., assignor.)

Sipman, Lambertus C., Buenos Aires, Argentina, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electronic indicating device. 2,365,601; Dec. 19.

Slepian, Joseph, Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Oil circuit breaker. 2,365,602; Dec. 19.

Smith, Albert K. (See Prutton, C. F., Smith, and Frey.)

Smith, Charles R., Chicago, Ill. Hopper. 2,365,441; Dec. 19.

Smith, Claude H., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Filter. 2,365,360; Dec. 19.

Smith, John J., Williamson, W. Va. Lamp. 2,365,150; Dec. 19.

Smith, Milton S., Maplewood, N. J., assignor to Buensod-Stacy, Incorporated. Nonfreezing radiator. 2,365,497; Dec. 19.

Smith, Ralph R., Lakewood, Ohio, assignor to National Carbon Company, Inc. Garment bag. 2,365,303; Dec. 19.

Smith, William V. (See Hilliard, R. C., and Smith.)

Smithe, F. L., Machine Co. (See Novick, Abraham, assignor.)

Socony-Vacuum Oil Company. (See Fahnestock, Frank C., assignor.)

Socony-Vacuum Oil Company. (See Waldo, P. G., Goodloe, and Berger, assignors.)

Solomon, Millage L., Los Angeles, Calif. Power apparatus for aligning work. 2,365,151; Dec. 19.

Specketer, Henry W., Alta, Iowa. Trough structure. 2,365,498; Dec. 19.

Specialties Manufacturing Company. (See Honegger, John A., assignor.)

Spencer Lens Company. (See Roeder, Erwin O., assignor.)

Spokane Stove and Furnace Repair Works, Inc. (See Rubens, Maurice M., assignor.)

Square D Company. (See Angst, Walter, assignor.)

Standard Oil Company, The. (See Musselman, John M., assignor.)

Standard Oil Company of California. (See Schultz, T. H., Levine, and Wellman, assignors.)

Stearman Aviation, Inc. (See Stearman, Glenn A., assignor.)

Stearman, Glenn A., assignor to Stearman Aviation, Inc., Enid, Okla. Sandblast turntable. 2,365,152; Dec. 19.

Stearns Magnetic Mfg. Co. (See Stearns, Roswell H., assignor.)

Stearns, Roswell H., Wauwatosa, assignor to Stearns Magnetic Mfg. Co., Milwaukee, Wis. Magnetic separator. 2,365,603; Dec. 19.

Stein, Hall and Company. (See Caesar, George V., assignor.)

Steiner, Louis J. (See Shutt, T. C., and Steiner.)

Stern, Raphael L., South River, N. J., assignor to Hercules Powder Company, Wilmington, Del. Cellulose mixed ester molding composition. 2,365,652; Dec. 19.

Stevens, Don E., assignor to Hammond Aircraft Company, South San Francisco, Calif. Conditioning aluminum material for spot welding. 2,365,153; Dec. 19.

Stevens, Edward W. (See Fischer, H. R., and Stevens.)

Stevenson, Halsey B. (See Hanford, W. E., and Stevenson.)

Stewart, Alexander, Mountain Lakes, N. J., and E. Willihnganz, Baldwin, assignors to National Lead Company, New York, N. Y. Storage battery plates and making the same. 2,365,604; Dec. 19.

Stewart, Robert J., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Conveyer apparatus. 2,365,304; Dec. 19.

Stiffler, Harold F., Medway, Ohio. Daylight printer. 2,365,225; Dec. 19.

Storch, Max H., assignor to H. E. Darr, Bell Harbor, N. Y. Frame for handbags. 2,365,659; Dec. 19.

Storz, Otto, assignor to McGill Manufacturing Company, Valparaiso, Ind. Antifriction bearings. 2,365,154; Dec. 19.

Stout, William H., Portland, Oreg. Back-up bar. 2,365,226; Dec. 19.

Strange, John P. (See Yant, W. P., and Strange.)

Street, Donald T., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Optical apparatus. 2,365,361; Dec. 19.

Strode, Charles E., Osawatomie, Kans. Air brake system for railroad cars. 2,365,155; Dec. 19.

Stromquist, Carl E., Griffith, Ind. Waste heat boiler. 2,365,305; Dec. 19.

Stuer, Joseph, Lawrence, Mass. Magazine loom with feeler at the front of the magazine. 2,365,362; Dec. 19.

Sturm, Milton & Company, et al. (See Burlin, Leslie H., assignor.)

Sturm, Milton B., et al. (See Burlin, Leslie H., assignor.)

Sullivan Machinery Company. (See Curtis, John C., assignor.)

Sullivan Machinery Company. (See Vanderzee, Harry H., assignor.)

Sullivan Machinery Company. (See Wineman, Wade H., assignor.)

Sutter, Erwin L., Sharon, assignor to Tobe Deutschman Corporation, Canton, Mass. Machine for cutting sheet material. 2,365,605; Dec. 19.

Swain, Raymond A., Bellevue, Ky., assignor to Interchemical Corporation, New York, N. Y. Composition for use in graining inks. 2,365,363; Dec. 19.

Swebilius, Carl G., Hamden, assignor to The High Standard Manufacturing Corporation, New Haven, Conn. Self-loading takedown firearm. 2,365,306; Dec. 19.

Swebilius, Carl G., Hamden, assignor to The High Standard Manufacturing Corporation, New Haven, Conn. Self-loading repeating firearm. 2,365,307; Dec. 19.

Swindell-Dressler Corporation. (See Brooke, Frank W., assignor.)

Sylvania Electric Products Inc. (See Hilliard, R. C., and Smith, assignors.)

Sylvania Industrial Corporation. (See Cornwell, Ralph T. K., assignor.)

Sylvester, Walter G., Jersey City, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Scarfing. 2,365,308; Dec. 19.

Tabor-Hedges Company. (See Hedges, Harry O., assignor.)

Talbot, Frank A., Baltimore, Md., assignor of one-half to R. E. Barry, Washington, D. C. High pressure pump. 2,365,309; Dec. 19.

Taylor, Cecil H., assignor to Bendix Aviation Corporation, South Bend, Ind. Constant velocity universal joint. 2,365,606; Dec. 19.

Temple, Robert, Pittsburgh, Pa., assignor to Temple Velocity Equipment, Incorporated, Wilmington, Del. Outlet valve. 2,365,364; Dec. 19.

Temple Velocity Equipment, Incorporated. (See Temple, Robert, assignor.)

Ternstedt Manufacturing Company. (See Cooley, Floyd A., assignor.)

Thomann, Arthur W., Nutley, and G. F. Wislicenus, Summit, assignors to Worthington Pump and Machinery Corporation, Harrison, N. J. Rotor unit. 2,365,310; Dec. 19.

Thompson, Ernest H. (See Bauman, G. C., Bolen, and Thompson.)

Thompson Products, Incorporated. (See Gair, Albert W., assignor.)

Thompson Products, Incorporated. (See McDill, Rex D., assignor.)

Thomsen, Hugo, Washington, D. C. Binder. 2,365,607; Dec. 19.

Throne, Gordon. (See Hoffman, D. E., and Throne.)

Tishler, Max, assignor to Merck & Co., Inc., Rahway, N. J. Isolation of gramicidin. 2,365,409; Dec. 19.

Tobe Deutschman Corporation. (eSe Sutter, Erwin L., assignor.)

Toepfer, Adolph H., Los Angeles, Calif., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric discharge device. 2,365,608; Dec. 19.

Topham, Laurence E., Wenham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Copying lathe. 2,365,311; Dec. 19.

Topliss, Norman, Yonkers, assignor to Home Curtain Corp., New York, N. Y. Netted curtain. 2,365,500; Dec. 19.

Traughber Engineering Company. (See Mode, Walter F., assignor.)

Trico Products Corporation. (See Curtiss, Robert D., assignor.)

Trinkle, Dallas R., Oakland, assignor to Merco-Trinkle Machine Co., San Francisco, Calif. Contouring machine and method. 2,365,365; Dec. 19.

Trogman, William, Chicago, Ill. Receptacle support. 2,365,312; Dec. 19.

Trumbull Electric Manufacturing Company, The. (See Bosch, Lester L., assignor.)

Turco Products, Inc. (See Crowley, Thomas C., assignor.)

Udale, Stanley M., Detroit, Mich., assignor to G. M. and E. Holley. Spark control. 2,365,313; Dec. 19.

Uhlmann, Otto. (See Männken, W., and Uhlmann.)

Union Bag & Paper Corporation. (See Cook, Paul G., assignor.)

Union Carbide and Carbon Corporation. (See Jacobsson, Wilgot J., assignor.)

Union Switch & Signal Company, The. (See Jerome, Arthur L., assignor.)

United Aircraft Corporation. (See Martin, E., and Richmond, assignors.)

United Shoe Machinery Corporation. (See Bazzoni, Lewis J., assignor.)

United Shoe Machinery Corporation. (See Topham, Laurence E., assignor.)

United States, dedicated to the free use of the people in the Territory of. (See Bruce, Wesley G.)

United Steel Barrel Company. (See Dodson, Howard W., assignor.)

Universal Buyers, Inc. (See Burmeister, Robert M., assignor.)

Universal Oil Products Company. (See Gerhold, Clarence G., assignor.)

Unterberg, Charles, Osborn, Ohio. Engine operation analyzer. 2,365,227; Dec. 19.

Vandercook, George A., Jackson, Mich. Dishwasher. 2,365,367; Dec. 19.

Vanderzee, Harry H., Michigan City, Ind., assignor to Sullivan Machinery Company. Chain. 2,365,228; Dec. 19.

Vanderzee, Harry H., Michigan City, Ind., assignor to Sullivan Machinery Company. Pivoted link chain. 2,365,229; Dec. 19.

Verschuyl, Jan, Darien, assignor to Schick Incorporated, Stamford, Conn. Electric shaver. 2,365,368; Dec. 19.

Viehweger, August, assignor to Grand Rapids Hardware Company, Grand Rapids, Mich. Sash balance. 2,365,156; Dec. 19.

Volf, Christian A., Los Angeles, Calif. Vented parachute with cone. 2,365,230; Dec. 19.

Von Rotz, Robert, Manhasset, N. Y. Hydraulic power transmission for presses. 2,365,157; Dec. 19.

Wahlberg, Nils E., Chicago, Ill., assignor to Nash-Kelvinator Corporation, Kenosha, Wis. Automotive running gear. 2,365,609; Dec. 19.

Waldo, Pharez G., Wenonah, and P. M. Goodloe, and H. G. Berger, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Separation of sulphonic acids. 2,365,653; Dec. 19.

Wallick, Charles E., Denver, Colo. Cartridge box filling device. 2,365,158; Dec. 19.

Walstrom, Emil A., assignor to Builders Safety Products, Inc., St. Louis Park, Minn. Builder's safety plate bracket unit. 2,365,501; Dec. 19.

Walton, Richard R., Wellesley, and D. G. Greenlie, Waltham, Mass., assignors of one-half to Container Corporation of America, Chicago, Ill., and one-half to Dewey & Almy Chemical Company, Cambridge, Mass. Container. 2,365,159; Dec. 19.

War, United States of America, represented by the Secretary of. (See Wilson, Charles N., assignor.)

Waxide Paper Company. (See Bender, Robert W., assignor.)

Wean Engineering Company, The. (See McArthur, Donald A., assignor.)

Weesner, Lehn W., Cincinnati, Ohio. Fishing lure and manufacture. 2,365,502; Dec. 19.

Wegman, Evert S., East Longmeadow, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Refrigeration apparatus. 2,365,231; Dec. 19.

Weihs, Theodor G., now by judicial change of name to T. G. White, assignor to American Window Glass Company, Pittsburgh, Pa. Method and apparatus for scoring cover glass. 2,365,503; Dec. 19.

Weil, Joseph N., East Orange, N. J. Spring. 2,365,160; Dec. 19.

Weisz, Tibor, Budapest, Hungary; vested in the Alien Property Custodian. Stocking. 2,365,161; Dec. 19.

Wellman, Homer B. (See Schultz, T. H., Levine, and Wellman.)

Wert, William W., Dayton, Ohio. Portable tool. 2,365,232; Dec. 19.

Wesley, Andrew. (See Pilling, N. B., and Wesley.)

Western Electric Company. (See Johansson, Sven G., assignor.)

Western Electric Company. (See Keating, Herbert S., assignor.)

Western Electrical Instrument Corporation. (See Murray, Royal H., assignor.)

Westinghouse Electric & Manufacturing Company. (See Alben, Frank L., assignor.)

Westinghouse Electric & Manufacturing Company. (See Baker, Benjamin P., assignor.)

Westinghouse Electric & Manufacturing Company. (See Barnes, Thomas D., assignor.)

Westinghouse Electric & Manufacturing Company. (See Baudry, René A., assignor.)

Westinghouse Electric & Manufacturing Company. (See Berkey, William E., assignor.)

Westinghouse Electric & Manufacturing Company. (See Berkey, W. E., and Cuttino, assignors.)

Westinghouse Electric & Manufacturing Company. (See Fischer, Eugene H., assignor.)

Westinghouse Electric & Manufacturing Company. (See Flowers, Leonard C., assignor.)

Westinghouse Electric & Manufacturing Company. (See Fountain, Lawrence L., assignor.)

Westinghouse Electric & Manufacturing Company. (See Hansen, Elmer K., assignor.)

Westinghouse Electric & Manufacturing Company. (See Hill, Jerald E., assignor.)

Westinghouse Electric & Manufacturing Company. (See Johnson, F. D., and Hauser, assignors.)

Westinghouse Electric & Manufacturing Company. (See King, G. E., and Rutemiller, assignors.)

Westinghouse Electric & Manufacturing Company. (See Langer, Bernard F., assignor.)

Westinghouse Electric & Manufacturing Company. (See Murcek, Slavo J., assignor.)

Westinghouse Electric & Manufacturing Company. (See Nagel, G. W., and Schultz, assignors.)

Westinghouse Electric & Manufacturing Company. (See Pennow, Willis A., assignor.)

Westinghouse Electric & Manufacturing Company. (See Petzinger, Ambrose J., assignor.)

Westinghouse Electric & Manufacturing Company. (See Rights, H. T., Bernarde, and Altman, assignors.)

Westinghouse Electric & Manufacturing Company. (See Roman, Walter G., assignor.)

Westinghouse Electric & Manufacturing Company. (See Slepian, Joseph, assignor.)

Westinghouse Electric & Manufacturing Company. (See Toepfer, Adolph H., assignor.)

Westinghouse Electric & Manufacturing Company. (See Wegman, Evert S., assignor.)

Westinghouse Electric & Manufacturing Company. (See White, A. B., and Jennings, assignors.)

Westinghouse Electric & Manufacturing Company. (See White, Alfred B., assignor.)

Westinghouse Electric & Manufacturing Company. (See Winkler, F. C., and Yungman, assignors.)

Westinghouse Electric & Manufacturing Company. (See Woodman, Kenneth L., assignor.)

Whann, Jesse P., Los Angeles, assignor to Puett Electrical Starting Gate Corporation, Beverly Hills, Calif. Fluid control starting gate. 2,365,314; Dec. 19.

White, Alfred B., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Control apparatus. 2,365,610; Dec. 19.

White, Alfred B., Murrysville, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Welding system. 2,365,611; Dec. 19.

White, Alfred B., Murrysville, and C. H. Jennings, Forest Hills, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Welding system. 2,365,612; Dec. 19.

White, Charles E., Abington, assignor to Abington Textile Machinery Works, Boston, Mass. Traverse mechanism for card stripping apparatus. 2,365,654; Dec. 19.

White, Theodore G. (See Weihs, Theodor G.)

Wibmer, Martin D., P. P. Atkins, and E. G. M. Holbrow, London, England. Optical projection apparatus. 2,365,613; Dec. 19.

Williams, Alfred O., Battle Creek, assignor to Clark Equipment Company, Buchanan, Mich. Truck brake. 2,365,369; Dec. 19.

Williams, Thomas L., New York, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of fabrics. 2,365,315; Dec. 19.

Willihnganz, Eugene. (See Stewart, A., and Willihnganz.)

Wilson, Charles N., Fort Belvoir, Va., assignor to the United States of America, represented by the Secretary of War. Interlocking grating panel. 2,365,233; Dec. 19.

Wineman, Wade H., Michigan City, Ind., assignor to Sullivan Machinery Company. Pump mechanism. 2,365,234; Dec. 19.

Winkler, Frederic C., and E. W. Yungman, Cleveland, Ohio, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Luminarie. 2,365,614; Dec. 19.

Winslow, Albert E., Mystic, Conn., assignor to Atwood Machine Company. Flyer. 2,365,660; Dec. 19.

Winslow, Albert E., Mystic, Conn., assignor to Atwood Machine Company. Twisting wire. 2,365,661; Dec. 19.

Wirth, Dorsey M., Bucyrus, Ohio. Belt. 2,365,316; Dec. 19.

Wislicenus, George F. (See Thomann, A. W., and Wislicenus.)

Wood, Harry G. (See Sebald, J. F., Robinson, and Wood.)

Woodman, Kenneth L., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Automatic temperature control for electric

Woodward, David W. (See Kirby, J. E., and Woodward.) coffee makers. 2,365,615; Dec. 19.

Woolslayer, Homer J., E. A. Campbell, and C. Jenkins, Tulsa, Okla., assignors to Lee C. Moore & Company, Inc., Pittsburgh, Pa. Mast base. 2,365,370; Dec. 19.

Worthington Pump and Machinery Corporation. (See Robinson, Merrill P., assignor.)

Worthington Pump and Machinery Corporation. (See Sebald, J. F., Robinson, and Wood, assignors.)

Worthington Pump and Machinery Corporation. (See Thomann, A. W., and Wislicenus, assignors.)

Wyrick, Clayton E., Miami, Fla., assignor to The Egry Register Company, Dayton, Ohio. Typewriter controller. 2,365,317; Dec. 19.

Wyrick, Clayton E., Miami, Fla., assignor to The Egry Register Company, Dayton, Ohio. Handling paper on business machines. 2,365,318; Dec. 19.

Yant, William P., Murraysville, and J. P. Strange, Wilkinsburg, assignors to Mine Safety Appliances Company, Pittsburgh, Pa. Flow regulating valve. 2,365,371; Dec. 19.

Yonkers, Edward H., Jr. (See Meaker, J. W., and Yonkers.)

York Research Corporation. (See Schlieben, E. W., and Friedman, assignors.)

Young, Emil O., Cleveland, Ohio. Damper control means. 2,365,319; Dec. 19.

Young, Emil O., Cleveland, Ohio. Damper linkage. 2,365,320; Dec. 19.

Young, L. A., Spring and Wire Corporation. (See Young, L. A., and Coney, assignors.)

Young, Leonard A., Detroit, Mich. Apparatus for manufacturing nuts. 2,365,321; Dec. 19.

Young, Leonard A., Detroit, Mich., and J. D. Coney, Chicago, Ill., assignors to L. A. Young Spring and Wire Corporation, Detroit, Mich. Garment hanger. 2,365,655; Dec. 19.

Young, Lloyd W., Scotch Plains, N. J., T. S. James, Ben Avon, Pa., and J. H. Rountree, Plainfield, N. J., assignors to The Linde Air Products Company. Blowpipe machine. 2,365,235; Dec. 19.

Youngman, Elroy W. (See Winkler, F. C., and Youngman.)

Zane, Howard Y. F., Honolulu, Hawaii. Ink container. 2,365,236; Dec. 19.

Zinke, Erhard. (See Löpp, E., Zinke, and Berger.)

Zweifel, Otto, assignor to Aktiengesellschaft Brown, Boverie & Cie., Baden, Switzerland. Regulating apparatus for gas turbine plants. 2,365,616; Dec. 19.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 19TH DAY OF DECEMBER, 1944

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Drafting machine. V. B. Wallace. Re. 22,582; Dec. 19.
Frequency device with conical collector, Ultra high. I. E. Mouromtseff and G. M. Dinnick. Re. 22,580; Dec. 19.
Sensitizer containing a gel-forming colloidal clay. C. A. Crowley and J. B. Mullen. Re. 22,579; Dec. 19.
Shearing and punching machine. J. Opie. Re. 22,581; Dec. 19.

LIST OF PLANT INVENTIONS

Crab apple tree. C. A. Hansen. 648; Dec. 19.

LIST OF DESIGN INVENTIONS

Airplane. W. A. Hite, R. E. Harvuot, and D. H. Williams. 139,788; Dec. 19.
Back for billfold or similar article. S. J. Smallman. 139,746–9; Dec. 19.
Bottle and cap, Combined. M. B. Lukather. 139,761; Dec. 19.
Bowl for flowers or the like. N. L. Wade. 139,799; Dec. 19.
Bracelet. W. A. McHale. 139,793; Dec. 19.
Cabinet or the like, Medicine. K. S. Adams. 139,753; Dec. 19.
Canning unit, Pressure cooker. E. R. Le Claire. 139,792; Dec. 19.
Cap for milk bottles. R. Mudge. 139,762; Dec. 19.
Container punching and liquid dispensing device or similar article, Combined. H. A. Bartalott. 139,741; Dec. 19.
Counter, Display. R. H. Kress. 139,790. Dec. 19.
Dress. Z. Golden. 139,769–81; Dec. 19.
Dress. E. K. Graham. 139,782–5; Dec. 19.
Drill attachment, Angle. W. J. Crump. 139,742; Dec. 19.
Drilling attachment. G. A. Terry. 139,795–7; Dec. 19.
Electric hot plate. J. Springwell. 139,751; Dec. 19.
Frame, Handbag. R. Lobel. 139,745; Dec. 19.
Frame, Picture. D. Karp. 139,786; Dec. 19.
Gauge handle. R. E. Snyder. 139,750; Dec. 19.
Guard or similar article, Portable lamp. C. J. Hoffman. 139,756–8; Dec. 19.
Handbag. M. M. Warner. 139,765; Dec. 19.
Handle, Kitchen utensil. H. R. Ellinwood. 139,768; Dec. 19.
Juicer, Fruit. J. O. Reinecke. 139,794; Dec. 19.
Key. H. J. Lasky. 139,791; Dec. 19.
Package for stationery or the like, Display. E. von Hartmann. 139,798; Dec. 19.
Panel or the like, Screen. R. Bruner. 139,766; Dec. 19.
Pin, Greeting. C. J. Davidson. 139,767; Dec. 19.
Pressure cooker. S. W. A. Ingram. 139,789; Dec. 19.
Purse or similar article, Combined coin and key. D. J. Nash. 139,763; Dec. 19.
Spark plug. C. R. Boyd. 139,754; Dec. 19.
Statuette or similar article. P. G. Hausman. 139,787; Dec. 19.
Suit, Bathing. T. Leser. 139,760; Dec. 19.
Switch housing. P. A. Celander. 139,755; Dec. 19.
Table or similar article. D. Raucher. 139,764; Dec. 19.
Toy airplane. D. H. Faber. 139,744; Dec. 19.
Toy top. C. J. Davidson. 139,743; Dec. 19.
Truck for a traveling crane. R. J. Stoddard, W. Niessen, and C. Milnar. 139,752; Dec. 19.
Truck, Lift. G. V. Johnson. 139,759; Dec. 19.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 19TH DAY OF DECEMBER, 1944

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrader, Rotary. R. A. Fontaine. 2,365,462; Dec. 19.
Acid amides, Preparing n-monochlorination products of high molecular fatty. L. Orthner and T. Jacobs. 2,365,431; Dec. 19.
Acid oxidation of fatty materials, Nitric. D. Rice and R. Griffith. 2,365,290; Dec. 19.
Acids, Separation of sulphonic. P. G. Waldo, P. M. Goodloe, and H. G. Berger. 2,365,653; Dec. 19.
Acids, Synthesis of amino. K. H. Schaaf and F. D. Pickel. 2,365,295; Dec. 19.
Adjustable chair. A. Lorenz. 2,365,200; Dec. 19.
Agents for hydrocarbon compositions and the like, Stabilizing. C. F. Prutton, A. K. Smith, and D. R. Frey. 2,365,291; Dec. 19.
Air brake system for railroad cars. C. E. Strode. 2,365,155; Dec. 19.
Air cleaner. J. B. Sebok. 2,365,299; Dec. 19.
Aircraft having rotating blades or wings. R. H. Prewitt. 2,365,357; Dec. 19.
Aircraft plane. L. Bölkow. 2,365,382; Dec. 19.
Alloy products, Manufacture of copper base. A. Morris. 2,365,208; Dec. 19.
Alternating current network. L. L. Bosch. 2,365,514; Dec. 19.
Aluminum material for spot welding, Conditioning. D. E. Stevens. 2,365,153; Dec. 19.
Amplifier, Electron discharge. D. E. Maxwell. 2,365,575; Dec. 19.
Analysis with radioactive material. J. E. Hill. 2,365,553; Dec. 19.
Analyzer, Engine operation. C. Unterberg. 2,365,227; Dec. 19.
Anchor for packers, Adjustable. C. H. Barnes. 2,365,327; Dec. 19.
Antifriction bearing. O. Storz. 2,365,154; Dec. 19.
Apparatus and method for conducting ionic exchange operations. R. W. Shafor. 2,365,221; Dec. 19.
Apparatus for controlling the coating of paper. R. W. Bender. 2,365,621; Dec. 19.
Apparatus for controlling the load on an X-ray tube. A. F. Jeans. 2,365,554; Dec. 19.
Apparatus for cutting strips. S. J. Pask. 2,365,288; Dec. 19.
Apparatus for detaching the edges of sheet paper and like material. A. Larmuth. 2,365,569; Dec. 19.
Apparatus for electrolytically producing oxygen and hydrogen. A. B. Carmichael. 2,365,330; Dec. 19.
Apparatus for feeding material at a constant rate. R. F. Hohman. 2,365,270; Dec. 19.
Apparatus for heating coating material. M. I. Dorfan. 2,365,336; Dec. 19.
Apparatus for joining the webs of paper rolls. P. Dietrich. 2,365,528–9; Dec. 19.
Apparatus for manufacturing metals. O. Kruh. 2,365,346; Dec. 19.
Apparatus for manufacturing nuts. L. A. Young. 2,365,321; Dec. 19.
Apparatus for polishing coated sheet metal. D. A. McArthur. 2,365,480; Dec. 19.
Apparatus for the removal of water, liquors or other liquids from soaked masses of fibrous materials. F. Schumacher. 2,365,658; Dec. 19.
Appliance for playing games of skill. R. E. Bartle and F. Riley. 2,365,513; Dec. 19.
Article of manufacture and producing the same. R. T. K. Cornwell. 2,365,455; Dec. 19.
Atomizer head. I. T. Holihan and W. H. Davis. 2,365,195; Dec. 19.
Automatic means for opening parachutes. W. A. Babowski. 2,365,445; Dec. 19.
Automatic temperature control for electric coffee makers. K. L. Woodman. 2,365,615; Dec. 19.
Automotive running gear. N. E. Wahlberg. 2,365,609; Dec. 19.
Backup bar. W. H. Stout. 2,365,226; Dec. 19.
Bag: *See*—
Garment bag. Siftproof bag.
Bar: *See*—
Backup bar.
Base, Mast. H. J. Woolslayer, E. A. Campbell, and C. Jenkins. 2,365,370; Dec. 19.
Battery plates and making the same, Storage. A. Stewart and E. Willihnganz. 2,365,604; Dec. 19.
Bearing: *See*—
Antifriction bearing. Mono-ball bearing.
Bearings, Making porous metal. R. P. Koehring. 2,365,562; Dec. 19.
Bellows or tubing structure. D. W. Fentress. 2,365,181; Dec. 19.
Belt. D. M. Wirth. 2,365,316; Dec. 19.
Belt, Garter. A. G. Cusick. 2,365,456; Dec. 19.
Binder. H. Thomsen. 2,365,607; Dec. 19.
Binder, Loose-leaf. A. M. Martin. 2,365,643; Dec. 19.
Bit: *See*—
Rock bit.
Black-out switch. J. J. Donovan. 2,365,530; Dec. 19.
Blind, Venetian. A. F. Christiani. 2,365,248; Dec. 19.
Block: *See*—
Fire pot block.
Blowpipe machine. H. W. Jones. 2,365,275; Dec. 19.
Blowpipe machine. A. J. Miller. 2,365,276; Dec. 19.
Blowpipe machine. L. W. Young, T. S. James, and J. H. Rountree. 2,365,235; Dec. 19.
Boiler: *See*—
Waste heat boiler.
Bomb rack. D. E. Hoffman and G. Throne. 2,365,409; Dec. 19.
Bookrack. L. H. Burlin. 2,365,452; Dec. 19.
Bottle closures, Producing. A. J. Marek. 2,365,350; Dec. 19.
Bottle, Nursing. D. G. Paxman. 2,365,585; Dec. 19.
Brake: *See*—
Truck brake.
Brake control means. C. L. Eksergian. 2,365,180; Dec. 19.
Brake mechanism. C. L. Eksergian and P. W. Gaenssle. 2,365,460; Dec. 19.
Brake operating mechanism. J. G. Ingres. 2,365,471; Dec. 19.
Breadmaking. C. G. Ferrari. 2,365,534; Dec. 19.
Building structure, Prefabricated. W. J. Mulligan. 2,365,579; Dec. 19.
Butter, Making. C. A. Rogers. 2,365,217; Dec. 19.
Calculating and printing machine. C. P. Boberg. 2,365,381; Dec. 19.
Calculating machine. P. H. Allen. 2,365,507; Dec. 19.
Calculating machine. A. S. Dennis. 2,365,527; Dec. 19.
Capping arrangement for electronic valves. B. Erber. 2,365,399; Dec. 19.
Carriage escapement device. B. Grady. 2,365,189; Dec. 19.
Carton. W. P. Frankenstein. 2,365,261; Dec. 19.
Carton, Cardboard. D. F. Cunningham. 2,365,333; Dec. 19.
Cartridge box filling device. C. E. Wallick. 2,365,158; Dec. 19.
Case method of handling eggs. K. C. Ferguson. 2,365,182; Dec. 19.
Caster, Adjustable. C. R. Nalle. 2,365,287; Dec. 19.
Cellulose esters, Stabilization of. B. S. Farquhar and F. Schulze. 2,365,258; Dec. 19.
Chain: *See*—
Pivoted link chain.
Chair: *See*—
Adjustable chair.
Chair. R. K. Lee. 2,365,570; Dec. 19.
Chain. H. H. Vanderzee. 2,365,228; Dec. 19.
Change maker. C. G. Emerson and L. R. Cook. 2,365,257; Dec. 19.
Circuit controller, Variable. H. L. Lambert. 2,365,642; Dec. 19.
Circuit controlling device. F. D. Johnson and R. Hauser. 2,365,555; Dec. 19.
Circuit interrupting device. B. P. Baker. 2,365,509; Dec. 19.
Cleaner: *See*—
Air cleaner. Windshield cleaner.
Cleaning apparatus. T. C. Crowley. 2,365,250; Dec. 19.
Clip: *See*—
Wall clip.
Clip. O. C. Eckel. 2,365,629; Dec. 19.
Closure, Bottle. H. Rubin. 2,365,598; Dec. 19.
Closure means for container openings. H. W. Dodson. 2,365,178; Dec. 19.
Clutch control mechanism. H. W. Hey and J. G. Ingres. 2,365,469; Dec. 19.
Clutch control mechanism. J. G. Ingres. 2,365,470; Dec. 19.
Clutch mechanism. A. F. Bradley. 2,365,244; Dec. 19.
Clutch mechanism for calculating machines. H. T. Avery. 2,365,325; Dec. 19.
Coating apparatus. W. H. Fischer. 2,365,259; Dec. 19.
Coating or lining for metal objects, Protective. W. D. Moore. 2,365,427; Dec. 19.
Coconut meat extractor. J. D. Rector. 2,365,358; Dec. 19.
Coffee maker. W. L. Hill. 2,365,269; Dec. 19.
Coffee rings, Manufacture of. J. MacManus. 2,365,349; Dec. 19.
Cold-molding composition. P. O. Powers. 2,365,491; Dec. 19.
Color development. E. Meschter. 2,365,206; Dec. 19.

Combing machine for textile fibers. J. W. Nasmith. 2,365,210; Dec. 19.
Composite insert for insoles. M. Margolin. 2,365,203; Dec. 19.
Composition for producing fire-fighting foam and preparing same. T. J. Bagley and D. Levin. 2,365,619; Dec. 19.
Composition for use in graining inks. R. A. Swain. 2,365,363; Dec. 19.
Computer for aircraft load distribution. E. W. Schlieben and W. Friedman. 2,365,494; Dec. 19.
Conduit supporting device. J. Banneyer. 2,365,620; Dec. 19.
Constant velocity universal joint. C. H. Taylor. 2,365,606; Dec. 19.
Container: *See*—
Ink container.
Container. R. R. Walton and D. G. Greenlie. 2,365,159; Dec. 19.
Container and covering means. A. P. Geimer. 2,365,186; Dec. 19.
Container for pencil fillers. P. S. Hauton. 2,365,191; Dec. 19.
Container vent. P. T. Radtke. 2,365,590; Dec. 19.
Control apparatus. A. B. White. 2,365,610; Dec. 19.
Control for generating electric tractor systems, Automatic transition. T. O. Lillquist. 2,365,418; Dec. 19.
Control for implements, Leveling. E. V. Briscoe. 2,365,387; Dec. 19.
Control system. Prime mover. R. G. Janes. 2,365,412; Dec. 19.
Contouring machine and method. D. R. Trinkle. 2,365,365; Dec. 19.
Conveyer apparatus. R. J. Stewart. 2,365,304; Dec. 19.
Cooler: *See*—
Water cooler.
Cooling system for aircraft. A. Silverstein and F. R. Nickle. 2,365,223; Dec. 19.
Cork compositions. P. R. Austin. 2,365,508; Dec. 19.
Counting and marking machine. L. L. Matthews. 2,365,645; Dec. 19.
Covering or jacketing means, Protective. E. J. Herter, Jr. 2,365,268; Dec. 19.
Crankshaft. C. Criswell. 2,365,394; Dec. 19.
Curtain, Netted. N. Topliss. 2,365,500; Dec. 19.
Cutoff device for controlling the bulk supply of liquid dispensing apparatus. C. S. Hazard. 2,365,192; Dec. 19.
Cutterhead. S. E. Hill. 2,365,407; Dec. 19.
Cyanide, Manufacturing sodium. D. Kusman. 2,365,417; Dec. 19.
Cylinder, Laminated finned. V. R. Abrams. 2,365,162; Dec. 19.
Damper control means. E. O. Young. 2,365,319; Dec. 19.
Damper linkage. E. O. Young. 2,365,320; Dec. 19.
Dental mounting device. I. Klein. 2,365,475; Dec. 19.
Descaming apparatus. W. J. Jacobsson. 2,365,411; Dec. 19.
Detergent composition. J. C. Rhodes. 2,365,215; Dec. 19.
Device for sealing bags. P. G. Cook. 2,365,523; Dec. 19.
Device for starting gas turbine motor plants. L. A. Hermitte. 2,365,551; Dec. 19.
Dialysis. F. K. Daniel. 2,365,457; Dec. 19.
Digging attachment for tractors or the like. T. K. Andersen. 2,365,164; Dec. 19.
Dihydropyran, Preparation of. J. G. M. Bremner and D. McNeil. 2,365,623; Dec. 19.
Dishwasher. G. A. Vandercook. 2,365,367; Dec. 19.
Dispenser for marbles and the like. J. F. Barnes. 2,365,511; Dec. 19.
Dispensing capsule. K. Court. 2,365,524; Dec. 19.
Dispersible compositions. J. W. Lang. 2,365,479; Dec. 19.
Domes, Shaping thermoplastic. E. L. Helwig. 2,365,637; Dec. 19.
Drier for electric refrigerators. G. C. Dean. 2,365,526; Dec. 19.
Drill adapter. L. J. Fortin. 2,365,260; Dec. 19.
Drill rig, Portable. J. C. Curtis. 2,365,176; Dec. 19.
Drilling mud. D. C. Bond. 2,365,383; Dec. 19.
Drum, Drier. L. Hornbostel. 2,365,271; Dec. 19.
Dual wheel assembly. C. S. Ash. 2,365,617–8; Dec. 19.
Dyes, Insoluble azo. P. F. Gross. 2,365,265; Dec. 19.
Electric arc furnace. F. W. Brooke. 2,365,521; Dec. 19.
Electric automatic starter. W. Heinemann. 2,365,267; Dec. 19.
Electric discharge device. W. E. Berkey. 2,365,517; Dec. 19.
Electric discharge device. W. E. Berkey and W. H. Cuttino. 2,365,518; Dec. 19.
Electric discharge device. A. H. Toepfer. 2,365,608; Dec. 19.
Electric gaseous discharge device. R. C. Hilliard and W. V. Smith. 2,365,342; Dec. 19.
Electric gauge. H. T. Rights, H. L. Bernarde, and F. J. Altman. 2,365,593; Dec. 19.
Electric insulating material. A. A. New, S. G. Foord, and D. R. Beckwith. 2,365,646; Dec. 19.
Electric lamp and making the same, Incandescent. G. C. Singer. 2,365,224; Dec. 19.
Electric pressing iron. W. M. Cissell. 2,365,332; Dec. 19.
Electric shaver. J. Verschuyl. 2,365,368; Dec. 19.
Electric switch. M. Babenco. 2,365,444; Dec. 19.
Electrical contact element. G. J. Comstock. 2,365,249; Dec. 19.
Electrical control apparatus. A. L. Jerome. 2,365,641; Dec. 19.
Electrical indicating and measuring apparatus. O. R. Rogers. 2,365,218; Dec. 19.
Electrical measuring apparatus. R. E. Reason. 2,365,592; Dec. 19.
Electrical measuring device. A. J. Petzinger. 2,365,588; Dec. 19.
Electromagnetic motive means. F. C. Fisher. 2,365,632; Dec. 19.
Electronic indicating device. L. C. Sipman. 2,365,601; Dec. 19.
Electronic switch and rectangular wave generator. W. A. Knoop, Jr., and L. F. Cramer. 2,365,476; Dec. 19.
Electroperforator. J. W. Meaker and E. H. Yonkers, Jr. 2,365,576; Dec. 19.
Embroidery stitching attachment for sewing machines. V. J. Sigoda. 2,365,222; Dec. 19.
Emulsions and colloidal solutions, Separation of. J. E. E. Edvarsson. 2,365,256; Dec. 19.
Envelope machine. A. Novick. 2,365,211; Dec. 19.
Ester molding compositions, Cellulose mixed. R. L. Stern. 2,365,652; Dec. 19.
Esters, Mixed. E. Segessemann. 2,365,300; Dec. 19.
Etching polished surfaces, Electrolytic. L. C. Flowers. 2,365,539; Dec. 19.
Expansion joint. J. N. Heltzel. 2,365,550; Dec. 19.
Explosive, Blasting. C. D. Bitting and R. W. Lawrence. 2,365,170; Dec. 19.
Extractor: *See*—
Coconut meat extractor.
Eyeglasses. S. F. Alexander. 2,365,163; Dec. 19.
Fabric mending device. C. Patasnik. 2,365,432; Dec. 19.
Fabrics, Manufacture of. T. L. Williams. 2,365,315; Dec. 19.
Fabrics, Method of and apparatus for uniting mesh. C. Seaman. 2,365,495; Dec. 19.
Fastening device. L. E. Bogue. 2,365,520; Dec. 19.
Feed mechanism for machine guns. F. T. Moore. 2,365,484; Dec. 19.
Feeder: *See*—
Sheet feeder.
Fence construction, Picket. L. L. Dickman. 2,365,397; Dec. 19.
Ferric hydrate. W. E. Marek. 2,365,202; Dec. 19.
Fiber and fusible plastic material, Hollow molded preform of. W. W. Carter. 2,365,331; Dec. 19.
Filaments, Taper grinding of artificial. F. F. Cunningham. 2,365,396; Dec. 19.
Film developing rack. W. B. Moore. 2,365,485; Dec. 19.
Filter: *See*—
Oil well filter.
Filter. C. H. Smith. 2,365,360; Dec. 19.
Filter and drier. A. P. Anderson. 2,365,149; Dec. 19.
Filter element, Self-cleaning. P. G. Cox. 2,365,525; Dec. 19.
Firearm. M. A. Browning. 2,365,389; Dec. 19.
Firearm. W. T. Gorton. 2,365,188; Dec. 19.
Firearm. J. G. Seitz. 2,365,440; Dec. 19.
Firearm, Self-loading repeating. C. G. Swebilius. 2,365,307; Dec. 19.
Firearm, Self-loading takedown. C. G. Swebilius. 2,365,306; Dec. 19.
Fire pot block. F. R. Higley. 2,365,193; Dec. 19.
Fishing apparatus. E. H. Kruse. 2,365,414; Dec. 19.
Fishing lure and manufacture. L. W. Weesner. 2,365,502; Dec. 19.
Flashover prevention means for high-tension ignition apparatus. J. J. Rose. 2,365,219; Dec. 19.
Flow regulating valve. W. P. Yant and J. P. Strange. 2,365,371; Dec. 19.
Fluid flow controller. A. U. Bryant. 2,365,172; Dec. 19.
Fluid-treating apparatus. W. M. Pratt. 2,365,492; Dec. 19.
Flyer. A. E. Winslow. 2,365,660; Dec. 19.
Folding table. L. H. Burlin. 2,365,451; Dec. 19.
Form tie assembly for concrete construction. H. J. Krueper. 2,365,563; Dec. 19.
Foundation construction, Garment shoulder. D. E. Eahm. 2,365,280; Dec. 19.
Frame for barbecue structures and the like, Adjustable. R. M. Burmeister. 2,365,390; Dec. 19.
Frame for handbags. M. H. Storch. 2,365,659; Dec. 19.
Frequency-dividing circuits. G. W. Nagel and M. A. Schultz. 2,365,583; Dec. 19.
Fuel injector, Rotary. H. O. Hedges. 2,365,636; Dec. 19.
Fuel. Preparing an improved injection engine. T. H. Schultz, I. E. Levine, and H. B. Wellman. 2,365,220; Dec. 19.
Fuel pump. L. Allen, Jr. 2,365,237; Dec. 19.
Fuels. Stabilizing carbonyl containing motor. R. T. Bell. 2,365,377; Dec. 19.
Furnace: *See*—
Electric arc furnace.
Furnace. E. E. Forsberg. 2,365,183; Dec. 19.
Garment bag. R. R. Smith. 2,365,303; Dec. 19.
Garment hanger. L. A. Young and J. D. Coney. 2,365,655; Dec. 19.
Gasoline, Production of catalytically cracked. F. C. Fahnestock. 2,365,630; Dec. 19.

Gauge: *See*—
Electric gauge.
Gearing, particularly for machine tools, Actuation of change-speed. A. H. Lloyd. 2,365,571; Dec. 19.
Generator: *See*—
Electronic switch and rectangular wave generator.
Glass, method and apparatus for scoring cover. T. G. Weihs, change of name to T. G. White. 2,365,503; Dec. 19.
Governor having inertia effect, Centrifugal motor speed. J. M. Naul. 2,365,657; Dec. 19.
Grain processing apparatus. L. E. Egedal. 2,365,179; Dec. 19.
Gramicidin, Isolation of. M. Tishler. 2,365,499; Dec. 19.
Grate for stoves, Basket. S. A. Burnett. 2,365,391; Dec. 19.
Grating panel, Interlocking. C. N. Wilson. 2,365,233; Dec. 19.
Grenade, Hand. G. Cardini and W. H. Davis. 2,365,246; Dec. 19.
Grenade magazine attachment for service rifles. J. H. Pearson. 2,365,586; Dec. 19.
Grinder head appurtenance. L. Illmer and V. R. Pallas. 2,365,640; Dec. 19.
Grinding apparatus and method. T. C. Shutt and L. J. Steiner. 2,365,302; Dec. 19.
Grinding or polishing machine. P. S. Newswanger. 2,365,584; Dec. 19.
Grooving tool. C. L. Haynes. 2,365,549; Dec. 19.
Guide. J. E. Ashworth. 2,365,322; Dec. 19.
Gun, Automatic. J. Dobřemysl. 2,365,459; Dec. 19.
Gyroscopic instrument. K. Schulze. 2,365,439; Dec. 19.
Hack saw blade. W. H. Shortell. 2,365,301; Dec. 19.
Halogen-containing products, Heat-stabilized high-polymer. H. Fikentscher. 2,365,400; Dec. 19.
Hand wheel. M. M. Rubens. 2,365,359; Dec. 19.
Hanger: *See*—
Garment hanger.
Headgear, Protective. G. M. Lamsa. 2,365,656; Dec. 19.
Headlight testing apparatus. H. G. Holmes. 2,365,410; Dec. 19.
Heating and humidifying attachment for bassinets. J. W. Boren. 2,365,243; Dec. 19.
High pressure pump. F. A. Talbot. 2,365,309; Dec. 19.
Hinge. E. H. Benson. 2,365,378; Dec. 19.
Hold-down attachment. E. W. Allen. 2,365,372; Dec. 19.
Holder: *See*—
Valve holder.
Holder for use in repointing twist drills. D. Crowther. 2,365,395; Dec. 19.
Holes for porcelain, Forming tapped. E. H. Fischer. 2,365,535; Dec. 19.
Hopper. C. R. Smith. 2,365,441; Dec. 19.
Humidifying device, Tobacco. F. L. Gailey. 2,365,185; Dec. 19.
Hydraulic power plant. H. R. Fischer and E. W. Stevens. 2,365,536; Dec. 19.
Hydraulic power transmission for presses. R. Von Rotz. 2,365,157; Dec. 19.
Hydraulic pressure device, Rotary. H. Z. Gora. 2,365,263; Dec. 19.
Hydraulic riveter. H. R. Fischer and E. W. Stevens. 2,365,537; Dec. 19.
Hydrocarbon conversion process. L. G. Molique. 2,365,426; Dec. 19.
Hydrocarbons, Dehydrogenation of gaseous and liquid. H. B. Kipper. 2,365,413; Dec. 19.
Hydrocarbons, Oxidation of halogenated. W. L. Faith. 2,365,631; Dec. 19.
Implement stand. A. Hammerstein. 2,365,467; Dec. 19.
Indicating means for taximeters. P. Riegger. 2,365,435; Dec. 19.
Ink container. H. Y. F. Zane. 2,365,236; Dec. 19.
Insecticide. W. G. Bruce. 2,365,245; Dec. 19.
Insole for shoes. J. M. Friend and F. Richardson. 2,365,633; Dec. 19.
Internal-combustion engine cooling system. T. J. Bay. 2,365,166; Dec. 19.
Iron: *See*—
Electric pressing iron.
Ironing machine. F. M. Freis. 2,365,542; Dec. 19.
Joint: *See*—
Constant velocity universal joint.
Expansion joint.
Pipe joint.
Knurling tool. W. H. Kay. 2,365,197; Dec. 19.
Lamp. C. Adler, Jr. 2,365,504; Dec. 19.
Lamp. J. J. Smith. 2,365,150; Dec. 19.
Lathe attachment. J. A. Honegger. 2,365,196; Dec. 19.
Lathe, Copying. L. E. Topham. 2,365,311; Dec. 19.
Lead chromate pigment production. E. C. Botti. 2,365,171; Dec. 19.
Lead or lead alloy, Refining. J. C. Dittmer. 2,365,177; Dec. 19.
Lighting apparatus. W. A. Pennow. 2,365,587; Dec. 19.
Loading apparatus. E. K. Hansen. 2,365,546; Dec. 19.
Loading machine. D. R. Hart. 2,365,635; Dec. 19.
Lock control system, Railway switch. T. J. Judge. 2,365,344; Dec. 19.
Locking device for remote control and other force-transmitting systems. O. H. Carlton. 2,365,247; Dec. 19.
Locking device for undercarriages, Automatic. J. Mercier. 2,365,424; Dec. 19.
Locking device for safes. A. S. Holleyhead. 2,365,343; Dec. 19.
Loom with feeler at the front of the magazine, Magazine. J. Stuer. 2,365,362; Dec. 19.
Luminaire. F. C. Winkler and E. W. Yungman. 2,365,614; Dec. 19.
Lure, Artificial fishing. A. J. Dory. 2,365,628; Dec. 19.
Machine for cutting sheet material. E. L. Sutter. 2,365,605; Dec. 19.
Machine for shaping shoe uppers. L. J. Bazzoni. 2,365,242; Dec. 19.
Machine gun air cooling means. V. A. Browning. 2,365,388; Dec. 19.
Magazine for firearms. F. A. Cooley. 2,365,392; Dec. 19.
Magnesium production. R. A. Boyer and E. E. Ensign. 2,365,386; Dec. 19.
Magnetic separator. R. H. Stearns. 2,365,603; Dec. 19.
Material handling apparatus. H. S. Keating. 2,365,277; Dec. 19.
Measuring device for shafts, Torque. B. F. Langer. 2,365,564; Dec. 19.
Measuring instrument. E. M. Morris. 2,365,353; Dec. 19.
Mercury switch. M. W. Griffes. 2,365,634; Dec. 19.
Meter: *See*—
Power meter.
Meter register. T. D. Barnes. 2,365,510; Dec. 19.
Microscope. E. O. Roeder. 2,365,594; Dec. 19.
Mineral supplement. T. W. Schlib. 2,365,438; Dec. 19.
Moisture-measuring instrument. C. S. Shaw. 2,365,496; Dec. 19.
Monitor, Ceiling level. S. J. Murcek. 2,365,580; Dec. 19.
Mono-ball bearing. F. L. Hill. 2,365,552; Dec. 19.
Mop. F. M. Schaefer. 2,365,437; Dec. 19.
Mounting: *See*—
Resilient mounting.
Tilting chair mounting.
Mounting for safety headgear, Suspension. F. R. Ludwell. 2,365,422; Dec. 19.
Mower, Lawn. H. F. Godwin. 2,365,338; Dec. 19.
Multiple means for applying brakes. G. Keith. 2,365,557; Dec. 19.
Multispeed governor. E. Martin and N. R. Richmond. 2,365,204; Dec. 19.
Multivibrator. E. H. B. Bartelink. 2,365,512; Dec. 19.
Musical instrument. N. Langer. 2,365,567; Dec. 19.
Musical instrument, Duophonic electrical. N. Langer. 2,365,566; Dec. 19.
Nail pulling tool. C. G. Formhals. 2,365,463; Dec. 19.
Nest, Hen. W. E. Petty. 2,365,355; Dec. 19.
Nickel electroflake pigment. N. B. Pilling and A. Wesley. 2,365,356; Dec. 19.
N-substituted aminonaphthol dye intermediates. J. E. Kirby and D. W. Woodward. 2,365,345; Dec. 19.
Nut, Lock. J. R. Polizzi. 2,365,433; Dec. 19.
Nut, Stop. S. Bloomfield. 2,365,380; Dec. 19.
Oil circuit breaker. J. Slepian. 2,365,602; Dec. 19.
Oil from oil fields, Recovery of. M. Muskat. 2,365,428; Dec. 19.
Oil from viscous deposits, Producing. L. Ranney. 2,365,591; Dec. 19.
Oil saver. O. Elsebusch. 2,365,533; Dec. 19.
Oil settling tank. R. T. Anderson. 2,365,442; Dec. 19.
Oil well filter. H. H. Holmes and W. E. Lawson. 2,365,639; Dec. 19.
Oils, Beneficiated mineral. J. M. Musselman. 2,365,209; Dec. 19.
Optical apparatus. D. T. Street. 2,365,361; Dec. 19.
Optical instrument. G. B. Gallasch. 2,365,337; Dec. 19.
Optical projection apparatus. M. D. Wibmer, P. P. Atkins, and E. G. M. Holbrow. 2,365,613; Dec. 19.
Ores, Reducing. F. Hodson and P. A. Hirsch. 2,365,194; Dec. 19.
Organic compounds. L. A. Hamilton. 2,365,466; Dec. 19.
Organic compounds, Sulphonation of. G. F. Hennion. 2,365,638; Dec. 19.
Outboard motor steering device. R. W. Pieron. 2,365,490; Dec. 19.
Outlet valve. R. Temple. 2,365,364; Dec. 19.
Outrigger, Vehicle. R. O. Billings. 2,365,169; Dec. 19.
Oxygen-containing organic compounds, Production of. W. H. Groombridge and R. Page. 2,365,264; Dec. 19.
Package, Prophylactic. F. G. Karg. 2,365,556; Dec. 19.
Paper on business machines, Handling. C. E. Wyrick. 2,365,318; Dec. 19.
Parachute. L. P. Frieder and W. S. Finken. 2,365,184; Dec. 19.
Parachute with cone, Vented. C. A. Volf. 2,365,230; Dec. 19.
Partition construction. W. W. Eager. 2,365,255; Dec. 19.
Paste and making the same, Storage battery. A. W. Schorger. 2,365,600; Dec. 19.
Patch, Ship repair. A. Nelson. 2,365,488; Dec. 19.
Pattern, Dress. C. M. Dunn. 2,365,532; Dec. 19.
Pencil, Mechanical. P. S. Hauton. 2,365,548; Dec. 19.
Perpetual inventory device. H. A. Livingston. 2,365,283; Dec. 19.
Pessary, Inflatable. M. E. Schimpf. 2,365,296; Dec. 19.
Photographic emulsions, Leveling the characteristic of. C. Becker. 2,365,376; Dec. 19.
Photographic material, Production of light sensitve. W. Kuhne. 2,365,416; Dec. 19.
Pigments, Preparation of phthalocyanine. P. F. Gross. 2,365,464; Dec. 19.
Pigments, Treating calcium sulphate. F. L. Kingsbury and C. L. Schmidt. 2,365,559; Dec. 19.

Pigments, Treating calcium sulphate. F. L. Kingsbury and F. J. Schultz. 2,365,560; Dec. 19.
Pipe joint. A. T. McWane. 2,365,574; Dec. 19.
Pipe wrench. F. L. Cook. 2,365,627; Dec. 19.
Pivoted link chain. H. H. Vanderzee. 2,365,229; Dec. 19.
Planter. J. D. McKahin. 2,365,201; Dec. 19.
Plastic material, Treatment of. E. Schweizer. 2,365,297; Dec. 19.
Plastic sheets or ribbons by extrusion, Method of and apparatus for producing continuous organic. J. Bailey. 2,365,326; Dec. 19.
Plastics by extrusion, Shaping. J. Bailey. 2,365,374; Dec. 19.
Plastics by extrusion, Shaping. J. Bailey and R. S. Jeslonowski. 2,365,375; Dec. 19.
Plate, Adjustable angle. L. H. Saucier. 2,365,436; Dec. 19.
Plate bracket unit, Builder's safety. E. A. Walstrom. 2,365,501; Dec. 19.
Plywood structure, Curved. N. A. De Vries. 2,365,334; Dec. 19.
Polymeric n-vinylimides and products therefrom, Solvolysis of. W. E. Hanford and H. B. Stevenson. 2,365,340; Dec. 19.
Polymerization of vinyl compounds. C. H. Alexander and F. K. Schoenfeld. 2,365,506; Dec. 19.
Portable tool. W. W. Wert. 2,365,232; Dec. 19.
Post, Tool. P. Lustrik. 2,365,572; Dec. 19.
Power apparatus for aligning work. M. L. Solomon. 2,365,151; Dec. 19.
Power measuring system for rotating shafts. B. F. Langer. 2,365,565; Dec. 19.
Power meter. W. Angst. 2,365,443; Dec. 19.
Power transmission device. H. D. Geyer and R. E. Moule. 2,365,544; Dec. 19.
Preparation of mercaptans. M. S. Kharasch. 2,365,561; Dec. 19.
Press: *See*—
Printing press. Sleeve press.
Press for making workpieces tapering in longitudinal direction. W. Manken and O. Uhlmann. 2,365,482; Dec. 19.
Pressure casting machine injection pressure control. N. Lester and W. H. Schwartz. 2,365,282; Dec. 19.
Pressure differentials, Measuring. J. B. McGay. 2,365,573; Dec. 19.
Printer, Daylight. H. F. Stiffler. 2,365,225; Dec. 19.
Printing press. W. M. Kelly. 2,365,278; Dec. 19.
Projectile. S. A. Moore. 2,365,577; Dec. 19.
Propeller, particularly for aircraft, Screw. H. Reissner. 2,365,214; Dec. 19.
Proportioning apparatus. J. F. Sebald, M. P. Robinson, and H. G. Wood. 2,365,298; Dec. 19.
Pump: *See*—
Fuel pump. High pressure pump.
Pump computor, Dispensing. D. E. Bench and M. A. Crosby. 2,365,329; Dec. 19.
Pump for pumping water, oil, or other liquids from wells and the like. L. J. Le Fevre. 2,365,281; Dec. 19.
Pump mechanism. W. H. Wineman. 2,365,234; Dec. 19.
Punch, Pin. H. P. Miller. 2,365,425; Dec. 19.
Punch press set. C. L. Fairbanks. 2,365,461; Dec. 19.
Purification of p-phenetidine. C. L. Richardson, Jr. 2,365,493; Dec. 19.
Rack: *See*—
Bomb rack. Film developing rack.
Radiator, Nonfreezing. M. S. Smith. 2,365,497; Dec. 19.
Radio direction indicator system. W. P. Lear. 2,365,347; Dec. 19.
Radio telegraph multiplex system. W. H. Bliss. 2,365,450; Dec. 19.
Rake. W. Connolly. 2,365,393; Dec. 19.
Razor and magazine, Safety. J. Muros. 2,365,582; Dec. 19.
Razor blade and manufacturing the same, Safety. J. Muros. 2,365,581; Dec. 19.
Reaming device. P. F. Rossmann. 2,365,648; Dec. 19.
Receptacle support. W. Trogman. 2,365,312; Dec. 19.
Reflecting device for signs and the like F. A. Best. 2,365,447; Dec. 19.
Refrigerants and making them. A. F. Benning, F. B. Downing, and R. J. Plunkett. 2,365,516; Dec. 19.
Refrigerating apparatus. G. M. Armstrong. 2,365,373; Dec. 19.
Refrigeration apparatus. E. S. Wegman. 2,365,231; Dec. 19.
Regulating apparatus for gas turbine plants. O. Zweifel. 2,365,616; Dec. 19.
Regulating valve. W. H. Du Bois. 2,365,531; Dec 19.
Regulator for engines, Pneumatic speed. C. E. Bonnier. 2,365,384; Dec. 19.
Relay contact, Shockproof. L. L. Fountain. 2,365,541; Dec. 19.
Remote control mechanism. R. T. McClelland. 2,365,284; Dec. 19.
Resilient mounting. H. C Lord. 2,365,421; Dec. 19.
Retriever, Golf-ball. M. E. Fonken. 2,365,540; Dec. 19.
Ribbon control. C. L. Dolan. 2,365,254; Dec. 19.
Riveting tool. H. R. Fischer. 2,365,538; Dec. 19.
Rock bit. R. G. Hamaker. 2,365,266; Dec. 19.
Rods, Rolling. G. R. Roemer. 2,365,216; Dec. 19.
Roofing and similar material, Method and apparatus for drying and cooling. R. M. Moffitt. 2,365,352; Dec. 19.
Rotor unit. A. W. Thoman and G. F. Wislicenus. 2,365,310; Dec. 19.
Rubber materials capable of ready fabrication, Hard. E. R. Dillehay. 2,365,335; Dec. 19.
Rubber, Plastifying of synthetic. E. Gartner and A. Koch. 2,365,405; Dec. 19.
Safety device for vehicle passengers. V. H. Carlisle. 2,365,625; Dec. 19.
Safety fuel tank. D. and G. Cantello. 2,365,624; Dec. 19.
Sash and screen structure, Combination storm. V. E. Anderson. 2,365,238–9; Dec. 19.
Sash balance. A. Viehweger. 2,365,156; Dec. 19.
Saw equipment for tractors. L. D. Hillyer. 2,365,408; Dec. 19.
Scaling, Preventing reboiler. C. G. Gerhold. 2,365,543; Dec. 19.
Scarfing. W. G. Sylvester. 2,365,308; Dec. 19.
Scull for boats. E. H. Kruse. 2,365,415; Dec. 19.
Seal, Door. E. H. Galford. 2,365,403; Dec. 19.
Seal, Filter distribution. W. J. Hughes. 2,365,272; Dec. 19.
Seal, Fluid. A. J. Matter. 2,365,351; Dec. 19.
Seismic surveying. O. S. Petty. 2,365,289; Dec. 19.
Separation of fine particles from gases by the aid of a washing liquid. W. F. Mode. 2,365,483; Dec. 19.
Separator: *See*—
Magnetic separator.
Set torque wrench. H. P. Morris. 2,365,486; Dec. 19.
17-oxy-17-acyl-androstanones and derivatives thereof and making same, Saturated and unsaturated. L. Ruzicka. 2,365,292; Dec. 19.
Shears, Pruning. S. A. Drmic. 2,365,398; Dec. 19.
Sheet feeder. D. P. Sanford. 2,365,294; Dec. 19.
Shelf construction. W. A. Bockius. 2,365,622; Dec. 19.
Shield, Protective. M. R. Bell. 2,365,328; Dec. 19.
Short wave transmission line balancing system. P. F. Byrne. 2,365,453; Dec. 19.
Shrimp for canning, Preparing. C. H. Bloedorn. 2,365,519; Dec. 19.
Siftproof bag. J. L. Shively. 2,365,651; Dec. 19.
Signaling system. N. Langer. 2,365,568; Dec. 19.
Signaling system, Electric carrier wave. B. B. Jacobsen. 2,365,472; Dec. 19.
Signaling system, Traffic transportation. E. W. Kellogg and G. L. Dimmick. 2,365,474; Dec. 19.
Sleeve press. G. R. Bicknell and F. A. Heidenfelder. 2,365,448–9; Dec. 19.
Slip. S. Roodner. 2,365,596; Dec. 19.
Snowplough. F. J. Roth. 2,365,597; Dec. 19.
Spark control. S. M. Udale. 2,365,313; Dec. 19.
Spark gap device. W. G. Roman. 2,365,595; Dec. 19.
Spike, Plastic tie plate anchor. F. M. Graham and E. E. Martin. 2,365,545; Dec. 19.
Spool making apparatus. J. A. Johnson. 2,365,274; Dec. 19.
Spring. J. N. Weil. 2,365,160; Dec. 19.
Stand: *See*—
Implement stand.
Stapling machine. F. Muske. 2,365,429; Dec. 19.
Starch esterification. G. V. Caesar. 2,365,173; Dec. 19.
Starting gate, Fluid control. J. P. Whann. 2,365,314; Dec. 19.
Stereoscopic device. G. F. Hausherr. 2,365,547; Dec. 19.
Stereoscopic motion picture device. R. Oriol. 2,365,212; Dec. 19.
Stocking. T. Weisz. 2,365,161; Dec. 19.
Stripping machine. B. M. Packtor. 2,365,213; Dec. 19.
Structure, Selfsupporting. C. Daum. 2,365,252; Dec. 19.
Structural unit. W. Crawford. 2,365,175; Dec. 19.
Support: *See*—
Receptacle support.
Suturing instrument. H. H. Ogburn. 2,365,647; Dec. 19.
Switch: *See*—
Black-out switch. Mercury switch.
Electric switch.
Table: *See*—
Folding table.
Tabulating mechanism. H. T. Avery. 2,365,324; Dec. 19.
Tandem slider units. L. H. Morin. 2,365,578; Dec. 19.
Tank: *See*—
Oil settling tank. Safety fuel tank.
Tanning agents and making them. E. Schrim. 2,365,599; Dec. 19.
Tape-serving mechanism. A. P. Krueger. 2,365,477; Dec. 19.
Tappet. J. E. Fisk. 2,365,401; Dec. 19.
Telegraph system, Printing. E. M. Deloraine. 2,365,458; Dec. 19.
Telemetering instrument. J. M. Naul. 2,365,430; Dec. 19.
Tension indicating wrench. A. H. Lockheed. 2,365,419; Dec. 19.
Tester, Hardness. S. W. Lyon and F. C. Huyser. 2,365,348; Dec. 19.
Testing and working fixture, Combined. S. G. Johansson. 2,365,273; Dec. 19.
Testing materials. T., and A. V. De Forest. 2,365,553; Dec. 19.
Textile process and product. R. N. Foster. 2,365,402; Dec. 19.
Thermocouple, High-frequency. F. J. Moles. 2,365,207; Dec. 19.
Thermometer, Bimetallic. R. H. Murray. 2,365,487; Dec. 19.
Tilting chair mounting. W. F. Herold. 2,365,468; Dec. 19.
Tip-switch. A. W. Gair. 2,365,262; Dec. 19.

Tire building apparatus. U. C. Haren and V. H. Hasselquist. 2,365,341; Dec. 19.
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Ultrashort wave tube. E. Löpp, E. Zinke, and H. Berger. 2,365,420; Dec. 19.
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Vending machine. G. C. Bauman, J. E. Bolen, and E. H. Thompson. 2,365,165; Dec. 19.
Ventilator, Storm sash. M. H. Ave'Lallemant. 2,365,323; Dec. 19.
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Window control, Automobile. D. L. Chandler and G. W. Ewing. 2,365,454; Dec. 19.
Wire, Twisting. A. E. Winslow. 2,365,661; Dec. 19.
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Pipe wrench. Tension indicating wrench.
Set torque wrench.
Writing instrument assemblage. D. Kahn and J. W. Para. 2,365,473; Dec. 19.

CLASSIFICATION OF PATENTS

ISSUED DECEMBER 19, 1944

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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Consolidated Index to Classification Bulletins

In view of the many requests from attorneys for information as to the particular Classification Bulletins that should be seen to find all of the definitions of any one class, a Consolidated Index to Classification Bulletins has been prepared by the Classification Division.

A copy of this index may be seen in each of the following divisions:

Classification Division — Public Search Room
Publications Division — Issue & Gazette Division

Disclaimers

2,296,071.—*Carl Thumim*, Yeadon, Pa. ELECTRIC CIRCUIT BREAKER. Patent dated September 15, 1942. Disclaimer filed November 27, 1944, by the assignee, *General Electric Company*.

Hereby enters this disclaimer to claims 1, 4, and 6 of said patent.

2,340,059.—*Lee A. Kilgore*, Forest Hills, Pa. VAPOR ELECTRIC DEVICE. Patent dated January 25, 1944. Disclaimer filed November 25, 1944, by the assignee, *Westinghouse Electric & Manufacturing Company*.

Hereby enters this disclaimer to claim 4 of said patent.

Erratum

In Volume 568 of the OFFICIAL GAZETTE, November 14, 1944, page 206, under "Adjudicated Patents" Patent No. 2,269,188 should read *No. 2,266,929*.

Important Information

In ordering manuscript copies much time will be saved if the order states specifically what is desired, viz:

Application as originally filed. (Petition, specification, oath, and drawings, as received.) Application as amended. (Petition, specification, oath, and drawings with amendments entered.)

Application as allowed. (Petition, specification, oath, and drawings as passed by the Examiner for issue.)

Original application. (Facsimile petition, specification, oath, and drawings at present time.)

Specification as originally filed. (As received in Office.)

Specification as amended. (With amendments entered.)

Specification as allowed. (As passed by the Examiner for issue.)

Original specification. (Facsimile at present time.)

File-wrapper. (File-wrapper only.)

File-wrapper and contents. (File-wrapper, contents of record, including photoprints of any tracings or of prints within file-wrapper. In patented cases, printed copy of the specification and drawings of the patent is furnished.)

File-wrapper contents, and drawings. (File-wrapper and all of the contents of record, including photoprints of any tracings, exhibits, or prints within the file-wrapper. In pending cases, photoprints of the pending drawings only, omitting any canceled. If patented, copy of the specification and drawings of the patent being furnished, photoprints are not made of the original drawings unless specially ordered. If canceled drawings are wanted, they must also be specially ordered.)

Assignment. (Give the liber and page of the record as well as the name of the inventor.)

Printed publications in possession of the Office. (Give title and date of publication, also page and exact portion to be copied.)

Orders for copies of any other records not mentioned above must state specifically the exact paper to be copied.

Drawings

Attention is called to paragraphs g and i of Rule 52 of the Rules of Practice of the Patent Office, and inventors and attorneys are directed to omit from the space outside of the marginal line of the drawings any marks of identification, inasmuch as the space referred to is reserved for the use of the Patent Office. Such identifying marks should be placed upon the back of the drawings.

Condition of Applications Under Examination at Close of Business December 9, 1944

(Total number of applications awaiting action, excluding Trade-Mark Division, 53,676; Trade-Mark Division 1,917. Oldest new case, Jan. 10, 1944; oldest amended, Jan. 8, 1944.)
(The dates given are 1944 except where † indicates 1943)

Divisions, Examiners, and Subjects of Inventions	Oldest new application awaiting office action	Oldest amended application awaiting office action	No. of applications awaiting action
1. TUCKER, M. W., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	May 27	July 6	631
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	Mar. 1	Mar. 22	791
3. WOLFFE, S., Metal Founding; Metallurgy; Metal Treatment; Compositions (part)	Apr. 17	Apr. 18	1198
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Pneumatic Dispatch; Store Service; Mining, Quarrying and Ice Harvesting.	July 12	July 17	516
5. ROBINSON, C. W., Glass; Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps	Jan. 24	Jan. 28	1422
6. GENIESSE, E. W., Carbon Chemistry (part)	Apr. 21	June 22	1151
7. JARBOE, C. G., Optics, Photography	July 28	Aug. 2	771
8. IMUS, A. E., Furniture; Kitchen and Table Articles; Locks and Cabinets	July 13	July 8	715
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	May 11	May 12	917
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	July 31	Aug. 8	349
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Clutches and Power Stop Control	Feb. 3	Feb. 17	1153
13. BEALL, T. E., Gear Cutting, Milling, Planing; Metal Working (part); Needle and Pin Making; Turning	June 28	May 19	530
14. HANLIN, GEORGE, Metal Working (part); Farriery; Wire Fabrics	June 6	June 7	794
15. HENKIN, BENJ., Natural Resins, Rubber (part); Proteins, Carbohydrates and Derivatives; Plastics	July 1	May 6	706
16. SPENCER, O. J., Telegraphy; Telephony	May 11	May 6	565
17. HABECKER, LEON B., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Feb. 17	Feb. 14	564
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	Jan. 10	Jan. 8	936
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	May 9	Mar. 20	703
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part); Bank Protection; Safes.	June 19	June 13	573
21. THOMPSON, T. J., Textiles	Apr. 29	June 9	455
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance	May 1	May 8	1226
23. LEWIS, J. B., (Acting), Cash Registers; Calculators (part)	Mar. 9	Apr. 4	155
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines	Aug. 15	Aug. 11	462
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	May 1	May 4	788
26. YOUNG, R. R., Electricity—Generation and Motive Power	Mar. 1	Mar. 4	910
27. CLARK, W. N., Brush, Broom, and Mop Making; Brushing, Scrubbing and General Cleaning; Cleaning and Liquid Contact with Solids; Textiles, Fluid Treating Apparatus; Ironing; Washing Apparatus.	May 23	Mar. 1	648
28. SOLYOM, H. L, Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders, Pistons	Mar. 9	Mar. 4	839
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Package and Article Carriers; Woodworking; Tools; Metal Working, Assembling.	May 19	May 18	994
30. McCANN, LEO P., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	Mar. 22	Apr. 1	1014
31. DUNCOMBE, C. S., Hydrocarbons; Mineral Oils	July 6	July 7	971
32. LESH, K., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	July 7	June 24	768
33. HULL, J. S., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements; Plastic Block and Earthenware Apparatus.	Aug. 9	Aug. 10	686
34. SAPERSTEIN, S., Electricity—Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators	June 12	May 18	485
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	May 15	May 15	745
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	Apr. 8	Apr. 13	586
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Apr. 8	Mar. 18	863
38. KRAFFT, C. F., Coating Processes; Coating or Plastic Compositions (part); Rubber (part)	Apr. 24	Apr. 22	709
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	May 5	May 17	829
40. DRUMMOND, E. J., Receptacles (part); Packages	June 24	June 26	907
41. HERTZ, M., Coin Handling; Recorders; Deposit Receptacles; Counters and Calculators (part); Typewriting Machines; Check-Controlled Apparatus.	Mar. 21	Mar. 2	397
42. MARANS, H., Electric Signaling; Electricity, Galvanometers and Meters	June 19	June 19	603
43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	May 1	May 10	742
44. HARVEY, L. P., Refrigeration; Preserving	Jan. 21	Jan. 29	528
45. HILL, H. D., Shafting and Flexible Shaft Couplings; Wheels, Tires, Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part); Spring, Weight and Horsepower Motors.	Mar. 15	May 8	1257
46. O'LEARY, R. A., (Acting), Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Coating Apparatus.	Feb. 26	Feb. 26	606
47. KANOF, WM. J., Brakes; Boring and Drilling; Motor Vehicles; Land Vehicles (part)	June 10	June 21	875
48. ROEPKE, O. B., Electricity, General Applications; Electric Igniters	May 3	May 11	852
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	May 13	May 29	604
50. LEVIN, SAMUEL, Synthetic Resins	May 1	May 1	1440
51. CROCKER, A. W., Radiant Energy; Modulators	Apr. 20	Apr. 25	1480
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits; Ornamentation.	Apr. 27	May 2	1189
53. PECK, M. K., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	May 18	May 11	735
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	Feb. 2	Jan. 15	1024
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Laminated Fabrics (part)	May 2	May 2	572
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making	Apr. 15	Apr. 14	902
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	Mar. 21	May 1	867
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements	June 17	July 1	669
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds	Mar. 18	Apr. 6	1511
60. GLASS, R. L., Electricity-Heating; Welding; Furnaces; Batteries and Their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	Feb. 14	Feb. 14	985
61. YUNG KWAI, B., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Boats, Buoys and Ships.	May 22	June 27	747
62. PUGH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors	May 5	Apr. 21	1276
63. WINKELSTEIN, A. H., Poisons; Fermentation; Foods and Beverages; Oils and Fats	Apr. 4	Apr. 22	1001
64. NASH, P. M., Acetylene; Gas Mixers; Compositions (part); Fuel	July 27	July 21	851
65. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays (e. g., Amplifiers).	Mar. 23	Mar. 15	1083
Trade-Marks: RICHMOND, F. A	Sept. 26	Nov. 3	1917
Designs: KALUPY, H. H	Oct. 12	Nov. 17	855

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

THE CARBORUNDUM COMPANY

v.

ALOX CORPORATION

No. 4,897. Decided June 26, 1944; on petition for rehearing, October 2, 1944

[— F.(2d) —; 63 U. S. P. Q. 161]

1. APPEAL—RECORD.

Where the parties were involved in four oppositions and they stipulated that "a single record be accepted and used as a basis for decisions in all of said oppositions"; but only one opposition reached the Court of Customs and Patent Appeals, *Held* that counsel should have been able to agree upon a record on appeal containing only the matter pertinent to that one case.

2. TRADE-MARKS—CONFUSING SIMILARITY.

Appellee's mark "Alox" and appellant's mark "Aloxite" *Held* to bear a resemblance so close that, if applied to goods of the same descriptive properties, they would be likely to cause confusion.

3. SAME—GOODS OF THE SAME DESCRIPTIVE PROPERTIES.

"Oxidized petroleum hydrocarbon masses in paste to liquid form" *Held* not goods of the same descriptive properties as abrasive products, refractory materials, and aluminum oxide grain.

APPEAL from the Patent Office. Affirmed.

Mr. George E. Stebbins (*Mr. Donald A. Gardiner* of counsel) for The Carborundum Company.

Messrs. Pierce & Scheffler (*Mr. Ralph E. Parker* of counsel) for Alox Corporation.

GARRETT, *P. J.*:

This is an appeal from the decision of the Commissioner of Patents (speaking through an Assistant Commissioner), 56 U. S. P. Q. 111, affirming the decision of the Examiner of Trade-Mark Interferences dismissing appellant's notice of opposition (No. 21,056) to appellee's application (Serial No. 439,425) for registration of the notation "Alox" for "oxidized petroleum hydrocarbon masses in paste to liquid form," and holding appellee entitled to the registration sought.

Appellant's opposition is based upon its ownership, use, and registrations of a mark consisting of the coined word "Aloxite" on various products hereinafter described so far as pertinent to this case. There are five registrations of the mark, all of them antedating the date of appellee's application.

[1] The case is one of four oppositions (involving the same parties and the same contesting marks) which, by stipulation, were "consolidated for the purpose of taking testimony and hearing." The stipulation provided that "a single record be accepted and used as a basis for decisions in all of said oppositions." Separate decisions were rendered below. The other three oppositions were Nos. 20,928, 20,993, and 21,061. The Examiner of Trade-Mark Interferences sustained oppositions Nos. 20,928 and 20,993. Alox Corporation took no appeal from those decisions. He dismissed opposition No. 21,061 and adjudged Alox Corporation entitled to the registration there sought. The Carborundum Company appealed to the Commissioner, who affirmed the dismissal of the notice of opposition but held ex parte that Alox Corporation was not entitled to register, apparently because it had not shown use of "Alox" on the particular goods named in the application. (56 U. S. P. Q. 112.) No appeal was taken from that decision. Since those three cases are not before us, it is unnecessary to consider the reasons upon which the respective decisions of them below were based, but because of the fact that there was a consolidated record embracing evidence introduced on behalf of both parties, it has been necessary for us to go through a voluminous record in order to ascertain just what portions of it have any bearing in this case.

We shall not forbear saying that it seems to us that counsel for the respective parties should have been able to agree upon a record containing only the matter pertinent to this case. A considerable saving in printing costs would thereby have been effected, together with a saving of much valuable time which the court has had to expend in studying the evidence to ascertain just what part of it is applicable to this case. Neither the brief for appellant nor that for appellee has been very helpful to us in ascertaining the pertinent facts. The court has been compelled to do much work which counsel should have done.

As readily may be surmised, the goods of the Alox Corporation involved in the instant case are different from those involved in the other three cases, and this accounts, in part at least, for the difference in the conclusions reached in the several cases.

[2] So far as the marks themselves are concerned, it cannot be seriously questioned that they bear a resemblance so close that if applied to goods of the same descriptive properties they would be likely to cause confusion. Hence, the only question necessary to be determined relates to the nature of the goods. Specifically, the question is whether the goods of appellant and the goods of appellee possess the same descriptive properties.

In appellant's notice of opposition it is alleged, following the list of registrations, that:

> 3. Among the various products made and sold by the opposer and its predecessor prior to the earliest date of use alleged by the applicant have been abrasive products such as grinding wheels, sharpening stones, abrasive paper and cloth; refractory materials for use in making refractory cements, blocks, shapes, etc.; and *aluminum oxide grain sold for a large number of specific uses.* [Italics supplied.]

We do not find "aluminum oxide grain" mentioned eo nomine in any of appellant's pleaded registrations, but it is in evidence that the mark "Aloxite" was being used on aluminum oxide prior to the filing of appellee's application and there is evidence, as stated in effect in appellant's brief, that the aluminum abrasive was purchased by some

paint manufacturers for use in certain types of paint.

The Commissioner stated in his decision:

The opposition is based on prior registrations and uses by opposer of the mark "Axolite" for various abrasive materials, refractory materials and constructions, various grinding machines and filter plates. *One particular item is abrasive grains which may be mixed with grease or oil to produce grinding compounds for lapping and finishing operations, or may be introduced into paints to make the paints more wear resisting and less slippery.* Other items are abrasive sticks in which vaseline is incorporated and abrasive grinding wheels in which grease is incorporated. Opposer, however, does not sell paints and it does not appear that opposer sells lapping or finishing compounds as such under the name "Axolite". [Italics ours.]

With respect to the "oxidized petroleum hydrocarbon masses in paste to liquid form" the specific goods named in the particular application of appellee here involved, the Commissioner stated:

These products which are manufactured and sold by applicant are base materials for addition in minute quantities to lubricants, greases, oils, gasoline, paints, and similar materials, to enhance lubrication, or to increase corrosion prevention, or both. Applicant sells the base materials only. These are sold to compounders who introduce them into the oil, gasoline, etc., to make the final products. *It appears that applicant has not sold any such base material to point concerns and does not sell any of the compounded final products.* [Italics ours.]

Appellant has challenged the accuracy of the italicized statement in the above findings and contends, in effect, that some of the products manufactured by appellee are shown to have been used by purchasers of them for incorporation into certain paints. This appears to be true to the extent that a "copper salt," produced by appellee, was advertized as being "invaluable in underwater paints to prevent marine growth on objects." Also, it was stated in the advertising circular that such salt "may also be used to impregnate nets and cordage," and, further, that a very cheap product as poisonous as creosote was manufactured for pilings, telephone poles, and the like. Reference was also made in the testimony of Dr. Arthur W. Burwell, vice president and technical director of appellee, to a lead salt for use on some leaded paints. However, we do not find anywhere in the record any evidence that "oxidized petroleum hydrocarbon masses in paste to liquid form" (which constitute the particular product involved in this application and the one to which the Commissioner obviously referred in the challenged finding) were sold to paint concerns, or that they were ever used, or represented to be of any value for use, in paints.

So, no error is apparent in the finding of the Commissioner so challenged. It may be stated that the products of appellee having a use in paints apparently were involved in oppositions Nos. 20,928 and 20,993 which, as above stated, were decided in appellant's favor by the Examiner of Trade-Mark Interferences from which decisions no appeals were taken.

We think it possible that some confusion may have grown out of certain dictum appearing in that paragraph of the Commissioner's decision which reads:

Opposer [appellant] asserts that applicant's base material and opposer's abrasive grains are goods of the same descriptive properties because they both may be introduced into the same paints. However, the materials are constituted entirely differently physically, chemically and functionally, serving entirely different purposes, and in my opinion the mere fact that *both materials may be introduced into the same paint, but for entirely different purposes, and may be purchased by the same paint manufacturers for the compounding of paints, is not sufficient in view of the differences in the materials to establish the materials as goods of the same descriptive properties.* Similarly, in my opinion, the mere fact that opposer's abrasive sticks and wheels contain some lubricant that lubricants are used therewith for cooling and lubricating purposes and applicant's product may be introduced into lubricants to enhance their lubricating and anti-corrosion properties does not render the abrasive sticks or wheels and applicant's oxidized hydrocarbon base material goods of the same descriptive properties. The differences in the physical, chemical and functional constitution of the products are too great. [Italics ours.]

Inasmuch as there is no showing that appellee's "oxidized petroleum hydrocarbon masses in paste to liquid form" are ever introduced into or used in paints of any character, the clause italicized above obviously is dictum, so far as this case is concerned.

The Commissioner was clearly right, however, in his finding that the materials of appellee here involved "are constituted entirely differently physically, chemically and functionally, serving entirely different purposes," from the articles named in appellant's notice of opposition in this case, including, of course, the articles named in appellant's several pleaded registrations.

As we understand from the record, the particular product of appellee here involved is manufactured to be added to gasoline used as a fuel in internal combustion engines (such, for example, as those in automobiles), the purpose of its use being to effect lubrication and prevent corrosion of parts of the engines. It is not sold by appellee to ultimate consumers but to processors of gasoline who use it as they desire in the production of a fuel which they (under their own trade-marks, not related in any way to appellee's mark) sell to consumers.

Obviously, appellant's oxide grain material, made for use as an abrasive, would never be used voluntarily by any person "clothed, and in his right mind," in an internal combustion engine.

[3] We agree with the holdings of the respective tribunals of the Patent Office that the goods of appellee here involved and the goods of appellant are not of the same descriptive properties.

The decision of the Commissioner is affirmed.

Affirmed.

On petition for rehearing

GARRETT, *P. J.*:

Following the delivery of the above decision on June 26, 1944, appellant, in due time, filed a petition for rehearing which has received our careful consideration, in connection with a reexamination of the somewhat voluminous record, much of which relates to three oppositions decided below and not appealed to us. As originally stated by us, the testimony in the several cases is so intertwined that the court experienced much difficulty in determining just what parts of it were pertinent only to the instant case.

In its petition for rehearing appellant has apparently endeavored to segregate the testimony here pertinent, and that has proved helpful in our restudy of the issues.

The petition alleges as point I that we incorrectly found that the particular product here involved is manufactured to be added to gasoline used as fuel in internal combustion engines. As point II it is alleged that we were mistaken in finding that the goods of the Alox Corporation involved in the instant case are different from those involved in the other three cases, and as point III it is alleged that the court was mistaken in holding that there is no showing that appellee's oxidized petroleum hydrocarbon masses in paste to liquid form are ever introduced into or used in paints of any character.

It seems most logical to comment first upon point II.

The four applications of appellee which became involved in oppositions were all filed in the Patent Office on the same day, to wit, January 6, 1941. It would seem to be a natural inference, even if nothing further appeared, that the goods in each case differed from those in the other cases; otherwise, separate registrations of the same mark—"Alox"—would appear to have been unnecessary. But more appears. The several applications were made a part of the record upon request of counsel for appellant. An examination of these as they were amended disclosed definite differences in both the designation of the respective products and in the uses of same. It is deemed unnecessary to enter into details as to such differences, but it may be said that in applications Serial Nos. 439,423 and 439,424 specific reference is made to a paint use, or a use in the nature of paint, of certain of the goods named; that in application, Serial No. 439,422, the product is described as "lubricating oils and greases, and penetrating lubricating oils"; and that in the case before us the designation reads "for oxidized petroleum hydrocarbon masses in paste to liquid form for general use in the industrial arts," no reference being made to any paint use.

We think it obvious that the Examiner of Trade-Mark Interferences based his decisions in those cases (in which he sustained the oppositions and from which no appeals were taken), primarily upon the fact that the applications involved therein specifically referred to the goods as in the nature of paints and stated that they were used as paints, and so, in his view, conflicted with the goods of appellant. In opposition No. 21,061, involving application Serial No. 439,422, he dismissed the notice of opposition holding that the goods were not of the same descriptive properties as the goods of appellant and this holding was expressly approved by the Commissioner, the decision of the latter refusing registration being ex parte, and on a different ground. We are not convinced from the evidence cited by appellant in his petition that we were mistaken as alleged in point II.

We turn to point I. If our expression

"As we understand from the record, the particular product of appellee here involved is manufactured to be added to gasoline used as a fuel in internal combustion engines (such, for example, as those in automobiles),"

be construed as limiting it to use in combustion engines, apparently the statement would be too narrow. It may be conceded that it is not so limited in use, but in whatever mechanism it may be used such use is for purposes of lubrication and the prevention of corrosion; not for purposes of abrasion and not for painting. It may be said, to be exact, that the evidence indicates that the

"oxidized petroleum hydrocarbon masses in paste to liquid form"

are not introduced in that form into gasoline, but are first mixed with light lubricating oils by the fuel processors to whom appellee sells the product, and the mixture is introduced. This fact, however, is not of any consequence here, nor does the fact that the product may have some uses in mechanisms other than internal combustion engines affect our conclusion.

With respect to the third point alleging that we were mistaken in holding that there is no showing that appellee's product here involved is ever introduced into or used in paints of any character the petition cites certain testimony by Mr. A. W. Burwell, vice president and technical director of appellee. This testimony has been reexamined in the light of appellant's contentions. The statement of this witness upon which appellant relies was made in answer to a question propounded in cross-examination which apparently referred to his course of business in relation to the product described in application No. 439,423 and not the product described in application No. 439,425. The answer, therefore, is not pertinent to the instant case unless appellant's theory that the product here involved is not different from that involved in application No. 439,423 be accepted which, in our opinion, may not properly be done. No other evidence has been cited, nor have we found any, which leads us to change our finding in this regard.

The petition for rehearing has been granted solely for the purpose of more fully expressing in writing our views upon the points raised therein. We feel assured that the conclusion originally reached was correct and the same is adhered to, the decision of the Commissioner being again affirmed.

Notices of Cancellation

U. S. PATENT OFFICE, *Richmond, Va., Dec. 5, 1944.*

Max Wulfsohn, Inc., its assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by John D. Gaumer, 5556 S. Mozart St., Chicago, Ill., to effect the cancellation of trade-mark registration of Max Wulfsohn, Inc., 263 West 30th St., New York, N. Y., No. 359,863, dated August 30, 1938, and the notice of such proceeding sent by registered mail to the said Max Wulfsohn, Inc., at the said address having been returned by the post office undelivered, notice is hereby given that unless said Max Wulfsohn, Inc., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Richmond, Va., Dec. 7, 1944.*

Artera, Inc., its assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by John D. Gaumer, 5556 S. Mozart St., Chicago, Ill., to effect the cancellation of trade-mark registration of

Artera, Inc., 70 East 18th St., Chicago, Ill., No. 309,033, dated December 26, 1933, and the notice of such proceeding sent by registered mail to the said Artera, Inc., at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Artera, Inc., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Interference Notices

U. S. PATENT OFFICE, *Richmond, Va., Dec. 7, 1944.*

Tucker & Goodwin, Inc., its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of The Wilson Mercantile Co., 734 Jefferson St., Wausau, Wis., for registration of a trade-mark and trade-mark registered July 14, 1925, No. 201,021, to Tucker & Goodwin, Inc., 8, 10, and 12 Hurlburt St., Hartford, Conn., and the notice of such proceeding sent by registered mail to said Tucker & Goodwin, Inc., at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Tucker & Goodwin, Inc., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Richmond, Va., Dec. 7, 1944.*

Jennings Bakery, its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Fruen Milling Company, Glenwood & Thomas Ave. No., Minneapolis, Minn., for registration of a trade-mark and trade-mark registered July 24, 1928, No. 244,744, to Jennings Bakery, 876 Jennings St., Bronx, New York, N. Y., and the notice of such proceeding sent by registered mail to said Jennings Bakery at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Jennings Bakery, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Adjudicated Patents

(D. C. Calif.) Cole and McLaren patent, No. 2,025,698, for apparatus for making blocks of solidified carbon dioxide and a liquefying system, claims 4, 31, 32, 33, 34, 36, 38, and 39 *Held* invalid and not infringed. *International Carbonic Engineering Co.* v. *Natural Carbonic Products*, 57 F. Supp. 248; 62 U. S. P. Q. 413.

(D. C. Ohio.) Fisher patent, No. 2,072,070, for a friction article for use as a brake or clutch lining, *Held* invalid. *General Metals Powder Co.* v. *S. K. Wellman Co.*, 57 F. Supp. 220; 62 U. S. P. Q. 490.

(D. C. Ohio.) Fisher patent, No. 2,191,460, for a method of attaching a friction article for use as a brake or clutch lining to metal backing plates, *Held* invalid. *Id.*

BULLETIN OF DECISIONS OF PATENT OFFICE ON TRADE-MARKS

RENDERED DURING NOVEMBER, 1944

EX PARTE GAMBLE STORES INCORPORATED, Serial No. 456,214.

In a decision rendered November 2, 1944 (166 Ms. Dec. 631, 63 U. S. P. Q. 157), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks refusing to register, on the application of Gamble Stores Incorporated, of Minneapolis, Minn., as a mark the word "Richwood," printed upon a background said to represent a wooden panel, for various articles of household furniture, under the act of February 20, 1905, on the ground that it is merely a geographical name or term.

It was held that the mark sought to be registered is merely a geographical name or term, notwithstanding applicant's arguments that the word, being a combination of the two words "rich" and "wood," is suggestive of the high quality of the wood with which applicant's furniture is built; that all of the towns named "Richwood" are relatively small, and that none of them is located in applicant's home state; and that applicant pointed to a number of marks somewhat similar to its own in respect to their geographical significance, and to several consisting in the same word, all of which had been registered under the act of 1905, but prior to the decision in *In re Lamson & Co.*, 30 C. C. P. A. 1030, 135 F.(2d) 1021.

EX PARTE GEHRING PUBLISHING COMPANY, Serial No. 459,656.

In a decision rendered November 4, 1944 (166 Ms. Dec. 632, 63 U. S. P. Q. 159), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks refusing to register on the application of Gehring Publishing Company, of New York, N. Y., a mark which is the title of the publication with which it is used, "Hotel World-Review," under which appears the disclaimed legend "The Weekly Newspaper for Hotel Restaurant & Club Executives." Applicant has also disclaimed the word "Hotel" in the title, but has declined to comply with the Examiner's requirement that the word "Review," which he held to be descriptive of the goods, be likewise disclaimed.

It was held that examination of specimens of applicant's publication which were filed shows that they fall squarely within one dictionary definition of the word "review," namely, a general survey or view, as of the events of a period.

It was held that the Examiner would have been justified in refusing the proposed registration on the ground that the mark as a whole is descriptive, because the notation "Hotel World-Review" obviously means a review of the hotel world, notwithstanding that in years gone by many descriptive marks have been registered for publications; since the erroneous practice that had developed in the Patent Office has been corrected.

CELANESE CORPORATION OF AMERICA *v.* AMERICAN VISCOSE CORPORATION, Cancelation No. 4321.

In a decision rendered November 4, 1944 (166 Ms. Dec. 634, 63 U. S. P. Q. 158), *First Assistant Commissioner Frazer* denied a petition by American Viscose Corporation, of Wilmington, Del., seeking a review and reversal of various orders of the Examiner of Interferences sustaining the objections of the party Celanese Corporation of America, of New York, N. Y., to certain interrogatories propounded in accordance with rule 33 of the Rules of Civil Procedure. The interrogatories are directed to the dates, manner and extent of use of a registration relied upon by Celanese Corporation of America as a basis for cancelation of a trade-mark registration issued to American Viscose Corporation.

It was held that in opposition proceedings the validity of an opposer's registered trade-mark is not open to attack; and unless the registration involved is sought to be canceled, the same rule applies in cancelation proceedings.

It was held that American Viscose Corporation could long since have petitioned for cancelation of the registration relied upon by Celanese Corporation of America, either by counterclaim or in an independent proceeding; and having failed to do so, its interrogatories go to matters that are wholly irrelevant to the issues here involved.

KAYLON INCORPORATED *v.* ARROW IMPORTING COMPANY, INC., Opposition No. 22,503.

In a decision rendered November 6, 1944 (166 Ms. Dec. 636, 63 U. S. P. Q. 160), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences dismissing the opposition of Kaylon Incorporated, of New York, N. Y., to the application of Arrow Importing Company, Inc., of Cleveland, Ohio, for registration of the word "Corduroyal," displayed in association with a rather elaborate design, as a trade-mark for wearing apparel for men, women, and children, namely, jackets, coats, reversible coats, and raincoats. Opposer relied upon its registration of the trade-mark "Cordolite" for negligee and dress shirts.

It was held that although the initial parts of both marks are identical, they are conceded to be suggestive, if not actually descriptive, and such parts of registered marks may be more or less disregarded in determining the question of their similarity to marks sought to be registered since the

remaining portions of the marks are sufficiently dissimilar to obviate likelihood of confusion between the marks as a whole and the goods of the parties are not identical.

EX PARTE A. O. SMITH CORPORATION, Serial No. 447,620.

In a decision rendered November 7, 1944 (166 Ms. Dec. 639, 63 U. S. P. Q. 162), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks refusing to register to A. O. Smith Corporation, of Milwaukee, Wis., the notation "Smith way" under the provisions of the act of February 20, 1905, in the absence of a disclaimer of the word "Smith," which the Examiner held to be merely the name of an individual.

It was held that the surname "Smith," although having other meanings, is not subject to exclusive appropriation as a trade-mark.

Although applicant in its brief treated its mark as though it were the unitary word "Smithway," on the drawing and in the accompanying specimens, it is not only printed in two words, but the name appears in block capitals while the word "way" is written in lower case script, so that the Examiner was right in requiring a disclaimer of the nonregistrable word "Smith."

Applicant's contention that the association of the name "Smith" with the word "way" results in a distinctive display was held to be clearly untenable since the requirement of the statute is that, in order to be registrable, the name itself be written, printed, impressed, or woven in some particular or distinctive manner, or in association with a portrait of the individual.

CAMPANA CORPORATION *v.* HARRY R. LUKAISER, Opposition No. 22,849.

In a decision rendered November 7, 1944 (166 Ms. Dec. 640, 63 U. S. P. Q. 161), *First Assistant Commissioner Frazer* denied the motion to dispense with oral hearing and to set times for filing briefs in the near future, of Campana Corporation, of Batavia, Ill., whose appeal from the decision of the Examiner of Interferences dismissing its opposition to the application of Harry R. Lukaiser, of New York, N. Y., for registration of a trade-mark is now pending, since the opposed application of Lukaiser has been finally rejected in another proceeding; so that opposer can suffer no prejudice through delay; and if, when the appeal is reached for hearing, opposer desires to waive oral argument and submit its case on brief, that is opposer's privilege; but the Patent Office has no authority to deprive applicant of his right to an oral hearing.

SCHUCKL & CO., INC., *v.* B. T. BABBITT, INC., Opposition No. 22,453.

In a decision rendered November 10, 1944 (166 Ms. Dec. 641, 63 U. S. P. Q. 183), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences sustaining the opposition of Schuckl & Co., Inc., of Sunnyvale, Calif., to the application of B. T. Babbitt, Inc., of New York, N. Y., for registration of the notation "Aunt Polly's" as a trade-mark for dehydrated soup mixtures, namely, beef noodle, chicken noodle, vegetable noodle, Yankee bean, split green pea, and old fashioned potato. The opposition was predicated upon opposer's trade-mark "Aunt Penny's," registered for fruits in glass and canned vegetables, which registration antedates applicant's first use of the mark sought to be registered on the goods named in the application.

Although opposer's early use of this mark was very limited, and had not been increased to any great extent at the time the testimony was taken, it was held that since an opposer need not have used the registered mark upon which it relies in order to prevent the registration of a confusingly similar mark to another, a fortiori, a slight use is sufficient.

It was held that it is clear beyond question that canned vegetables and dehydrated soup mixtures are goods of the same descriptive properties.

In response to applicant's argument that because the goods are specifically different, and the marks are not identical, the latter may be employed concurrently without any reasonable likelihood of confusion, it was held that "Penny's" and "Polly's" do not differ greatly either in appearance or in sound; and when both are preceded by the common title "Aunt" their similarity in these respects is enhanced, and they also take on a similar significance, so that the opposition was properly sustained.

It was held that applicant's prior use of the mark in connection with cleanser and various premiums is of no avail to applicant in the present proceeding since neither the cleanser nor the premiums have the same descriptive properties as food products.

THE KROGER GROCERY & BAKING COMPANY *v.* MAINE POTATO GROWERS, INC., Cancelation No. 4327.

In a decision rendered November 11, 1944 (166 Ms. Dec. 643, 63 U. S. P. Q. 184), on appeals by both parties, *First Assistant Commissioner Frazer* reversed the action of the Examiner of Interferences who had sustained the petition of The Kroger Grocery & Baking Company, of Cincinnati, Ohio, to cancel trade-mark registration No. 317,199, issued September 18, 1934, under the provisions of the act of February 20, 1905, to Maine Potato Growers, Inc., of Fort Fairfield, Maine, disclosing the trade-mark "Toptater," appropriated to potatoes in their natural state, on the ground that this mark is merely descriptive of the goods, and that petitioner in common with other distributors of potatoes is damaged by the existence of the registration.

The appeal of The Kroger Grocery & Baking Company was dismissed, since it was held that no appeal lies from a favorable decision.

It was held that petitioner neither pleaded nor proved that it is a distributor of potatoes.

A motion to amend the petition, alleging that potatoes are among the food products petitioner sells, proposed under rule 15(*b*) of the Rules of Civil Procedure, was denied since that rule provides for such amendment of the pleadings as may be necessary to cause them to conform to the evidence; but the record of the instant case contains no evidence to support the amendatory allegation.

It was held that petitioner's ownership of a registration of the trade-mark "Top-o-th Mornin" for coffee, butter and food-flavoring vanilla extract and lemon extract, was sufficiently established by a recorded assignment, but that the goods covered by that registration are not of the same descriptive properties as respondent's goods; and even if they were, the marks "Toptater" and "Top-o-th Mornin" are not confusingly similar.

MAINE POTATO GROWERS, INC., *v.* THE KROGER GROCERY & BAKING COMPANY, Opposition No. 22,610.

In a decision rendered November 11, 1944 (166 Ms. Dec. 645, 63 U. S. P. Q. 185), *First Assistant Commissioner Frazer* reversed the action of the Examiner of Interferences who had sustained the opposition of Maine Potato Growers, Inc., of Presque Isle, Maine, to the application of The Kroger Grocery & Baking Company, of Cincinnati, Ohio, for registration of the notation "Kroger's Top Ten," appropriated to potatoes. The action of the Examiner of Interferences adjudging applicant's mark nonregistrable, ex parte, because descriptive of the goods with which it is used, was also reversed. Opposer relied upon its ownership of the trade-mark "Toptater," previously registered for the same goods.

Although it was the Examiner's opinion that these marks are of such near resemblance as to be likely to cause confusion when applied to identical goods, it was held that the three-word mark "Kroger's Top Ten" is not confusingly similar to the unitary expression "Toptater," since they differ widely in appearance and in sound, and they have no similarity in meaning save that each may be suggestive of quality, so that the opposition should be dismissed.

Although the Examiner of Interferences properly held the words "Top Ten" to be descriptive, applicant having trade-mark ownership in the name "Kroger's" by reason of its registration under the so-called ten-year proviso of the act of 1905, it was held that applicant's mark is necessarily dominated by the name and would be registrable, subject to the filing by applicant of an appropriate disclaimer of the words "Top Ten."

In response to opposer's contention that the proposed registration should be refused on the ground that applicant has not used the mark sought to be registered, it was held that while there is no direct evidence that applicant has used the mark, there is no evidence to the contrary sufficient to overcome the sworn statement in the application concerning use of the mark.

MCMULLEN-LEAVENS COMPANY *v.* WM. ANDERSON TEXTILE MFG. CO., LTD., Cancelation Nos. 4173 and 4174.

In a decision rendered November 23, 1944 (166 Ms. Dec. 648, — U. S. P. Q. —), *First Assistant Commissioner Frazer* denied identical petitions in two trade-mark cancellation proceedings whereby the party Wm. Anderson Textile Mfg. Co., Ltd., of New York, N. Y., seeks reversal of the actions of the Examiner of Interferences denying identical motions brought under rule 30(*b*) of the Rules of Civil Procedure to limit the scope of the examination of certain witnesses whose depositions are proposed to be taken by the party McMullen-Leavens Company, also of New York, N. Y.

It was held that since the Examiner properly exercised his discretion, the petitions may well be denied on that ground alone.

However, the reasons for agreement with the Examiner's rulings were stated briefly. In response to petitioner's arguments to the effect that McMullen-Leavens Company should not be permitted to take testimony in an attempt to prove the matters to which the interrogatories were directed where the Commissioner has ruled that the interrogatories need not be answered, it was held that there may be many valid objections to proposed interrogatories, that would not apply to testimony on the same subject matter; and in these proceedings such testimony might have been taken under the Federal Equity Rules regardless of the disposition made of the interrogatories.

GREAT LAKES VARNISH WORKS, INC., *v.* SOLAR CORPORATION, Interference No. 3402.

In a decision rendered November 28, 1944 (166 Ms. Dec. 652, — U. S. P. Q. —, *First Assistant Commissioner Frazer*, on appeals by both parties, affirmed the action of the Examiner of Interferences holding that neither party is entitled to the registration for which it has applied. The interference involves the application of Solar Corporation, of Milwaukee, Wis., the senior party, filed February 2, 1942, for registration of the word "Solar" as a trade-mark for ready mixed paints, paint enamels, varnishes, liquid floor wax, and raw and boiled linseed oils, and the application of Great Lakes Varnish Works, Inc., of Chicago, Ill., the junior party, filed February 15, 1943, for registration of the word "Solarex" as a trade-mark for ready mixed paints, paint enamels, and varnishes. As between themselves, the junior party was the first to adopt and use the trade-mark in question, but the senior party asserted priority by virtue of an assignment.

It was held that it is clear from the testimony that an existing business was not transferred to the senior party, and the assignment thus worked a mere abandonment by the assignor; and as both marks here sought to be registered were then in use by the respective parties, neither party is entitled to an award of priority as against the other, and neither mark may properly be registered.

It was also held that the Examiner of Interferences rightly ruled the junior party's mark to be nonregistrable because merely the senior party's corporate name, since the registration here proposed by the junior party is barred under the doctrine of res judicata by virtue of the decision in a previous opposition between the same parties, in which it had been held that there not only is confusing similarity between "Super Solarex" and opposer's trade-mark "Solar," but also that "Super Solarex" is an appropriation of opposer's corporate name, of such character and extent as to negative applicant's right to the registration for which it has applied.

EX PARTE ZIFF-DAVIS PUBLISHING COMPANY, Serial No. 456,356.

In a decision rendered November 29, 1944 (166 Ms. Dec. 655, — U. S. P. Q. —), *First Assistant Commissioner Frazer* affirmed the Examiner's refusal to register to Ziff-Davis Publishing Company, of Chicago, Ill., the word "Flying," under the provisions of the act of March 19, 1920, as a trade-mark for a periodical which appears to be a monthly magazine, of which the mark sought to be registered is the title. Registration was refused in view of the three trade-marks "Flying Aces," registered under the act of 1905 for a monthly magazine; "Popular Flying," registered under the act of 1905 for magazines published every month; and "Flying Manual," registered under the act of 1920 for a publication appearing annually or in approximately annual periods.

As to the latter publication, it was held that, broadly speaking, it is doubtless of the same descriptive properties as applicant's magazine; but because of its specific differences therefrom, and the inclusion of the word "Manual" in its title, the concurrent use of that title and applicant's would not be likely to cause confusion.

It was held, however, that there are no such differences between applicant's monthly magazine and the monthly magazines bearing the titles "Flying Aces" and "Popular Flying" because, as described in the application and in the respective registrations, they may be, or become, so nearly alike as to be considered substantially identical in kind; and as applied to such goods it seems clear beyond argument that the word "Flying" alone may readily be confused with either "Flying Aces" or "Popular Flying."

In response to applicant's assertion that the "Popular Flying" mark has been abandoned through nonuse, it was held that the registrant disclaims any intention to abandon; so that the registration can be overcome as a reference, if at all, only by the institution of an appropriate cancelation proceeding.

In respect to counsel's citation of an unpublished court decision holding one of the marks to be invalid, it was held that there has been no order that the registration be canceled, and it still stands as a statutory bar to the registration of confusingly similar marks for merchandise of the same descriptive properties.

MCKESSON & ROBBINS, INCORPORATED, *v.* FRED S. HIRSCH, Opposition No. 22,625.

In a decision rendered November 29, 1944 (166 Ms. Dec. 654, — U. S. P. Q. —), *First Assistant Commissioner Frazer*, on appeals by both parties, affirmed the action of the Examiner of Interferences dismissing the opposition of McKesson & Robbins, Incorporated, of New York, N. Y., to the application of Fred S. Hirsch, of Los Angeles, Calif., for registration of the word "Innerlax" as a trade-mark for laxatives, and refusing the registration applied for. Opposer pleaded, but failed to prove, its ownership of an old registration to a third party of the trade-mark "Analax" for the same goods.

The applicant, having neither filed a brief nor appeared for oral argument on appeal, and opposer making no serious contention but that the decision appealed from is sound, it was held that the Examiner rightly dismissed the opposition because opposer's ownership of the registration was not established, and rightly held that the registered mark and applicant's mark were confusingly similar; so that regardless of ownership, the registration was a statutory bar to the proposed registration of applicant's mark.

BOTANY WORSTED MILLS *v.* M. & W. THOMAS CORP. (M. & W. THOMAS CO., ASSIGNEE, SUBSTITUTED), Opposition No. 22,580.

In a decision rendered November 29, 1944 (166 Ms. Dec. 661, — U. S. P. Q. —), *First Assistant Commissioner Frazer* reversed the action of the Examiner of Interferences who had sustained the opposition of Botany Worsted Mills, of Passaic, N. J., to the application of M. & W. Thomas Corp. (M. & W. Thomas Co., Assignee, Substituted), of New York, N. Y., for registration of the word "Bandley" as a trade-mark for neckties, but affirmed the action of the Examiner of Interferences, adjudging applicant not entitled to the proposed registration. The opposition was predicated upon opposer's ownership of the trade-mark "Botany," registered for the same goods prior to applicant's claimed date of first use.

It was held that the opposition should be dismissed because "Botany" and "Bandley" do not look alike, sound alike, or have any similarity in significance, so that there is no reasonable likelihood that their concurrent use on identical merchandise would confuse the public or deceive purchasers.

It was held that since it affirmatively appears from applicant's own evidence that applicant has not used the mark it seeks to register upon the goods named in the application, registration must be refused.

TRADE-MARKS

OFFICIAL GAZETTE, DECEMBER 26, 1944

[VOL. 569. No. 4]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 473,630. ARISTON, INCORPORATED, New York, N. Y. Filed Aug. 26, 1944. Under the act of February 20, 1905, as amended June 10, 1938.

ARISTON

Applicant is the owner of Reg. No. 391,299.
FOR CUT FLOWERS.
Claims use since Nov. 18, 1941.

Ser. No. 474,248. HOWARD MORGAN SMITH, doing business as Tube-Lube Company, Chattanooga, Tenn. Filed Sept. 15, 1944.

TUBE-LUBE

No claim is made to the word "Tube" apart from the mark.
FOR POWDER IN THE NATURE OF A TIRE TALC FOR USE ON AND BETWEEN NEW OR USED TIRES AND TUBES BOTH NATURAL AND SYNTHETIC TO PREVENT STICKING, MINIMIZE PINCHING AND REDUCE HEATING.
Claims use since Nov. 27, 1943.

Ser. No. 474,534. B. D. EISENDRATH TANNING CO., Chicago, Ill. Filed Sept. 23, 1944.

COL-MOOR CALF

Applicant disclaims the word "Calf" apart from the mark.
FOR LEATHER.
Claims use since Oct. 27, 1939.

Ser. No. 474,535. B. D. EISENDRATH TANNING CO., Chicago, Ill. Filed Sept. 23, 1944.

PURITAN VEALS

Applicant disclaims the word "Veals" apart from the mark.
FOR LEATHER.
Claims use since Jan. 1, 1920.

Ser. No. 474,536. B. D. EISENDRATH TANNING CO., Chicago, Ill. Filed Sept. 23, 1944.

RADAR CALF

Applicant disclaims the word "Calf" apart from the mark.
FOR LEATHER.
Claims use since July 14, 1944.

Ser. No. 475,133. SHOE COVERS CORPORATION, New York, N. Y. Filed Oct. 9, 1944.

SPRAYLAT

Applicant is the owner of Reg. No. 395,634.
FOR AQUEOUS DISPERSIONS OF NATURAL OR SYNTHETIC RESINS OR OTHER PLASTIC COMPOSITIONS FOR USE AS A PROTECTIVE COATING ON ARTICLES EITHER IN THE FINISHED OR UNFINISHED STATE.
Claims use since Dec. 23, 1942.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 474,022. BENJAMIN R. BRODY, Los Angeles, Calif. Filed Sept. 9, 1944.

AMERICAN HERITAGE

The word "American" is disclaimed apart from the mark.
FOR LADIES' HANDBAGS.
Claims use since July 1, 1944.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 473,861. LENTHERIC, INCORPORATED, New York, N. Y. Filed Sept. 2, 1944.

Lenthéric

FOR TOILET, BATH AND SHAVING SOAPS AND SHAVING CREAMS.
Claims use since 1873.

Ser. No. 474,211. FRED J. SANDERS, doing business as Spray-X Company, Maywood and Chicago, Ill. Filed Sept. 14, 1944.

SPRAY-X

The word "Spray" is disclaimed other than as used in the accompanying mark.

FOR PREPARATION FOR CLEANING AND POLISHING GLASS AND SIMILAR POLISHED SURFACES.

Claims use since June 17, 1943.

Ser. No. 475,047. M. M. EISIMINGER, doing business as Nivram Manufacturing Co., Kansas City, Mo. Filed Oct. 7, 1944.

NIVRA

FOR SURFACE CLEANING COMPOUND IN POWDERED AND FLAKE FORM.

Claims use since Aug. 14, 1944.

Ser. No. 475,086. VITA-VAR CORPORATION, Newark, N. J. Filed Oct. 7, 1944.

SURFA-TONE

The word "Tone" is disclaimed apart from the mark.

FOR CLEANING AND POLISHING PREPARATION FOR SILVERWARE, METALS OF ALL TYPES, GLASS, AND MIRRORS, WHICH MAY ALSO BE USED FOR CLEANING AND POLISHING FURNITURE, FLOORS, AND WOODWORK.

Claims use since Aug. 10, 1944.

Ser. No. 475,270. QUAKER CHEMICAL PRODUCTS CORPORATION, Conshohocken, Pa. Filed Oct. 12, 1944.

THERMOL

FOR SCOURING AGENTS FOR USE IN THE TEXTILE INDUSTRIES.

Claims use since Oct. 1, 1935.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 463,978. REVLON PRODUCTS CORPORATION, New York, N. Y. Filed Oct. 7, 1943.

BRIGHT FORECAST

FOR NAIL ENAMEL, LIPSTICK, AND FACE POWDER.

Claims use since Aug. 4, 1943.

Ser. No. 467,297. NADAIR PARFUMS, INC., Los Angeles, Calif. Filed Feb. 9, 1944.



The words "Eau De Parfum," "Nadair Parfums, Inc.," "Distributors," "Net Contents 4 Fl. Ozs." and "Los Angeles, California," and the representation of the container appearing in the drawing are hereby disclaimed as being a part of the trade-mark to be registered.

FOR PERFUMES.

Claims use since Nov. 24, 1943.

Ser. No. 470,203. VICTOR LEON, Waterbury, Conn. Filed May 12, 1944.



The picture is fanciful. Applicant disclaims the word "Cut" except as shown.

FOR HAIR LOTIONS AND SCALP MASSAGE CREAM.

Claims use since January 1942.

Ser. No. 470,760. TONY P. GEORGE, Hyattsville, Md. Filed May 29, 1944.

ANAGENO

FOR MEDICINAL PREPARATION—NAMELY, A LAXATIVE.

Claims use since May 25, 1944.

Ser. No. 470,761. TONY P. GEORGE, Hyattsville, Md. Filed May 29, 1944.

KAITA

FOR MEDICINAL PREPARATIONS—NAMELY, A COMPOUND FOR THE TREATMENT OF ATHLETE'S FOOT, AND A BURN OINTMENT.

Claims use since May 25, 1944.

Ser. No. 473,075. REMINGTON RAND INC., Buffalo, N. Y. Filed Aug. 8, 1944.

STENALITH

FOR PRIMER IN THE FORM OF A COATING COMPOSITION FOR AN ARTICLE HAVING AN OILY SURFACE SO THAT AN ARTICLE HAVING A STICKY SURFACE MAY BE ATTACHED THERETO.

Claims use since Dec. 27, 1940.

Ser. No. 473,284. WILLIAM W. HOBE, New York, N. Y. Filed Aug. 15, 1944.

HEAVENLY BODY
(Le Corp Ravissant)

FOR PERFUMES, TOILET WATERS, EAU DE COLOGNES, AND FACE CREAMS.

Claims use since Jan. 3, 1944.

Ser. No. 473,285. WILLIAM W. HOBE, New York, N. Y. Filed Aug. 15, 1944.

THE NIGHT BEFORE
(Le Soir Avant)

FOR PERFUMES, TOILET WATERS, EAU DE COLOGNES, AND FACE CREAMS.

Claims use since Jan. 3, 1944.

Ser. No. 473,331. QUAKER CHEMICAL PRODUCTS CORPORATION, Conshohocken, Pa. Filed Aug. 16, 1944.

FRIGIDEZE

FOR CHEMICAL COMBINATIONS AND OILS OR MIXTURES THEREOF USED AS LUBRICANTS OR COOLANTS.

Claims use since Jan. 11, 1928.

Ser. No. 473,375. THE GUERLAIN PERFUMERY CORPORATION, Wilmington, Del., and New York, N. Y. Filed Aug. 17, 1944.

MITSOUKO

FOR PERFUMES AND TOILET WATERS.

Claims use since 1922.

Ser. No. 473,673. PARKE, DAVIS & COMPANY, Detroit, Mich. Filed Aug. 28, 1944.

LIVIBRON

FOR PREPARATION CONTAINING LIVER EXTRACT, VITAMIN B AND IRON USED AS A HEMATINIC AND TONIC.

Claims use since July 22, 1944.

Ser. No. 473,839. R. J. STRASENBURGH COMPANY, Rochester, N. Y. Filed Sept. 1, 1944.

REAZOL

FOR PHARMACEUTICAL PREPARATION FOR THE BACTERICIDAL TREATMENT OF CERTAIN DISEASES, WOUNDS, AND INFECTIONS OF ANIMALS—NAMELY, STREPTOCOCCUS HEMOLYTICUS, STREPTOCOCCUS VIRIDANS, STAPHYLOCOCCUS ALBUS, STAPHYLOCOCCUS AUREUS, AS WELL AS SOME OF THE CLOSTRIDIA, BOVINE MASTITIS, NAIL PUNCTURES, WIRE CUTS, FISTULAS, FOOT ROT, ABSCESSES, BITES, HEMATOMA, SUPPURATIVE OTORRHEA, AND DERMATITIS.

Claims use since Aug. 25, 1944.

Ser. No. 473,857. KATZ DRUG COMPANY, doing business as Federated Products Company, Kansas City, Mo. Filed Sept. 2, 1944.

WELL OFF

FOR MEDICINAL PREPARATION FOR THE TREATMENT OF CORNS AND CALLOUSES.

Claims use since June 30, 1944.

Ser. No. 473,920. E. R. SQUIBB & SONS, New York, N. Y. Filed Sept. 6, 1944.

EPIFISTRINA

FOR GROWTH-PROMOTING HORMONAL PREPARATIONS.

Claims use since June 30, 1944.

Ser. No. 474,176. THE OCA MEDICINE COMPANY, INC., New York, N. Y. Filed Sept. 13, 1944.

Ocavita

FOR MULTIPLE VITAMINS AND MINERAL COMPOUNDS.

Claims use since Aug. 5, 1944.

Ser. No. 474,244. THE PANATE COMPANY, Chicago, Ill. Filed Sept. 15, 1944.

PAN-8

FOR VITAMIN PREPARATION.
Claims use since Sept. 6, 1944.

Ser. No. 474,263. ABBOTT LABORATORIES, North Chicago, Ill. Filed Sept. 16, 1944.

VI-DAYLIN

FOR LIQUID VITAMIN PREPARATION IN THE FORM OF AN HOMOGENIZED EMULSION OF VITAMINS A, D, B_1, B_2, C, and NICOTINAMIDE.
Claims use since Aug. 24, 1944.

Ser. No. 474,382. JOSEPH J. PINKUS, doing business as American Healthaids Co., Newark, N. J. Filed Sept. 19, 1944.

Kelpidine

FOR NUTRITIONAL SUPPLEMENT FOR INCREASING DAILY INTAKE OF IODINE FROM OCEAN VEGETATION.
Claims use since Jan. 1, 1940.

Ser. No. 474,463. ETHEL SCHNEIDER, doing business as Tovote Company, New York, N. Y. Filed Sept. 21, 1944.

Anxious

FOR PERFUMES AND TOILET WATERS.
Claims use since May 2, 1944.

CLASS 7

CORDAGE

Ser. No. 454,549. JOHN A. ROEBLING'S SONS COMPANY, Trenton, N. J. Filed July 27, 1942.



The mark consists of the purple fibrous core of the wire rope or cable. No claim is made to the representation of wire rope apart from said purple fibrous core.
FOR WIRE ROPE AND CABLE.
Claims use since 1932.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 475,220. ROYALE BRIAR PIPE COMPANY, INC., New York, N. Y. Filed Oct. 11, 1944.

ROYALE CAPTAIN

FOR TOBACCO PIPES.
Claims use since June 15, 1944.

Ser. No. 475,221. ROYALE BRIAR PIPE COMPANY, INC., New York, N. Y. Filed Oct. 11, 1944.

ROYALE IKE

FOR TOBACCO PIPES.
Claims use since June 15, 1944.

Ser. No. 475,222. ROYALE BRIAR PIPE COMPANY, INC., New York, N. Y. Filed Oct. 11, 1944.

ROYALE REX

FOR TOBACCO PIPES.
Claims use since June 15, 1944.

CLASS 10

FERTILIZERS

Ser. No. 473,948. KELLY-WESTERN SEED CO., Salt Lake City, Utah. Filed Sept. 7, 1944.

PAX

FOR FERTILIZERS.
Claims use since November 1937.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 463,066. THE ELECTRO ALLOYS COMPANY, Elyria, Ohio. Filed Aug. 28, 1943.

THERMALLOY

FOR NICKEL ALLOY HEAT AND CORROSION RESISTANT CASTINGS.
Claims use since Jan. 1, 1921.

CLASS 15

OILS AND GREASES

Ser. No. 474,216. THE TEXAS COMPANY, New York, N. Y. Filed Sept. 14, 1944.

MEROPA

FOR LUBRICATING OILS.
Claims use since July 1, 1939.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 466,207. UNITED AIRCRAFT CORPORATION, East Hartford, Conn. Filed Dec. 30, 1943.

ICELAC

FOR PROTECTIVE COATINGS OF THE TYPE INCORPORATING A WATER-SOLUBLE SALT FOR PROTECTING THE SURFACES OF AIRCRAFT OR OTHER VEHICLES (IN THE NATURE OF A LACQUER).
Claims use since Nov. 11, 1943.

Ser. No. 473,362. THE CAPEWELL MANUFACTURING COMPANY, Hartford, Conn. Filed Aug. 17, 1944.

MIX TITE

The word "Mix" is disclaimed apart from the mark.
FOR ASPHALT-BASED POWDER USED IN MAKING PAINT, WATERPROOF PUTTY COMPOUNDS, OR WATERPROOF ROOF PAINT COATINGS.
Claims use since June 30, 1944.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 474,351. SIMON VELA PELAEZ, Pinar del Rio, Cuba. Filed Sept. 18, 1944.

FLORINDA

FOR CIGARS.
Claims use since January 1944.

Ser. No. 474,352. SIMON VELA PELAEZ, Pinar del Rio, Cuba. Filed Sept. 18, 1944.

GISPERT

FOR CIGARS.
Claims use since January 1944.

Ser. No. 475,265. PHILIP MORRIS & CO. LTD. INCORPORATED, New York, N. Y. Filed Oct. 12, 1944.

HANDSOME DAN

FOR SMOKING TOBACCO.
Claims use since September 1893.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 463,846. PACIFIC ENTERPRISE PRODUCTS CO., Los Angeles, Calif. Filed Oct. 2, 1943.

AUTOTROL

FOR UNITARY AUTOMATIC ELECTRICAL STARTING MECHANISM AND AUTOMATIC ELECTRIC OPERATING CONTROLLERS FOR INTERNAL COMBUSTION ENGINES.
Claims use since Nov. 6, 1942.

Ser. No. 474,252. WARWICK MANUFACTURING CORPORATION, Chicago, Ill. Filed Sept. 15, 1944.

Clarion

FOR RADIO RECEIVING SETS, ELECTRIC PHONOGRAPHS, AND RADIO AND PHONOGRAPH COMBINATIONS AND PARTS THEREOF.
Claims use since August 1937.

Ser. No. 475,449. NORTH AMERICAN PHILIPS COMPANY, INC., Dobbs Ferry, N. Y. Filed Oct. 18, 1944.

Norelco

FOR ELECTRONIC TUBES.
Claims use since Mar. 24, 1944.

CLASS 22

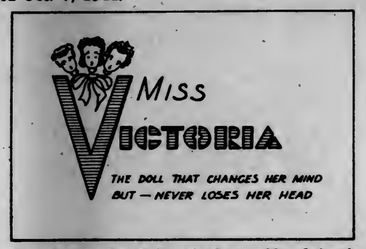
GAMES, TOYS, AND SPORTING GOODS

Ser. No. 474,367. WORD-GIN ENTERPRISES, New York, N. Y. Filed Sept. 18, 1944.

WG WORD-GIN

No claim is made to the word "Word" apart from the mark.
FOR SPELLING CARD GAMES.
Claims use since June 27, 1944.

Ser. No. 475,044. MAY AGNES DAVIS, Orange, N. J. Filed Oct. 7, 1944.



The drawing is lined for shading. No claim is made to the words "Never Loses Her Head" apart from the mark.
FOR DOLLS.
Claims use since May 6, 1944.

Ser. No. 475,615. GROSSMAN MUSIC CO., Cleveland, Ohio. Filed Oct. 23, 1944.

SKYLARK

FOR TOY WHISTLES.
Claims use since Mar. 14, 1944.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 474,206. OUTBOARD, MARINE & MANUFACTURING COMPANY, Milwaukee, Wis. Filed Sept. 14, 1944.

Ranger

FOR MARINE PROPULSION DEVICES—NAMELY, OUTBOARD MOTORS.
Claims use since Dec. 10, 1937.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 475,646. CIRO, INCORPORATED, Detroit, Mich. Filed Oct. 24, 1944.

ciro-flex

FOR CAMERAS.
Claims use since Aug. 31, 1940.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 467,257. JACK STERN, doing business as Ovis Watch Co., New York, N. Y. Filed Feb. 7, 1944.

Ovistone

FOR WATCHES.
Claims use since Jan. 20, 1944.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 471,619. PACKING PRODUCTS COMPANY, New York, N. Y. Filed June 24, 1944.

GOOD NEIGHBOR

FOR FLATWARE—NAMELY, KNIVES, FORKS, AND SPOONS AND TABLEWARE.
Claims use since Jan. 28, 1941.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 475,293. DENIS BORGEAT, Montreal, Quebec, Canada. Filed Oct. 13, 1944.

ROFLEX

FOR TOOTH BRUSHES.
Claims use since May 1, 1944.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 468,123. THE PARKER PRODUCTS CORPORATION, Waterbury, Conn. Filed Mar. 9, 1944.

TENSO

FOR SPRING CUSHION UPHOLSTERY AND FURNITURE FOUNDATIONS.
Claims use since Jan. 1, 1940.

Ser. No. 469,850. TEXAS MANUFACTURING COMPANY, Brenham, Tex. Filed May 1, 1944.



Tuk-Away Butcher Blocks

Applicant disclaims the representation of the household butcher block per se and the words "Butcher Blocks" apart from the mark.
FOR HOUSEHOLD BUTCHER BLOCKS.
Claims use since July 1, 1943.

CLASS 33

GLASSWARE

Ser. No. 473,703. OWENS-ILLINOIS GLASS COMPANY, Toledo, Ohio. Filed Aug. 29, 1944. Under 10-year proviso as to "Libbey."

Libbey
HEAT-TREATED

Applicant is the owner of registration Nos. 54,172, 319,399, and 319,400.
No claim is made to the word "Heat-Treated" apart from the mark.
FOR DRINKING GLASSES.
Claims use since January 1895 as to Libbey; and since July 25, 1944, for entire mark.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 474,339. LEKTROLITE CORPORATION, New York, N. Y. Filed Sept. 18, 1944.

Glopoint

Applicant is the owner of registration No. 376,043, Mar. 12, 1940.
FOR CIGAR, CIGARETTE, AND PIPE LIGHTERS, OF THE CATALYTIC TYPE, AND PARTS FOR CIGAR, CIGARETTE, AND PIPE LIGHTERS.
Claims use since Dec. 19, 1938.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 475,733. RAYBESTOS-MANHATTAN, INC., Passaic, N. J. Filed Oct. 26, 1944.

RAY-UNITE

FOR CLUTCH FACING AND BRAKE LINING.
Claims use since Aug. 15, 1944.

CLASS 37

PAPER AND STATIONERY

Ser. No. 453,882. THE ST. JOHN ASSOCIATES, INC., New York, N. Y. Filed June 25, 1942.



FOR PRINTED LEGAL AND BUSINESS FORMS.
Claims use since Jan. 1, 1936.

Ser. No. 469,421. M. C. WENTZ, Los Angeles, Calif. Filed Apr. 17, 1944.



Applicant is the owner of Reg. No. 370,473.
FOR BOOK COVERS, BOOK MARKS, MEMORANDUM PADS, ALBUMS, AND ADDRESS BOOKS MADE OF LEATHER.
Claims use since Mar. 24, 1944.

Ser. No. 473,613. MARTIN PODANY, doing business as P. M. Stationery Company, Minneapolis, Minn. Filed Aug. 25, 1944.

Letter A Day

Applicant disclaims the word "Letter" apart from the mark.
FOR WRITING PAPER AND ENVELOPES.
Claims use since June 1, 1944.

Ser. No. 474,459. NORTHERN PAPER MILLS, Green Bay, Wis. Filed Sept. 21, 1944.

GENTLE

Tissue

No claim is made to the word "Tissue" except as shown.
FOR TOILET PAPER.
Claims use since Mar. 31, 1943.

Ser. No. 474,685. WILLIAM B. WARD, doing business as Pioneer Supply Company, Kansas City, Mo. Filed Sept. 27, 1944.

E-Z-U'S

FOR CRAYONS AND CHALK IN STICK OR CRAYON FORM.
Claims use since August 1942.

Ser. No. 474,802. DAVID KAHN, INC., North Bergen, N. J. Filed Oct. 2, 1944.



FOR FOUNTAIN PENS AND MECHANICAL PENCILS.
Claims use since Aug. 29, 1944.

Ser. No. 474,978. W. A. SHEAFFER PEN COMPANY, Fort Madison, Iowa. Filed Oct. 5, 1944.

BARBARA

FOR FOUNTAIN PENS AND MECHANICAL PENCILS.
Claims use since Sept. 4, 1944.

Ser. No. 474,981. W. A. SHEAFFER PEN COMPANY, Fort Madison, Iowa. Filed Oct. 5, 1944.

EXECUTIVE

FOR FOUNTAIN PENS AND MECHANICAL PENCILS.
Claims use since Sept. 4, 1944.

Ser. No. 474,982. W. A. SHEAFFER PEN COMPANY, Fort Madison, Iowa. Filed Oct. 5, 1944.

IMPERIAL

FOR FOUNTAIN PENS AND MECHANICAL PENCILS.
Claims use since Sept. 4, 1944.

Ser. No. 474,983. W. A. SHEAFFER PEN COMPANY, Fort Madison, Iowa. Filed Oct. 5, 1944.

PRISCILLA

FOR FOUNTAIN PENS AND MECHANICAL PENCILS.
Claims use since Sept. 4. 1944.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 403,045. HOTEL AND RESTAURANT EMPLOYEES' INTERNATIONAL ALLIANCE AND BARTENDERS' INTERNATIONAL LEAGUE OF AMERICA, Cincinnati, Ohio. Filed Feb. 15, 1938.



The shading indicates the color blue.
FOR ADVERTISING CARDS, BOOKLETS OF THE CONSTITUTION AND BY-LAWS, PAMPHLETS, LEAFLETS DESCRIBING THE MEMBERSHIP BUTTONS AND THEIR USE, MAGAZINES, PLACARDS, AND THE LIKE, SOLD AS SUCH TO THE DIFFERENT UNITS OF THE ASSOCIATION FOR THE FURTHERANCE OF ITS OBJECTS.
Claims use since 1891.

Ser. No. 403,047. HOTEL AND RESTAURANT EMPLOYEES' INTERNATIONAL ALLIANCE AND BARTENDERS' INTERNATIONAL LEAGUE OF AMERICA, Cincinnati, Ohio. Filed Feb. 15, 1938.



The shading indicates the color green.
FOR ADVERTISING CARDS, BOOKLETS OF THE CONSTITUTION AND BY-LAWS, PAMPHLETS, LEAFLETS DESCRIBING THE MEMBERSHIP BUTTONS AND THEIR USE, MAGAZINES, PLACARDS, AND THE LIKE, SOLD AS SUCH TO THE DIFFERENT UNITS OF THE ASSOCIATION FOR THE FURTHERANCE OF ITS OBJECTS.
Claims use since 1891.

Ser. No. 403,049. HOTEL AND RESTAURANT EMPLOYEES' INTERNATIONAL ALLIANCE AND BARTENDERS' INTERNATIONAL LEAGUE OF AMERICA, Cincinnati, Ohio. Filed Feb. 15, 1938.



The shading indicates the color red.
FOR ADVERTISING CARDS, BOOKLETS OF THE CONSTITUTION AND BY-LAWS, PAMPHLETS, LEAFLETS DESCRIBING THE MEMBERSHIP BUTTONS AND THEIR USE, MAGAZINES, PLACARDS, AND THE LIKE, SOLD AS SUCH TO THE DIFFERENT UNITS OF THE ASSOCIATION FOR THE FURTHERANCE OF ITS OBJECTS.
Claims use since 1891.

Ser. No. 467,814. NATIONAL USED CAR MARKET REPORT, INC., Chicago, Ill. Filed Feb. 28, 1944.

RED BOOK
NATIONAL
USED CAR
MARKET
REPORT

The words "Used Car Market Report" are disclaimed apart from the mark.
FOR PERIODICAL PUBLICATIONS ISSUED APPROXIMATELY QUARTERLY.
Claims use since Apr. 23, 1923.

Ser. No. 474,723. MILLER FREEMAN, PUBLICATIONS, Seattle, Wash. Filed Sept. 29, 1944.

The Cellulose Age

Applicant disclaims the word "Cellulose" except in connection with the mark shown.
FOR MAGAZINES.
Claims use since May 1944.

Ser. No. 474,941. EVERETT M. ARNOLD, Old Greenwich, Conn. Filed Oct. 5, 1944.

CANDY O'CONNOR

No claim is made to the name "O'Connor" apart from the mark.
FOR COMIC STRIP PUBLISHED PERIODICALLY.
Claims use since Sept. 27, 1944.

Ser. No. 475,148. DETECTIVE COMICS, INC., New York, N. Y. Filed Oct. 10, 1944.



Applicant disclaims the word "Publication" apart from the mark.
FOR PERIODICAL PUBLICATIONS.
Claims use since Aug. 5, 1941.

CLASS 39

CLOTHING

Ser. No. 459,949. A. SCHRETER & SONS, INC., Baltimore, Md. Filed Apr. 16, 1943.

Smoothie

FOR MEN'S AND WOMEN'S HANDKERCHIEFS AND MUFFLERS.
Claims use since Aug. 10, 1942.

Ser. No. 461,493. MONARCH GARMENT CO., New York, N. Y. Filed June 18, 1943.

VELDURO

FOR LADIES' COATS AND SUITS.
Claims use since Apr. 20, 1943.

Ser. No. 463,459. HOLLYWOOD-MAXWELL CO., Los Angeles, Calif. Filed Sept. 17, 1943.

HOLLY-ette

FOR BRASSIÈRES.
Claims use since August 1938.

Ser. No. 471,287. ARPAD STERN, doing business as Arpad, New York, N. Y. Filed June 15, 1944.

Arpad
"Necessories"

Applicant disclaims the word "Necessories."
FOR LADIES' HATS, SCARVES, SNOODS, DRESS BELTS, AND APRONS.
Claims use since Jan. 15, 1944.

Ser. No. 471,524. GREEN THUMB GARDENS, Arcanum, Ohio. Filed June 22, 1944.



The drawing is lined for green. No claim is made to the representation of a glove other than a representation of a glove having a green thumb.
FOR GARDEN GLOVES.
Claims use since May 3, 1943.

Ser. No. 472,399. HAROLD GEORGE PAUL, New York, N. Y. Filed July 19, 1944.

BUXUM

FOR WOMEN'S SLIPS, SLACKSLIPS, NIGHTGOWNS, CHEMISES, HALTERS, BRASSIÈRES, AND BLOUSES.
Claims use since May 29, 1944.

Ser. No. 473,421. LIBERTY & Co., LIMITED, London, England. Filed Aug. 18, 1944.

LIBERTY

FOR NECKTIES.
Claims use since 1908.

Ser. No. 473,800. BRAE-BURN HAT Co., New York, N. Y. Filed Sept. 1, 1944.

Lazy Maisie

FOR LADIES' AND MISSES' HATS.
Claims use since June 1, 1944.

Ser. No. 473,828. STANLEY MORRIS, New York, N. Y. Filed Sept. 1, 1944.

STANMOR

FOR LADIES' AND MISSES' DRESSES, BLOUSES, SKIRTS, JACKETS, SWEATERS, PINAFORES, AND PLAYSUITS.
Claims use since July 1, 1943.

Ser. No. 473,922. TUPPER SHOES, INC., New York, N. Y. Filed Sept. 6, 1944.

Post War Last

The word "Last" is disclaimed apart from the mark.
FOR LADIES' SLIPPERS AND SHOES MADE OF LEATHER, FABRIC, PLASTICS, OR RUBBER, OR OF COMBINATIONS OF SUCH MATERIALS.
Claims use since June 8, 1944.

Ser. No. 474,040. MICHAELS, STERN & COMPANY, INCORPORATED, Rochester, N. Y. Filed Sept. 9, 1944.

Velvetian

FOR MEN'S SUITS, TOPCOATS, AND OVERCOATS.
Claims use since June 28, 1944.

Ser. No. 474,170. THE JETMORE Co., Olathe, Kans. Filed Sept. 13, 1944.

Diaper-All

The word "Diaper" is disclaimed apart from the mark.
FOR CREEPER GARMENTS FOR INFANTS IN DIAPERS.
Claims use since Sept. 2, 1944.

Ser. No. 474,530. BLOUSECRAFT Co. INC., New York, N. Y. Filed Sept. 23, 1944.

NOVIA

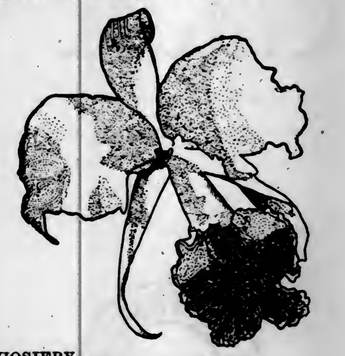
FOR LADIES' AND MISSES' AND CHILDREN'S BLOUSES, DRESSES, DICKEYS, VESTEES, COLLARS, SLIPS, PANTIES, NIGHTGOWNS, AND PAJAMAS.
Claims use since January 1933.

Ser. No. 474,548. MELVILLE SHOE CORPORATION, New York, N. Y. Filed Sept. 23, 1944.

PADDY

FOR YIELDING HEELS AND HEEL CUSHIONS FOR BOOTS AND SHOES.
Claims use since Jan. 13, 1920.

Ser. No. 474,676. NORTHMONT HOSIERY CORPORATION, Reading, Pa. Filed Sept. 27, 1944.



FOR HOSIERY.
Claims use since Sept. 21, 1944.

Ser. No. 474,694. GEM-DANDY, INC., Madison, N. C. Filed Sept. 28, 1944.

"MOUNTAINEER"

FOR NECKTIES.
Claims use since Jan. 1, 1943.

Ser. No. 474,792. FAVORITE UNDERWEAR Co., INC., New York, N. Y. Filed Oct. 2, 1944.



The picture is fanciful.
FOR INFANTS' UNDERWEAR.
Claims use since Apr. 15, 1943.

Ser. No. 474,805. JOSEPH M. KLEIN, New York, N. Y. Filed Oct. 2, 1944.

CLIMOUNT

FOR MEN'S OVERCOATS AND TOPCOATS, AND SUITS—NAMELY, COATS, PANTS, AND VESTS.
Claims use since 1905.

Ser. No. 475,079. STYLE ART CLOTHES, INC., New York, N. Y. Filed Oct. 7, 1944.

CARAKASH

FOR MEN'S SUITS, TOPCOATS, AND OVERCOATS.
Claims use since 1934.

Ser. No. 475,083. TIMMY TOGS COMPANY, Philadelphia, Pa. Filed Oct. 7, 1944.

Timi-Togs

The word "Togs" is disclaimed apart from its association with the word "Timi."
FOR BOYS' WASH AND CLOTH SUITS; BOYS' BLOUSES, SHIRTS, AND PAJAMAS; AND BOYS' SPORTSWEAR—NAMELY, SHIRTS, BLOUSES, JACKETS, SLACK SUITS, AND PLAY SUITS.
Claims use since Sept. 29, 1944.

Ser. No. 475,107. J. FREEZER & SON, INC., New York, N. Y. Filed Oct. 9, 1944.

Broadloom

FOR MEN'S AND BOYS' PAJAMAS.
Claims use since November 1937.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 467,107. OREGON WATERS FLY Co., doing business as Bunnell Sisters, Portland, Oreg. Filed Feb. 2, 1944.

PIN-PETS

Applicant disclaims the word "Pin" apart from the mark.
FOR PIN ORNAMENTS IN THE NATURE OF GARMENT AND DRAPERY TRIMMINGS, CONSISTING OF REPLICAS OF BEES, BUTTERFLIES, MOTHS, SQUIRRELS, DOGS, AND OTHER INSECTS AND ANIMALS.
Claims use since May 1942.

Ser. No. 473,282. HEIRLOOM NEEDLEWORK GUILD, INC., New York, N. Y. Filed Aug. 15, 1944.

HEIRLOOM

FOR STAMPED GOODS FOR EMBROIDERY.
Claims use since June 7, 1938.

Ser. No. 474,596. McCOY, JONES & COMPANY, INC., Chicago, Ill. Filed Sept. 25, 1944.

IMPERIAL

FOR NARROW ELASTIC WEBBING.
Claims use since 1900.

Ser. No. 474,598. McCOY, JONES & COMPANY, INC., Chicago, Ill. Filed Sept. 25, 1944.

REGAL

FOR NARROW ELASTIC WEBBING.
Claims use since 1884.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 464,140. E. MILIUS & Co., INC., New York, N. Y. Filed Oct. 14, 1943.

MAGIC TWIST

The word "Twist" is disclaimed apart from the mark.
FOR PIECE GOODS OF COTTON, RAYON, AND OF MIXTURES OF COTTON AND RAYON.
Claims use since Aug. 18, 1943.

Ser. No. 469,947. TRAUB, LYONS, OPPENHEIM, INC., New York, N. Y. Filed May 4, 1944.

JOVE

FOR PIECE GOODS OF RAYON, COTTON, COTTON AND RAYON MIXTURES, WOOL, AND WORSTED.
Claims use since Apr. 24, 1944.

Ser. No. 472,356. GOLDINGER FABRICS COMPANY, Los Angeles, Calif. Filed July 18, 1944.

GOLCONDA

FOR PIECE GOODS OF COTTON, RAYON, AND MIXTURES THEREOF.
Claims use since June 26, 1944.

Ser. No. 472,852. RUBE P. HOFFMAN, Los Angeles, Calif. Filed Aug. 2, 1944.

STARDUNE



FOR PIECE GOODS OF RAYON, COTTON, AND OF VARIOUS MIXTURES OF RAYON, COTTON, AND WOOL.
Claims use since June 1, 1941.

Ser. No. 473,059. EVERFAST FABRICS, INC., New York, N. Y. Filed Aug. 8, 1944.

BOMBARDIER

FOR TEXTILE FABRICS IN THE PIECE, OF COTTON, RAYON, AND PROTEIN FIBRES.
Claims use since Aug. 2, 1943.

Ser. No. 473,561. CREST FABRICS CORP., New York, N. Y. Filed Aug. 24, 1944.

MILESTONE

FOR TEXTILE FABRICS IN THE PIECE, OF COTTON, RAYON, PROTEIN FIBRES, AND MIXTURES THEREOF.
Claims use since May 11, 1943.

Ser. No. 473,725. CREST FABRICS CORP., New York, N. Y. Filed Aug. 30, 1944.

RAMBLER

FOR TEXTILE FABRICS IN THE PIECE, OF COTTON, RAYON, PROTEIN FIBRES AND MIXTURES THEREOF.
Claims use since May 11, 1943.

Ser. No. 473,908. LOUIS HANDLER, doing business as Princeton Mfg. Co., New York, N. Y. Filed Sept. 6, 1944.



The drawing is lined for shading.
FOR CURTAINS.
Claims use since Aug. 3, 1944.

Ser. No. 474,335. LAWRENCE PRODUCTS CO., Attalla, Ala. Filed Sept. 18, 1944.

RAMBLECORD

FOR COTTON RUGS.
Claims use since Mar. 28, 1944.

Ser. No. 474,337. LAWRENCE PRODUCTS CO., Attalla, Ala. Filed Sept. 18, 1944.

KAHNCORDETTE

FOR COTTON RUGS.
Claims use since June 16, 1944.

CLASS 43

THREAD AND YARN

Ser. No. 474,599. MCCOY, JONES & COMPANY, INC., Chicago, Ill. Filed Sept. 25, 1944.

Zoolight

FOR WOOL YARN.
Claims use since 1898.

Ser. No. 474,819. RAINBOW ASSOCIATES, New York, N. Y. Filed Oct. 2, 1944.



No claim is made to the words "Best By Test," "Pure Dye," "Silk Threads," "Machine" and "Silk" apart from the mark.
FOR SILK THREADS.
Claims use since Apr. 23, 1944.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 472,340. SIDNEY W. RICHARDSON AND JOHN W. COLLIER, Fort Worth, Tex. Filed July 17, 1944.



FOR VETERINARY SYRINGES AND RING DOSE SYRINGES; HYPODERMIC NEEDLES, BLEEDING NEEDLES, AND VETERINARY NEEDLES; EQUINE-BALLING GUNS, SHEEP BALLING GUNS, AND SWINE BALLING GUNS; OPERATING FORCEPS, TISSUE FORCEPS, AND ARTERY FORCEPS; UDDER INFLATION TUBES; DOSE PIPES; FLOATS FOR DENTAL USE IN VETERINARY PRACTICE; PROBES; CANNULAS; TROCARS; IMPREGNATORS; DEHORNETS; AND STETHOSCOPES.
Claims use since Jan. 1, 1944.

Ser. No. 474,601. THE MOTLOID CO., INC., Chicago, Ill. Filed Sept. 25, 1944.

Liquickfoil

FOR LIQUID COATING MATERIAL USED AS A SUBSTITUTE FOR DENTAL TINFOIL FOR USE IN FORMING A FILM IN PROCESSING PROSTHETIC APPLIANCES WITH PLASTICS.
Claims use since July 17, 1935.

Ser. No. 474,737. DAVID SOBEL, doing business as Walk Joy Company or Walk-Joy Co., Boston, Mass. Filed Sept. 29, 1944.

Walk-Joy

FOR METATARSAL INSOLES.
Claims use since Sept. 21, 1944.

Ser. No. 475,726. COSMOS DENTAL PRODUCTS, INC., New York, N. Y. Filed Oct. 26, 1944.

COSMOS

FOR SYNTHETIC RESIN DENTURE BASE MATERIALS.
Claims use since Aug. 18, 1944.

Ser. No. 475,882. BECTON, DICKINSON & CO., Rutherford, N. J. Filed Oct. 31, 1944.

ACME

FOR HYPODERMIC SYRINGES, HYPODERMIC NEEDLES, RUBBER BULB SYRINGES, AND ELASTIC BANDAGES.
Claims use since 1911.

CLASS 45

BEVERAGES, NONALCOHOLIC

Ser. No. 475,935. CHARLES ADAMS, doing business as Adams Bottling Works, New Kensington, Pa. Filed Nov. 1, 1944.



The words "A Gazzosa" are disclaimed apart from the mark.
FOR NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES, SOLD AS SOFT DRINKS AND SIRUPS AND EXTRACTS FOR MAKING THE SAME.
Claims use since Aug. 15, 1943.

Ser. No. 476,073. NEHI CORPORATION, Columbus, Ga. Filed Nov. 3, 1944.



FOR NONALCOHOLIC, MALTLESS, NON-FRUIT-JUICE BEVERAGE SOLD AS A SOFT DRINK—VIZ., A COLA, AND SYRUP, EXTRACT OR CONCENTRATE FOR MAKING THE SAME.
Claims use since May 1936.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 447,702. LA HABRA CITRUS ASSOCIATION, La Habra, Calif. Filed Oct. 11, 1941.



No claim is made to the word "Brand." No claim is made to the name "La Habra Citrus Ass'n" apart from the mark shown.
FOR FRESH CITRUS FRUITS.
Claims use since 1913.

Ser. No. 461,232. WAYNE THORNBURG, Phoenix, Ariz. Filed June 8, 1943.

LUCKY DEAL

FOR FRESH VEGETABLES AND FRESH MELONS.
Claims use since May 26, 1943.

Ser. No. 461,654. D. GOLDENBERG, INC., Philadelphia, Pa. Filed June 25, 1943.

Whippet

FOR CANDY.
Claims use since Aug. 31, 1934.

Ser. No. 469,246. HARRY J. CHEIM, Marysville, Calif. Filed Apr. 12, 1944.



No claim is made to the representation of a label apart from the mark.
FOR FRESH DECIDUOUS FRUITS.
Claims use since Jan. 19, 1944.

Ser. No. 471,804. TED LEWIS, Washington, D. C. Filed June 29, 1944.

LEWBURGER

FOR SANDWICHES.
Claims use since Jan. 1, 1943.

Ser. No. 472,036. HARRY B. BURT, Tulsa, Okla. Filed July 10, 1944.

Plentose

FOR STABILIZER DERIVED FROM WHEAT AND COMPRISING MALTOSE, DEXTROSE AND OTHER SIMPLE SUGARS FOR USE IN ICE CREAM AND RELATED PRODUCTS.
Claims use since June 4, 1944.

Ser. No. 472,037. HARRY B. BURT, Tulsa, Okla. Filed July 10, 1944.

Plentose
"Sugars from Wheat"

No claim is made to the phrase "Sugars from Wheat" apart from the mark.
FOR STABILIZER DERIVED FROM WHEAT AND COMPRISING MALTOSE, DEXTROSE AND OTHER SIMPLE SUGARS FOR USE IN ICE CREAM AND RELATED PRODUCTS.
Claims use since June 4, 1944.

Ser. No. 474,315. BARRICINI INC., Long Island City, N. Y. Filed Sept. 18, 1944.

AT ALL TIMES Barricini IN ALL CLIMES

Applicant is the owner of the following U. S. registrations: 310,433, 381,397, and 395,102.
FOR CANDY, CANDIED NUTS, CANDIED FRUITS, CANDIED DATES, AND CANDIED FIGS.
Claims use since Jan. 15, 1941.

Ser. No. 474,316. BARRICINI INC., Long Island City, N. Y. Filed Sept. 18, 1944.

AT ALL TIMES Barricini CANDY IN ALL CLIMES

Applicant is the owner of the following U. S. registrations: 310,433, 381,397, and 395,102.
FOR CANDY, CANDIED NUTS, CANDIED FRUITS, CANDIED DATES, AND CANDIED FIGS.
Claims use since Jan. 15, 1941.

Ser. No. 474,784. C. A. CHURCH, doing business as Rio Grande Produce Co., Salinas, Calif. Filed Oct. 2, 1944.

SANDIA

FOR FRESH VEGETABLES—NAMELY, FRESH CARROTS.
Claims use since Sept. 19, 1942.

Ser. No. 474,793. FEWEL BROS. & CO., Fresno, Calif. Filed Oct. 2, 1944.

FEWEL'S SHAMROCK

No claim is made to the name "Fewel's" apart from the mark.
FOR RAISINS.
Claims use since Sept. 6, 1944.

Ser. No. 475,299. M. J. B. Co., Wilmington, Del., and San Francisco, Calif. Filed Oct. 13, 1944.

M·J·B

Applicant is the owner of registration No. 110,878 and registration No. 110,880.
FOR DRIED BEANS.
Claims use since Apr. 15, 1943.

Ser. No. 475,378. STALEY MILLING COMPANY, North Kansas City, Mo. Filed Oct. 16, 1944.

SWINE SWILLER

The word "Swine" is disclaimed apart from the mark.
FOR HOG AND PIG FEED IN PELLET AND MEAL FORM.
Claims use since Sept. 23, 1944.

Ser. No. 475,823. ALBERT ADELMAN, Detroit, Mich. Filed Oct. 30, 1944.



FOR PACKED HERRING.
Claims use since Sept. 1, 1940.

Ser. No. 475,852. J. M. INGRAM FRUIT CORPORATION, Tampa, Fla. Filed Oct. 30, 1944.

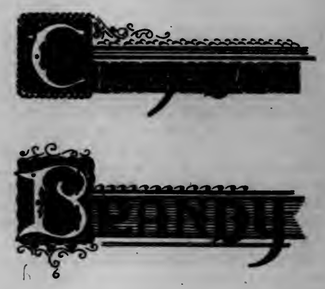
CUTLASS

FOR FRESH CITRUS FRUITS.
Claims use since September 1939.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 463,810. DISTILLED LIQUORS IMPORT CO. INC., New York, N. Y. Filed Oct. 1, 1943.



No claim is made to the word "Brandy" except as shown. The lining represents shading only.
FOR BRANDY.
Claims use since May 2, 1943.

Ser. No. 469,820. PEDRO RUIZ OCEJO, doing business as Baldomero Landa (Suc.), Udalla, Santander, Spain. Filed Apr. 29, 1944.



All wording except "B. L." and "The Red Lobster" is disclaimed apart from the mark.
FOR GIN.
Claims use since March 1934.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

DECEMBER 26, 1944

410,879. CANNED VEGETABLES; FRUITS; FRUIT AND VEGETABLE JUICES FOR FOOD PURPOSES; FISH, SHRIMP, CRABMEAT, CLAMS; MEAT PRODUCTS—NAMELY, PORK AND BEANS; SOUPS; BROTHS; ETC. R. C. WILLIAMS & COMPANY, INC., New York, N. Y.
Filed June 13, 1942. Serial No. 453,653. PUBLISHED OCTOBER 17, 1944. Class 46.

410,880. PASTE SILVER POLISH; ENAMEL, TILE, WALL AND WINDOW CLEANERS, AND THE LIKE, IN LIQUID AND POWDERED FORM. EDWARD H. HUFNAGEL, doing business as Norma Chemical Company, Mount Vernon, N. Y.
Filed January 1, 1943. Serial No. 457,705. PUBLISHED JUNE 1, 1943. Class 4.

410,881. PREFABRICATED KNOCKDOWN BUILDINGS. THE TRAVELODGE CORPORATION, Lynchburg, Va.
Filed February 25, 1943. Serial No. 458,769. PUBLISHED OCTOBER 17, 1944. Class 12.

410,882. YARNS, THREADS, YARN AND THREAD FILAMENTS, ELASTIC YARNS AND THREADS, AND ELASTIC YARN AND THREAD FILAMENTS OF OR CONTAINING REGENERATED CELLULOSE, CELLULOSE ESTERS AND ETHERS, SUCH AS CELLULOSE ACETATE, SYNTHETIC RESINS, SUCH AS VINYL POLYMERS AND COPOLYMERS. AMERICAN VISCOSE CORPORATION, Wilmington, Del.
Filed June 9, 1943. Serial No. 461,236. PUBLISHED SEPTEMBER 12, 1944. Class 43.

410,883. ALKALINE CLEANSING COMPOUND IN POWDERED FORM FOR USE IN THE CLEANSING OF MILK CANS AND THE LIKE. THE DIVERSEY CORPORATION, Chicago, Ill.
Filed July 24, 1943. Serial No. 462,278. PUBLISHED OCTOBER 3, 1944. Class 4.

410,884. DEODORANTS IN CREAM AND POWDER FORM. COLGATE-PALMOLIVE-PEET COMPANY, Jersey City, N. J.
Filed August 21, 1943. Serial No. 462,903. PUBLISHED OCTOBER 10, 1944. Class 6.

410,885. CHEMICAL SUBSTANCES FOR USE AS ANTISEPTICS, BACTERICIDES, ANTI-MALARIALS, ANTHELMINTICS, TRYPANOCIDES, ANAESTHETICS, ANTIEPILEPTICS, GENERAL ANAESTHETICS AND CLEANSING AGENTS FOR WOUNDS, ANALGESIC, PARASITICIDES, DISINFECTANTS, CIRCULATORY STIMULANTS, AND RESTORATIVES. IMPERIAL CHEMICAL (PHARMACEUTICALS) LIMITED, Slough, Buckinghamshire, England.
Filed September 3, 1943. Serial No. 463,201. PUBLISHED OCTOBER 10, 1944. Class 6.

410,886. PLASTIC PULLEYS, FAIRLEADERS, AND HOUSINGS, FOR AIRCRAFT RUDDER, ELEVATOR, AND AILERON CONTROLS. PLASTIC MANUFACTURERS, INCORPORATED, Stamford, Conn.
Filed September 4, 1943. Serial No. 463,235. PUBLISHED OCTOBER 17, 1944. Class 19.

410,887. ELECTRIC GENERATORS, ELECTRIC MOTORS, DOMESTIC LIGHTING PLANTS AND MAGNETOS. FAIRBANKS, MORSE & CO., Chicago, Ill.
Filed September 29, 1943. Serial No. 463,748. PUBLISHED OCTOBER 17, 1944. Class 21.

410,888. STYPTIC STICKS. THE S/A PRODUCTS COMPANY, Glendale, Calif.
Filed October 4, 1943. Serial No. 463,891. PUBLISHED DECEMBER 7, 1943. Class 6.

410,889. SCALP CREAM PREPARATION. HARRY G. ANDERSON, doing business as 4-in-1 Product Co., New York, N. Y.
Filed November 11, 1943. Serial No. 464,907. PUBLISHED OCTOBER 10, 1944. Class 6.

410,890. PAINT PASTES AND METALLIC ORGANIC COMPOUNDS USEFUL AS DRIERS IN OILS, VARNISHES, ENAMELS, BAKING JAPANS, LACQUERS AND COATING COMPOSITIONS GENERALLY; PLASTICIZERS FOR USE IN THE PREPARATION OF LACQUER, ENAMEL OR PAINT. THE RESINOUS PRODUCTS & CHEMICAL COMPANY, Philadelphia, Pa.
Filed January 13, 1944. Serial No. 466,546. PUBLISHED OCTOBER 10, 1944. Class 6.

410,891. PROTECTIVE LIQUID COATINGS FOR METAL, MASONRY, AND OTHER SURFACES, SAID COATINGS HAVING EITHER AN ASPHALTUM BASE OR A TAR BASE. THE TREMCO MANUFACTURING COMPANY, Cleveland, Ohio.
Filed January 13, 1944. Serial No. 466,558. PUBLISHED OCTOBER 17, 1944. Class 12.

410,892. COMPOUND USED IN THE PARTICULAR TREATMENT OF ARTHRITIC AND RHEUMATOID CONDITIONS. GALLIA LABORATORIES, INC., New York, N. Y.
Filed January 22, 1944. Serial No. 466,787. PUBLISHED OCTOBER 10, 1944. Class 6.

410,893. PIECE GOODS OF WOOL, WORSTED, HAIR, COTTON, SILK, RAYON, NYLON, LINEN OR HEMP, OR MIXTURES OF THESE MATERIALS. S. H. RAWNSLEY LIMITED, Bradford, Yorkshire, England.
Filed January 22, 1944. Serial No. 466,805. PUBLISHED OCTOBER 10, 1944. Class 42.

410,894. RADIO RECEIVING SETS AND PARTS THEREOF. ZENITH RADIO CORPORATION, Chicago, Ill.
Filed January 28, 1944. Serial No. 466,965. PUBLISHED OCTOBER 17, 1944. Class 21.

410,895. BAMBOO FLOWER VASES. ELLIOTT FRANCIS WOOD, Hilo, Territory of Hawaii.
Filed January 27, 1944. Serial No. 466,937. PUBLISHED OCTOBER 17, 1944. Class 2.

410,896. SURGICAL APPARATUS FOR PARENTERAL ADMINISTRATION OF FLUIDS. SCHERING & GLATZ, INC., New York, N. Y.
Filed February 19, 1944. Serial No. 467,573. PUBLISHED OCTOBER 17, 1944. Class 44.

410,897. SPECIALLY MILLED OAT FLOUR PRODUCT IN WHICH THE GUM-LIKE FRACTION OF OATS HAS BEEN CONCENTRATED, TO BE USED AS A STABILIZER AND GUM CONSTITUENT PRINCIPALLY FOR FOOD PRODUCTS. THE QUAKER OATS COMPANY, Chicago, Ill.
Filed February 24, 1944. Serial No. 467,737. PUBLISHED OCTOBER 17, 1944. Class 46.

410,898. LACQUERS. THE EGYPTIAN LACQUER MANUFACTURING COMPANY, New York, N. Y.
Filed March 3, 1944. Serial No. 467,938. PUBLISHED OCTOBER 17, 1944. Class 16.

410,899. ANTISEPTIC AND DISINFECTANT PREPARATION RECOMMENDED FOR GERMICIDAL AND STERILIZING USES; AS A PERSONAL DEODORANT AND AFTER-SHAVING LOTION, ETC. LEHN & FINK PRODUCTS CORPORATION, Bloomfield, N. J.
Filed March 8, 1944. Serial No. 468,081. PUBLISHED OCTOBER 10, 1944. Class 6.

410,900. INJECTABLE SOLUTION CONTAINING VITAMIN B FACTORS. GALEN COMPANY, Berkeley, Calif.
Filed March 9, 1944. Serial No. 468,114. PUBLISHED OCTOBER 10, 1944. Class 6.

410,901. MASTIC CEMENT FOR BONDING ACOUSTICAL TILE, WALL BOARD, CORK AND THE LIKE TO SURFACES OF WOOD, PLASTER, MASONRY OR METAL. THE TREMCO MANUFACTURING COMPANY, Cleveland, Ohio.
Filed April 8, 1944. Serial No. 469,175. PUBLISHED OCTOBER 17, 1944. Class 12.

410,902. HOSE COUPLINGS, HOSE CLAMPS AND NIPPLES. HERCULES COMPANY, doing business as Hose Accessories Co., Philadelphia, Pa.
Filed March 22, 1944. Serial No. 468,514. PUBLISHED OCTOBER 17, 1944. Class 13.

410,903. LIVING ROOM, DINING ROOM, BEDROOM, AND KITCHEN FURNITURE, VENETIAN BLINDS, AND MATTRESSES. ALLIED STORES CORPORATION, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash., Dey Brothers & Company, Syracuse, N. Y., and Quackenbush Company, Paterson, N. J.
Filed April 3, 1944. Serial No. 468,935. PUBLISHED OCTOBER 17, 1944. Class 32.

410,904. PIPES, PIPE CASES, PIPE STANDS, COMBINATION HUMIDOR AND PIPE CASES, HUMIDORS, COMBINATION ASH AND SMOKING TRAYS, ETC. LANE TOBACCO, LTD., New York, N. Y.
Filed April 6, 1944. Serial No. 469,083. PUBLISHED OCTOBER 17, 1944. Class 8.

410,905. ELECTRIC VACUUM CLEANERS AND ATTACHMENTS THEREFOR, SUCH AS FLEXIBLE HOSE, BRUSHES, MOTH-PROOFING, SPRAYING AND POLISHING EQUIPMENT. WINTHROP'S VACUUM CLEANER CORP., Paterson, N. J.
Filed April 19, 1944. Serial No. 469,483. PUBLISHED JUNE 27, 1944. Class 21.

410,906. PIECE GOODS OF SILK, WOOL, COTTON, RAYON, AND MIXTURES OF SILK AND RAYON. MALLINSON FABRICS CORPORATION, New York, N. Y.
Filed April 25, 1944. Serial No. 469,638. PUBLISHED SEPTEMBER 26, 1944. Class 42.

410,907. AUTOMATIC ELECTRICALLY CONTROLLED CLOCKS. ELLEN MARJORIE BERTRAM, Ottawa, Ontario, Canada.
Filed May 1, 1944. Serial No. 469,828. PUBLISHED OCTOBER 17, 1944. Class 27.

410,908. PERFUME. S. P. F. OF AMERICA, INC., New York, N. Y.
Filed May 8, 1944. Serial No. 470,042. PUBLISHED OCTOBER 10, 1944. Class 6.

410,909. KNITTED GOODS IN THE PIECE OF RAYON YARN TO BE CUT INTO SHAPES FOR WOMEN'S FULL FASHIONED HOSIERY. VALCORT HOSIERY CORPORATION, New York, N. Y.
Filed May 8, 1944. Serial No. 470,052. PUBLISHED OCTOBER 10, 1944. Class 42.

410,910. METAL BOX STRAPPING. DARLING VALVE & MANUFACTURING COMPANY, Williamsport, Pa.
Filed May 11, 1944. Serial No. 470,138. PUBLISHED OCTOBER 17, 1944. Class 13.

410,911. SCREEN WIRE. THE GILBERT & BENNETT MFG. CO., Georgetown, Conn.
Filed May 15, 1944. Serial No. 470,262. PUBLISHED OCTOBER 17, 1944. Class 13.

410,912. CIGARS. LOBETO Y COMPANIA, S. EN C., Habana, Cuba.
Filed May 17, 1944. Serial No. 470,342. PUBLISHED OCTOBER 17, 1944. Class 17.

410,913. WOOD PRESERVATIVES COMPRISING A FLOWABLE MIXTURE OF A LIQUID ORGANIC COMPOUND AND A SOLID INORGANIC COMPOUND TO BE APPLIED TO WOOD BY SPRAYING, DIPPING, OR BY PRESSURE TANK TREATMENTS AS A SUBSTITUTE FOR CREOSOTE. OSMOSE WOOD PRESERVING CO. OF AMERICA, INC., Buffalo, N. Y.
Filed May 18, 1944. Serial No. 470,383. PUBLISHED OCTOBER 10, 1944. Class 6.

410,914. SEA ANCHORS, GASOLINE AND OIL FILLER CAPS, SHEET BLOCKS, FAIR LEADERS, SHEET LEADERS, GAFF CHOCKS, ETC. DURKEE MARINE PRODUCTS CORPORATION, Grasmere, Staten Island, N. Y.
Filed May 24, 1944. Serial No. 470,562. PUBLISHED OCTOBER 17, 1944. Class 19.

410,915. COMBINATION VENTILATORS AND DECK PLATES, HOOD VENTILATORS, MUSHROOM, ADJUSTABLE CAP AND SHUTTER VENTILATORS, PORTHOLE AIR SCOOPS, LIVERPOOL HEADS, WIND SCOOPS, PILOT HEADS, AND OIL, WAX, VAPOR, AND GAS MARINE LAMPS. DURKEE MARINE PRODUCTS CORPORATION, Grasmere, Staten Island, N. Y.
Filed May 24, 1944. Serial No. 470,566. PUBLISHED OCTOBER 17, 1944. Class 34.

410,916. CLOTHING CLEANER. HENRY YOUNG, doing business as Gob Sales Co., Spokane, Wash.
Filed May 24, 1944. Serial No. 470,592. PUBLISHED OCTOBER 3, 1944. Class 4.

410,917. TEXTILE FABRICS IN THE PIECE OF COTTON, RAYON, SILK, AND COMBINATIONS THEREOF. HESS GOLDSMITH & CO. INC., New York, N. Y.
Filed June 14, 1944. Serial No. 471,213. PUBLISHED OCTOBER 3, 1944. Class 42.

410,918. TEXTILE FABRICS IN THE PIECE OF COTTON, RAYON, SILK, AND COMBINATIONS THEREOF. HESS GOLDSMITH & CO. INC., New York, N. Y.
Filed June 14, 1944. Serial No. 471,215. PUBLISHED OCTOBER 3, 1944. Class 42.

410,919. POLLEN ANTIGENS FOR USE IN THE TREATMENT OF HAY FEVER. LEDERLE LABORATORIES, INC., New York, N. Y.
Filed June 14, 1944. Serial No. 471,220. PUBLISHED OCTOBER 10, 1944. Class 6.

410,920. EYEGLASS AND SPECTACLE FRAMES AND PARTS THEREFOR. THE KONO MANUFACTURING COMPANY, Woodside, N. Y.
Filed June 15, 1944. Serial No. 471,261. PUBLISHED OCTOBER 17, 1944. Class 26.

410,921. HYGIENIC POWDER. COLORADO LABORATORIES, INCORPORATED, Denver, Colo.
Filed June 16, 1944. Serial No. 471,302. PUBLISHED OCTOBER 10, 1944. Class 6.

410,922. CHEMICAL FLUX COMPOSITION FOR USE IN WELDING, BRAZING, AND SOLDERING OPERATIONS, EITHER TO BE APPLIED TO METAL SURFACES OR TO WELDING RODS. RENE D. WASSERMAN, doing business as Eutectic Welding Alloys Company, New York, N. Y.
Filed June 20, 1944. Serial No. 471,464. PUBLISHED OCTOBER 10, 1944. Class 6.

410,923. ESTROGENIC PREPARATIONS. ROCHE-ORGANON, INC., Nutley, N. J.
Filed June 23, 1944. Serial No. 471,571. PUBLISHED OCTOBER 10, 1944. Class 6.

410,924. ESTROGENIC PREPARATIONS. ROCHE-ORGANON, INC., Nutley, N. J.
Filed June 23, 1944. Serial No. 471,572. PUBLISHED OCTOBER 10, 1944. Class 6.

410,925. VITAMIN PREPARATION CONTAINING VITAMIN C. ABBOTT LABORATORIES, North Chicago, Ill.
Filed June 28, 1944. Serial No. 471,729. PUBLISHED OCTOBER 10, 1944. Class 6.

410,926. ELECTRIC CORD TAKE-UP REELS FOR THE FOLLOWING SPECIFIC USES: VACUUM CLEANER HANDLES, WASHING MACHINES, SIGNAL LIGHTS, ETC. THE VACUUM CLEANER CORPORATION OF AMERICA, Philadelphia, Pa.
Filed June 28, 1944. Serial No. 471,769. PUBLISHED OCTOBER 17, 1944. Class 21.

410,927. MICROMETERS. THE TUBULAR MICROMETER COMPANY, St. James, Minn.
Filed June 29, 1944. Serial No. 471,823. PUBLISHED OCTOBER 17, 1944. Class 26.

410,928. PERFUME. SERGE J. J. LAKHOVSKY, New York, N. Y.
Filed June 30, 1944. Serial No. 471,835. PUBLISHED OCTOBER 10, 1944. Class 6.

410,929. YARNS. BEAUNIT MILLS, INC., New York, N. Y.
Filed July 1, 1944. Serial No. 471,848. PUBLISHED OCTOBER 3, 1944. Class 43.

410,930. WAXES FOR POLISHING FLOORS, AUTOMOBILES, FURNITURE, AND THE LIKE. FULD BROS., Baltimore, Md.
Filed July 1, 1944. Serial No. 471,871. PUBLISHED OCTOBER 3, 1944. Class 16.

410,931. PERFUMES, TOILET WATERS, COSMETIC CREAMS, AND MAKE-UP. LENTHERIC, INCORPORATED, New York, N. Y.
Filed July 4, 1944. Serial No. 471,920. PUBLISHED OCTOBER 10, 1944. Class 6.

410,932. ELECTRONIC TUBES. CENTURY RADIO COMPANY, INC., Philadelphia, Pa.
Filed July 8, 1944. Serial No. 471,998. PUBLISHED OCTOBER 17, 1944. Class 21.

410,933. READY MIXED PAINT, PAINT ENAMEL, AND VARNISH. VITA-VAR CORPORATION, Newark, N. J.
Filed July 10, 1944. Serial No. 472,092. PUBLISHED OCTOBER 17, 1944. Class 16.

410,934. TONIC PREPARATION FOR ANEMIA, CHLOROSIS, AND NEURASTHENIA. ENDO PRODUCTS INC., New York, N. Y.
Filed July 11, 1944. Serial No. 472,105. PUBLISHED OCTOBER 10, 1944. Class 6.

410,935. HAIR TONIC. ELIA MARCHITTO, doing business as Elia Marchitto Co., Waterbury, Conn.
Filed July 11, 1944. Serial No. 472,115. PUBLISHED OCTOBER 10, 1944. Class 6.

410,936. MEDICAL PREPARATION—NAMELY, A REFRESHING MASSAGE USEFUL IN THE CARE OF BED-RIDDEN PATIENTS. PHYSICIANS & HOSPITALS SUPPLY COMPANY, INC., doing business as Ulmer Pharmacal Company, Minneapolis, Minn.
Filed July 11, 1944. Serial No. 472,121. PUBLISHED OCTOBER 10, 1944. Class 6.

410,937. MEDICAL PREPARATION—NAMELY, CAPSULES OF MIXED NATURAL TOCOPHEROLS FOR THE RELIEF OF DEFICIENCIES OF VITAMIN E. PHYSICIANS & HOSPITALS SUPPLY COMPANY, INC., doing business as Ulmer Pharmacal Company, Minneapolis, Minn.
Filed July 11, 1944. Serial No. 472,122. PUBLISHED OCTOBER 10, 1944. Class 6.

410,938. SWITCHES THAT ARE BOTH MANUALLY AND THERMOSTATICALLY OPERATED. SERVEL, INC., Evansville, Ind.
Filed July 11, 1944. Serial No. 472,125. PUBLISHED OCTOBER 17, 1944. Class 26.

410,939. ADHESIVE OPTICAL CEMENT AND A CATALYST CONSISTING OF A CHEMICAL COMPOSITION FOR USE AS A SETTING ACCELERATOR FOR ADHESIVE OPTICAL CEMENT, USUALLY SOLD TOGETHER FOR CONJOINT USE. ARGUS, INCORPORATED, Ann Arbor, Mich.
Filed July 12, 1944. Serial No. 472,135. PUBLISHED OCTOBER 17, 1944. Class 5.

410,940. RUBBER ACCELERATOR. R. T. VANDERBILT COMPANY, INC., New York, N. Y.
Filed July 12, 1944. Serial No. 472,167. PUBLISHED OCTOBER 10, 1944. Class 6.

410,941. COPPER COMPOUNDS FOR MILDEW-PROOFING. GENERAL DYESTUFF CORPORATION, New York, N. Y.
Filed July 17, 1944. Serial No. 472,322. PUBLISHED OCTOBER 10, 1944. Class 6.

410,942. SEAL LEAKAGE INDICATORS FOR CANNED GOODS. ROBERT N. SHONER, Fort Wayne, Ind.
Filed July 17, 1944. Serial No. 472,341. PUBLISHED OCTOBER 17, 1944. Class 26.

410,943. VITAMIN-CONTAINING FEED SUPPLEMENT OR CONCENTRATE FOR ADDITION TO POULTRY AND LIVE STOCK FEED. SILMO CHEMICAL CORPORATION, Vineland, N. J.
Filed July 18, 1944. Serial No. 472,368. PUBLISHED OCTOBER 17, 1944. Class 46.

410,944. SEED CORN. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed July 19, 1944. Serial No. 472,406. PUBLISHED OCTOBER 17, 1944. Class 1.

410,945. RE-CAPPED PNEUMATIC TIRES FOR AUTOMOBILES AND SIMILAR VEHICLES. ALBERT LUCIUS TANNER, doing business as Tire Service Center, Santa Cruz, Calif.
Filed July 20, 1944. Serial No. 472,438. PUBLISHED OCTOBER 17, 1944. Class 35.

410,946. FOUNTAIN PENS AND MECHANICAL PENCILS. THE PARKER PEN COMPANY, Janesville, Wis.
Filed July 26, 1944. Serial No. 472,650. PUBLISHED OCTOBER 17, 1944. Class 37.

410,947. FOUNTAIN PENS AND MECHANICAL PENCILS. THE PARKER PEN COMPANY, Janesville, Wis.
Filed July 26, 1944. Serial No. 472,693. PUBLISHED OCTOBER 17, 1944. Class 37.

410,948. GRAPHITE. JOSEPH DIXON CRUCIBLE COMPANY, Jersey City, N. J.
Filed August 1, 1944. Serial No. 472,802. PUBLISHED OCTOBER 17, 1944. Class 1.

410,949. SILICA GRAPHITE PAINT, FLOOR PAINT, AND MACHINERY ENAMEL. JOSEPH DIXON CRUCIBLE COMPANY, Jersey City, N. J.
Filed August 1, 1944. Serial No. 472,804. PUBLISHED OCTOBER 10, 1944. Class 16.

410,950. WATCHES. EMIL LEICHTER, New York, N. Y.
Filed August 2, 1944. Serial No. 472,874. PUBLISHED OCTOBER 17, 1944. Class 27.

410,951. CLEANING COMPOUND FOR CLEANING WOODWORK, PAINTED AND ENAMELED SURFACES, AND FABRICS. GLYNN HOLBROOK, doing business as Berry Chemical & Manufacturing Co., Chicago, Ill.
Filed August 4, 1944. Serial No. 472,951. PUBLISHED OCTOBER 3, 1944. Class 4.

410,952. SILVER AND GOLD INK VARNISH, SILVER INK PASTE, AND SILVER INK. ILLINOIS BRONZE POWDER CO., Chicago, Ill.
Filed August 4, 1944. Serial No. 472,952. PUBLISHED OCTOBER 3, 1944. Class 11.

410,953. COMPOUND DESIGNED FOR USE AS A CLEANER FOR CARPETS, RUGS, FURNITURE, VENETIAN BLINDS, WOODWORK, GLASS, AND SILVERWARE. RESISTAL, INC., Chicago, Ill.
Filed August 7, 1944. Serial No. 473,037. PUBLISHED OCTOBER 10, 1944. Class 4.

410,954. PHONOGRAPH RECORDS. THE AMERICAN GLOSSITE COMPANY, INC., New York, N. Y.
Filed August 12, 1944. Serial No. 473,205. PUBLISHED OCTOBER 17, 1944. Class 36.

410,955. MICROMETERS. CURTIS ENGINEERING COMPANY, Upper Darby, Pa.
Filed August 15, 1944. Serial No. 473,276. PUBLISHED OCTOBER 17, 1944. Class 26.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]
THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

410,956. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) O-CEDAR CORP'N, Chicago, Ill. Filed June 12, 1941. Serial No. 444,467.

SHAKE-CLEAN

FOR FLOOR MOPS WITH ATTACHMENTS FOR SHAKING THE MOP ENDS.
Claims use since Apr. 1, 1938.

410,957. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GRACE NEFF, doing business as Kate Greenaway Designs, New York, N. Y. Filed Nov. 14, 1941. Serial No. 448,647.

KATE GREENAWAY

FOR TOWELS, TABLE CLOTH SETS, SCARFS OR RUNNERS, TABLE MATS, AND TABLE DOILIES.
Claims use since May 12, 1941.

410,958. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BARTMANN & BIXER, INC., New York, N. Y. Filed June 30, 1942. Serial No. 453,953.

Chamoisheen

FOR WINDOW CURTAINS.
Claims use since June 19, 1942.

410,959. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HY-DRY FOOD PRODUCTS, INC., Centuria, Wis., and Chicago, Ill. Filed Apr. 21, 1943. Serial No. 460,053.

HY-DRY

FOR DEHYDRATED RUTABAGAS.
Claims use since Mar. 24, 1943.

410,960. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) CLUB ALUMINUM PRODUCTS CO., Chicago, Ill. Filed June 21, 1943. Serial No. 461,542.

TURNTABLE Bowling



FOR MINIATURE BOWLING GAME APPARATUS.
Claims use since Sept. 18, 1942.

410,961. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) RIVERSIDE & DAN RIVER COTTON MILLS, INC., Danville, Va., and New York, N. Y. Filed July 17, 1943. Serial No. 462,147.

CROSSCORD

FOR COTTON PIECE GOODS.
Claims use since Feb. 2, 1943.

410,962. (CLASS 39. CLOTHING.) GAGE BROTHERS AND COMPANY, Chicago, Ill. Filed Aug. 25, 1943. Serial No. 462,993.

Teen-Age by GAGE

Applicant is owner of T. M. Reg. No. 132,380 effected under the 10-year proviso for the word "Gage."
FOR MISSES' AND GIRLS' HATS.
Claims use since Aug. 4, 1943.

410,963. (CLASS 39. CLOTHING.) H. H. SCHMIDT GLOVE CO., INC., New York, N. Y. Filed Sept. 3, 1943. Serial No. 463,215.



The drawing is lined for the color green.
FOR GLOVES OF LEATHER, FABRIC, OR A COMBINATION THEREOF.
Claims use since Mar. 15, 1943.

410,964. (CLASS 39. CLOTHING.) ETTELBRICK SHOE COMPANY, Greenup, Ill. Filed Oct. 8, 1943. Serial No. 463,994.

Quick-On

FOR SHOES MADE OF LEATHER, FABRIC, RUBBER, OR OF COMBINATIONS OF SAID MATERIALS.
Claims use since Sept. 7, 1943.

410,965. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) MICHAEL MENON, Pittsburgh, Pa. Filed Oct. 9, 1943. Serial No. 464,028.

MENON'S
BATHING AID
and
INVIGORATOR

FOR FABRIC BACK RUBBING STRAPS FOR BATHING.
Claims use since August 1943.

410,966. (CLASS 39. CLOTHING.) MEERA BROOKE FROCKS, INC., New York, N. Y., assignor to Meera Brooke Frocks, New York, N. Y., a copartnership composed of Henrietta Alpern, William Nathanson, and Harry Markowitz. Filed Oct. 12, 1943. Serial No. 464,088.

MEERA BROOKE

FOR WOMEN'S AND MISSES' DRESSES.
Claims use since July 1, 1943.

410,967. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ROTH FABRICS CORPORATION, New York, N. Y. Filed Oct. 15, 1943. Serial No. 464,187.

fabrics by

CARTWRIGHT

FOR RAYON FABRICS IN THE PIECE.
Claims use since Oct. 4, 1943.

410,968. (CLASS 39. CLOTHING.) JOSEPH STEIN, doing business as Joseph Stein Coat Co., New York, N. Y. Filed Oct. 26, 1943. Serial No. 464,424.

Burbridge Hall

FOR LADIES', MISSES', AND JUNIOR MISSES' COATS, SUITS, SKIRTS AND JACKETS.
Claims use since Oct. 11, 1943.

410,969. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CANDYMASTERS INCORPORATED, Minneapolis, Minn. Filed Oct. 28, 1943. Serial No. 464,468.

Walnut Hill

FOR CANDY BARS.
Claims use since Sept. 9, 1939.

410,970. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BOOTT MILLS, Lowell, Mass. Filed Nov. 4, 1943. Serial No. 464,688.

VELVET TOP

FOR PIECE GOODS—NAMELY, CORDUROY.
Claims use since Oct. 28, 1943.

410,971. (CLASS 31. FILTERS AND REFRIGERATORS.) CORDLEY & HAYES, New York, N. Y. Filed Nov. 13, 1943. Serial No. 464,964.

CORDLEY

The drawing is lined for orange.
FOR WATER COOLERS.
Claims use since Sept. 15, 1940.

410,972. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) LACE NET IMPORTING CO., INC., New York, N. Y. Filed Nov. 20, 1943. Serial No. 465,188.

Lace Net Imp. Co.

FOR NET FABRICS IN THE PIECE MADE OF SILK, WOOL, COTTON, RAYON, NYLON, AND MIXTURES THEREOF.
Claims use since 1920.

410,973. (CLASS 15. OILS AND GREASES.) EDWARD J. CURRAN, New York, N. Y. Filed Dec. 20, 1943. Serial No. 465,895.

OPE-N-EZE

FOR GREASE PREPARATION TO LOOSEN TIGHT JOINTS.
Claims use since Nov. 15, 1943.

410,974. (CLASS 2. RECEPTACLES.) THOMAS M. ROYAL & COMPANY, Philadelphia, Pa. Filed Dec. 22, 1943. Serial No. 465,990.

PAK-SAKS

FOR PAPER BAGS.
Claims use since Nov. 9, 1943.

410,975. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DUBUQUE PACKING COMPANY, Dubuque, Iowa. Filed Jan. 3, 1944. Serial No. 466,271.

dubuque

FOR MEAT PRODUCTS—NAMELY, LUNCHEON SAUSAGE, JELLIED TONGUE, COOKED HAM, LUNCHEON LOAF, IOWA SWEET LOAF, SPICED JELLIED COOKED BEEF, COOKED SALAMI, NEW ENGLAND BRAND SAUSAGE, LIVER SAUSAGE, LUNCHEON ROLL SAUSAGE SMOKED, SMOKED SHOULDER BUTTS, CANADIAN-STYLE BACON, SMOKED BONELESS HAM, DUTCH BRAND LOAF, SUGAR-CURED BACON, READY-TO-EAT HAM, TENDER HAM, READY-TO-EAT BONELESS PORK SHOULDER BUTTS, READY-TO-EAT PORK SHOULDER PICNIC, AND HEAD CHEESE.
Claims use since July 3, 1931.

410,976. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) RUTGER FABRICS CORP., New York, N. Y. Filed Feb. 2, 1944. Serial No. 467,109.

RUTGER
Quality Controlled
FABRICS

FOR COTTON, WOOL, AND RAYON PIECE GOODS.
Claims use since June 10, 1942.

410,977. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FILICE & PERRELLI CANNING COMPANY, INCORPORATED, Richmond, Calif. Filed Feb. 7, 1944. Serial No. 467,237.

YOSEMITE

FOR CANNED FRUITS AND VEGETABLES.
Claims use since 1902.

410,978. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) MILO F. MILLER, Kansas City, Mo. Filed Feb. 7, 1944. Serial No. 467,254.

MEL
-O-
CHIME

FOR MANUALLY OPERABLE PERCUSSION TYPE CHIMES.
Claims use since September 1942.

410,979. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FILICE & PERRELLI CANNING COMPANY, INCORPORATED, Richmond, Calif. Filed Feb. 8, 1944. Serial No. 467,275.

WATERPAK

FOR CANNED FRUITS.
Claims use since Oct. 23, 1943.

410,980. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) NORTHRUP, KING & Co., Minneapolis, Minn. Filed Mar. 18, 1944. Serial No. 468,418.

ANDES

FOR ALFALFA SEED.
Claims use since Sept. 1, 1941.

410,981. (CLASS 39. CLOTHING.) JOSEPH ANTELL, Brookline, Mass. Filed Apr. 10, 1944. Serial No. 469,182.

Joseph Antell

FOR SHOES MADE OF LEATHER, FABRIC, RUBBER, AND COMBINATIONS OF SUCH MATERIALS.
Claims use since September 1939.

410,982. (CLASS 39. CLOTHING.) DAVID I. COHEN, doing business as Sho-Form Brassiere Company, Los Angeles, Calif. Filed Apr. 10, 1944. Serial No. 469,189.

NUADJUST

FOR BRASSIÈRES.
Claims use since June 21, 1943.

410,983. (CLASS 39. CLOTHING.) RAND RUBBER COMPANY, Brooklyn, N. Y. Filed May 26, 1944. Serial No. 470,675.

Randfilm

FOR BABY PANTS.
Claims use since September 1943.

410,984. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) RAND RUBBER COMPANY, Brooklyn, N. Y. Filed May 26, 1944. Serial No. 470,676.

Randfilm

FOR CRIB SHEETS AND WATERPROOF SHEETING.
Claims use since September 1943.

410,985. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BRAND & OPPENHEIMER, INCORPORATED, New York, N. Y. Filed June 8, 1944. Serial No. 471,020.

KANT-FADE

FOR PIECE GOODS OF RAYON, WOOL, AND COTTON, AND OF VARIOUS MIXTURES AND BLENDS THEREOF.
Claims use since Apr. 19, 1928.

410,986. (CLASS 39. CLOTHING.) JACOB SIEGEL COMPANY, Philadelphia, Pa. Filed July 10, 1944. Serial No. 472,083.

Enfield

FOR MEN'S AND BOYS' TOPCOATS AND OVERCCATS.
Claims use since Oct. 1, 1943.

410,987. (CLASS 19. VEHICLES.) ROBERT F. MEYER, Kansas City, Mo. Filed July 22, 1944. Serial No. 472,528.

GENERAL MARINE
SPEED LINER

FOR OUTBOARD MOTOR BOATS, SAIL BOATS, ROW BOATS, AND INBOARD RUNABOUTS.
Claims use since Jan. 15, 1940.

410,988. (CLASS 39. CLOTHING.) NOVELTY VEILING CO., New York, N. Y. Filed July 26, 1944. Serial No. 472,649.

Gee
Sally

FOR LADIES' NECK SCARFS.
Claims use since June 6, 1943.

410,989. (CLASS 39. CLOTHING.) KNOTHE BROTHERS CO. INC., New York, N. Y. Filed Aug. 2, 1944. Serial No. 472,864.

CHIPPENDALE

FOR MEN'S, WOMEN'S, BOYS', AND GIRLS' PAJAMAS, ROBES, SHORTS, AND UNDERWEAR.
Claims use since Dec. 14, 1933.

410,990. (CLASS 39. CLOTHING.) SYDNEY GALLAND, New York, N. Y. Filed Aug. 26, 1944. Serial No. 473,642.

DATES
Pencil Beret

FOR LADIES' HATS.
Claims use since July 15, 1943.

410,991. (CLASS 39. CLOTHING.) GOTHAM KNITTING MILLS, INC., New York, N. Y. Filed Aug. 4, 1944. Serial No. 472,949.

Ann Arden
CLASSIC

FOR KNITTED SWEATERS.
Claims use since Sept. 1, 1941.

410,992. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GAY BROTHERS COMPANY, Cavendish, Vt. Filed Aug. 5, 1944. Serial No. 472,976.

Ludlow

FOR WOOLEN FABRICS IN THE PIECE.
Claims use since August 1941.

410,993. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) HOOVER PRODUCTS, INC., Youngstown, Ohio. Filed Aug. 23, 1944. Serial No. 473,539.

TINKLE TONE

FOR TOY RATTLES.
Claims use since Apr. 11, 1941.

410,994. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) NATIONAL RIBBON CORPORATION, New York, N. Y. Filed Sept. 18, 1944. Serial No. 474,343.



FOR RIBBONS.
Claims use since Feb. 20, 1940.

410,995. (CLASS 39. CLOTHING.) HUGO HAMBURGER, New York, N. Y. Filed Oct. 7, 1944. Serial No. 475,052.

Hermosa

FOR LADIES' BLOUSES.
Claims use since Sept. 15, 1943.

410,996. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) DANIEL J. NASH, doing business as Nash Manufacturing Co., Jersey City, N. J. Filed Oct. 11, 1944. Serial No. 475,217.



FOR WALLETS, KEY CASES, PURSES, PORTFOLIOS, CATALOGUE CASES, BILL FOLDS, SCHOOL BAGS, BRIEF CASES, HANDBAGS AND POCKETBOOKS, OF LEATHER AND OF LEATHER AND FABRIC.
Claims use since Nov. 1, 1943.

410,997. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) C. J. VITNER, doing business as C. J. Vitner & Co., Chicago, Ill. Filed Oct. 26, 1944. Serial No. 475,739.

MRS. VITNER'S

FOR POTATO CHIPS.
Claims use since June 1, 1936.

410,998. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) BECTON, DICKINSON & CO., Rutherford, N. J. Filed Oct. 31, 1944. Serial No. 475,883.

MANHATTAN

FOR CLINICAL THERMOMETERS AND DENTAL WATER SYRINGES.
Claims use since 1912.

410,999. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) BECTON, DICKINSON & CO., Rutherford, N. J. Filed Oct. 31, 1944. Serial No. 475,886.

SARANAC

FOR CLINICAL THERMOMETERS.
Claims use since 1912.

411,000. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TED LEWIS, Washington, D. C. Filed June 29, 1944. Serial No. 471,805.



FOR SANDWICHES.
Claims use since Jan. 1, 1943.

TRADE-MARK REGISTRATIONS RENEWED

180,996. **POWDER PUFF BEDELL.** HOSIERY. Registered March 11, 1924. THE BEDELL COMPANY. Renewed March 11, 1944, to Bedell Stores, Inc., New York, N. Y., a corporation of New York, assignee.

184,930. **"DOW" AND DESIGN.** PENCILS. Registered June 3, 1924. LOUIS F. DOW COMPANY. Renewed June 3, 1944, to Louis F. Dow Company, St. Paul, Minn., a corporation of Minnesota, successor.

188,516. **"PRIZE PASTRY" AND DESIGN.** WHEAT FLOUR. Registered August 26, 1924. C. W. BRISTER & SON, Auburn, N. Y., a firm. Renewed August 26, 1944.

191,306. **DUOFOLD.** PENS AND PENCILS. Registered November 4, 1924. THE PARKER PEN COMPANY, Janesville, Wis., a corporation of Wisconsin. Renewed November 4, 1944.

191,626. **HONEY CREAM.** BREAD. Registered November 11, 1924. MUELLER BAKING CO., Bowling Green, Mo. Renewed November 11, 1944, to Mueller Baking Co., Springfield, Mo., a firm.

191,751. **SHANDAY.** BRUSHES OF EVERY TYPE MADE OF HAIR, FIBER, METAL, WOOL, OR COTTON FOR TOILET, HOUSEHOLD, AND VARIOUS OTHER USES: DRY MOPS, DISH MOPS, WET MOPS, YACHT MOPS, TINSEL MOPS, STREET BROOMS, GARAGE BROOMS, SHOE DAUBERS, PAINTERS' DUSTERS, FEATHER DUSTERS, PAPER-HANGER SMOOTHERS. Registered November 18, 1924. SHANE & HAYS. Renewed November 18, 1944, to Shane & Hays, Inc., Brooklyn, N. Y., a corporation of New York, successor.

191,759. **GIANT TREE.** FRESH GRAPES. Registered November 18, 1924. SEQUOIA FOOTHILL FRUIT GROWERS, Woodlake, Calif., a corporation of California. Renewed November 18, 1944.

191,976. **RUDSCO.** TIN COFFEE BOILERS AND COFFEE URNS. Registered November 25, 1924. C. K. SCOFIELD, doing business as Rudman & Scofield. Renewed November 25, 1944, to Rudman & Scofield, Inc., New York, N. Y., a corporation of New York, assignee.

192,114. **"SPLEEN MARROW" AND DESIGN.** PREPARATION TO BE USED IN THE TREATMENT OF SECONDARY ANÆMIA. Registered November 25, 1924. THE WILSON LABORATORIES. Renewed November 25, 1944, to Wilson & Co., Inc., Chicago, Ill., a corporation of Delaware, successor.

192,305. **"HY-HEAT" AND DESIGN.** LEAD-MELTING POTS, HAND LADLES, AND MOLDS FOR USE IN BRASS MILLS. Registered December 2, 1924. THE TURNER & SEYMOUR MFG. CO., Torrington, Conn., a corporation of Connecticut. Renewed December 2, 1944.

192,523. **WRIGLEY'S.** CHEWING GUM. Registered December 9, 1924. WM. WRIGLEY, JR. COMPANY. Renewed December 9, 1944, to Wm. Wrigley, Jr. Company, Chicago, Ill., a corporation of Delaware, assignee.

192,529. **CUPREX.** PREPARATION FOR THE EXTERMINATION OF ECTOPARASITES OF MEN, ANIMALS, AND PLANTS. Registered December 9, 1924. E. MERCK, Darmstadt, Germany. Renewed December 9, 1944, to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey, assignee.

192,548. **"FLINT FLINTFLEX" AND DRAWING.** PAINT ENAMELS, BODY COLORS, PRIMERS, VARNISH, SURFACERS, CLEAR, AND PUTTY. Registered December 9, 1924. FLINT VARNISH & COLOR WORKS, Flint, Mich. Renewed December 9, 1944, to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware, assignee.

192,719. **"H. A. R. T. Y. WHEAT" AND DRAWING.** FOOD PRODUCTS—NAMELY, CEREAL BREAKFAST FOODS. Registered December 9, 1924. MATTHEW J. GINTER. Renewed December 9, 1944, to General Mills, Inc., Minneapolis, Minn., a corporation of Delaware, assignee by mesne assignments.

192,795. **WILSO.** OLEOMARGARINE. Registered December 9, 1924. WILSON & CO., INC., of California, Chicago, Ill., and Los Angeles, Calif. Renewed December 9, 1944, to Wilson & Co., Inc., Chicago, Ill., a corporation of Delaware, successor.

192,964. **BLUE GRASS.** COAL. Registered December 16, 1924. MEADOR AND YOUNG, INCORPORATED, Nashville, Tenn., a corporation of Tennessee. Renewed December 16, 1944.

192,993. **"TROYOLENE" AND DRAWING.** GASOLINE AND MOTOR LUBRICATING OILS. Registered December 16, 1924. GEO. W. QUINN, doing business as Troyolene Oil Company, San Francisco, Calif. Renewed December 16, 1944, to Cities Service Oil Company, Bartlesville, Okla., a corporation of Delaware, assignee by mesne assignments.

193,246. **DAKOTA MAID.** WHEAT PRODUCTS—NAMELY, WHEAT FLOUR. Registered December 23, 1924. NORTH DAKOTA MILL AND ELEVATOR ASSOCIATION, doing business as State Mill and Elevator, Grand Forks, N. Dak., an association of North Dakota. Renewed December 23, 1944.

193,830. **SUPER-ALKALI.** CLEANSING AND WASHING COMPOUNDS. Registered January 6, 1925. THE SOLVAY PROCESS COMPANY, Solvay, N. Y. Renewed January 6, 1945, to The Solvay Process Company, New York, N. Y., a corporation of New York.

193,908. **BLAXTICK.** MACHINERY-BELT DRESSING. Registered January 13, 1925. MAIN BELTING COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed January 13, 1945.

194,010. **DAKOTA MAID.** GRANULAR WHEAT FLOUR. Registered January 13, 1925. NORTH DAKOTA MILL AND ELEVATOR ASSOCIATION, doing business as State Mill and Elevator, Grand Forks, N. Dak., an association of North Dakota. Renewed January 13, 1945.

194,210. **FLAXINE.** COMPOSITION READY OR PREPARED ROOFING. Registered January 20, 1925. PIONEER PAPER COMPANY, Los Angeles, Calif. Renewed January 20, 1945, to The Flintkote Company, New York, N. Y., a corporation of Massachusetts, assignee.

194,211. **FLAXATEX.** ASPHALT SATURATED AND COATED REINFORCING FELT FOR BUILD UP ROOFING; WATERPROOFING AND DAMPPROOFING USED IN CONNECTION WITH BUILDING CONSTRUCTIONS. Registered January 20, 1925. PIONEER PAPER COMPANY, Los Angeles, Calif. Renewed January 20, 1945, to The Flintkote Company, New York, N. Y., a corporation of Massachusetts, assignee.

194,302. **DIOMATIC.** PHOTOGRAPHIC SHUTTERS. Registered January 20, 1925. EASTMAN KODAK COMPANY. Renewed January 20, 1945, to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey, assignee.

194,620. **REPRESENTATION OF AN ARROWHEAD.** RIVETS, SCREWS, NAILS, BOLTS, BURRS, AND PRESSED-METAL PARTS. Registered February 3, 1925. ANACONDA COPPER MINING COMPANY, New York, N. Y. Renewed February 3, 1945, to Anaconda Copper Mining Company, Butte, Mont., a corporation of Montana.

194,621. **"ANACONDA FROM MINE TO CONSUMER" AND DRAWING.** RIVETS, SCREWS, NAILS, BOLTS, BURRS, AND PRESSED-METAL PARTS. Registered February 3, 1925. ANACONDA COPPER MINING COMPANY, New York, N. Y. Renewed February 3, 1945, to Anaconda Copper Mining Company, Butte, Mont., a corporation of Montana.

194,837. **POINSETINE.** CERTIFIED FOOD COLORS. Registered February 10, 1925. NATIONAL ANILINE & CHEMICAL COMPANY, INCORPORATED. Renewed February 10, 1945, to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York, by merger.

194,869. **REPRESENTATION OF A STAR COLORED RED.** AMMONIA. Registered February 10, 1925. R. H. MACY & CO., INC., New York, N. Y., a corporation of New York. Renewed February 10, 1945.

194,991. **E. Z. BELT BUCKLE.** GARMENT-SUPPORTING-BELT BUCKLES. Registered February 17, 1925. DORSEY M. WIRTH, Bucyrus, Ohio. Renewed February 17, 1945.

194,996. **DYKON.** DIAMOND-POINTED TOOLS FOR CUTTING, GRINDING, DRESSING, AND THE LIKE. Registered February 17, 1925. JOYCE-KOEBEL DIAMOND COMPANY, INC. Renewed February 17, 1945, to J. K. Smit & Sons, Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments.

194,997. **"DYKON" AND DESIGN.** GAUGES FOR DIAMOND-POINTED TOOLS. Registered February 17, 1925. JOYCE-KOEBEL DIAMOND COMPANY, INC. Renewed February 17, 1945, to J. K. Smit & Sons, Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments.

195,051. **MARVELLE.** WOMEN'S AND MISSES' DRESSES. Registered February 17, 1925. R. H. MACY & CO., INC., New York, N. Y., a corporation of New York. Renewed February 17, 1945.

195,188. **PAPER AND PULP MILL CATALOGUE.** ANNUAL CATALOGUE. Registered February 17, 1925. EDWARD B. FRITZ. Renewed February 17, 1945, to Fritz Publications, Inc., Chicago, Ill., a corporation of Illinois, successor.

195,449. **LONDONAIRE.** MEN'S SUITS. Registered February 24, 1925. HICKEY-FREEMAN COMPANY, Rochester, N. Y., a corporation of New York. Renewed February 24, 1945.

195,576. **"BELLE ISLE" AND DRAWING.** BLEACHED MUSLIN. Registered February 24, 1925. J. C. PENNEY COMPANY, Salt Lake City, Utah, and New York, N. Y. Renewed February 24, 1945, to J. C. Penney Company, New York, N. Y., a corporation of Delaware, assignee.

195,765. **SOLANTINE.** DYES, DYE-STUFFS, AND COLORS. Registered March 3, 1925. NATIONAL ANILINE & CHEMICAL COMPANY, INCORPORATED. Renewed March 3, 1945, to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York, by merger.

195,813. **CAMOGRAPH.** OXYACETYLENE CUTTING APPARATUS. Registered March 3, 1925. AIR REDUCTION COMPANY, INCORPORATED. Renewed March 3, 1945, to Air Reduction Sales Company, New York, N. Y., a corporation of Delaware, assignee.

195,814. **RADIAGRAPH.** OXYACETYLENE CUTTING APPARATUS. Registered March 3, 1925. AIR REDUCTION COMPANY, INCORPORATED. Renewed March 3, 1945, to Air Reduction Sales Company, New York, N. Y., a corporation of Delaware, assignee.

196,118. **"CARAVAN MOTOR OIL" AND DESIGN.** MOTOR LUBRICATING OILS. Registered March 10, 1925. STANDARD OIL COMPANY, San Francisco, Calif. Renewed March 10, 1945, to Standard Oil Company of California, Wilmington, Del., and San Francisco, Calif., a corporation of Delaware, assignee.

196,174. **GOLDINE.** BRONZE AND ENAMEL PAINT. Registered March 10, 1925. J. F. KURFEES PAINT COMPANY, INCORPORATED, Louisville, Ky., a corporation of Kentucky. Renewed March 10, 1945.

196,193. **"OLD FAITHFUL" AND DRAWING.** ADHESIVE PASTE. Registered March 10, 1925. THE AMERICAN CRAYON COMPANY, Sandusky, Ohio, a corporation of Ohio. Renewed March 10, 1945.

196,306. **SWEET CLOVER.** WHEAT FLOUR. Registered March 17, 1925. SCHULTZ, BAUJAN & COMPANY. Renewed March 17, 1945, to Schultz, Baujan and Company, Beardstown, Ill., a corporation of Illinois, successor.

196,362. **TRAVLWEAR.** MEN'S SUITS. Registered March 17, 1925. HICKEY-FREEMAN COMPANY, Rochester, N. Y., a corporation of New York. Renewed March 17, 1945.

196,366. **AUTELCO.** AUTOMATIC TELEPHONE SYSTEMS. Registered March 17, 1925. AUTOMATIC ELECTRIC COMPANY. Renewed March 17, 1945, to Automatic Electric Company, Chicago, Ill., a corporation of Delaware, assignee.

196,378. **"A" WITHIN CIRCLE.** FELT-BASE FLOOR COVERINGS OF THE OILCLOTH TYPE, BOTH PIECE GOODS AND RUGS. Registered March 17, 1925. ARMSTRONG CORK COMPANY, Pittsburgh, Pa. Renewed March 17, 1945, to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania.

196,479. **"HENDLERS ICE CREAM 'THE VELVET KIND'" AND DESIGN.** ICE CREAM. Registered March 17, 1925. THE HENDLER CREAMERY COMPANY, Baltimore, Md. Renewed March 17, 1945, to The Borden Company, New York, N. Y., a corporation of New Jersey, assignee by mesne assignments.

196,640. **REPRESENTATION OF A STAR WITHIN CIRCLE.** WHEAT FLOUR, SELF-RISING PANCAKE FLOUR, WHEAT MEAL, ROLLED WHEAT, CORN MEAL, TABLE BRAN, AND GRAHAM FLOUR. Registered March 24, 1925. THE RED STAR MILLING COMPANY, Wichita, Kans. Renewed March 24, 1945, to General Mills, Inc., Minneapolis, Minn., a corporation of Delaware, assignee.

196,824. **DE LUXE.** CHALK. Registered March 31, 1925. THE AMERICAN CRAYON COMPANY, Sandusky, Ohio, a corporation of Ohio. Renewed March 31, 1945.

196,865. **HATTY'S.** LADIES' HATS. Registered March 31, 1925. HATTY'S HAT CO. Renewed March 31, 1945, to Hatty's Hat Company, New York, N. Y., a firm.

196,881. **PENDENNIS.** PREPARED LIQUID PAINT. Registered March 31, 1925. J. E. KURFEES PAINT COMPANY, INCORPORATED, Louisville, Ky., a corporation of Kentucky. Renewed March 31, 1945.

196,918. **UNALITE.** GLASS ILLUMINATING BOWLS, BEING PARTS OF ELECTRIC-LIGHTING FIXTURES. Registered March 31, 1925. BUFFALO CHANDELIER CORPORATION. Renewed March 31, 1945, to Markel Electric Products Inc., Buffalo, N. Y., a corporation of New York, by change of name.

196,992. **"OLD FAITHFUL" AND DRAWING.** CANDLES. Registered April 7, 1925. THE AMERICAN CRAYON COMPANY, Sandusky, Ohio, a corporation of Ohio. Renewed April 7, 1945.

197,022. **LAND O' LAKES.** BUTTER, DRESSED POULTRY, CHEESE, EGGS. Registered April 7, 1925. MINNESOTA CO-OPERATIVE CREAMERIES ASSOCIATION, INC., St. Paul and Minneapolis, Minn. Renewed April 7, 1945, to Land O' Lakes Creameries, Inc., Minneapolis, Minn., a corporation of Minnesota, assignee.

197,189. **MERCUROCHROME.** ANTISEPTICS, GEMICIDES, AND BACTERICIDES. Registered April 14, 1925. HYNSON, WESTCOTT & DUNNING. Renewed April 14, 1945, to Hynson, Westcott & Dunning, Incorporated, Baltimore, Md., a corporation of Maryland, assignee.

197,223. **"OLD FAITHFUL" AND DRAWING.** INK PASTE USED FOR MAKING WRITING INK. Registered April 14, 1925. THE AMERICAN CRAYON COMPANY, Sandusky, Ohio, a corporation of Ohio. Renewed April 14, 1945.

197,284. **"REUTER'S SOAP", ETC. AND DRAWING.** SOAP. Registered April 14, 1925. BARCLAY & CO. Renewed April 14, 1945, to Lanman & Kemp-Barclay & Co. Incorporated, New York, N. Y., a corporation of New York, assignee.

197,323. **"FEDCO" AND DESIGN.** READY-MIXED MARINE PAINTS, READY-MIXED PAINTS FOR INDUSTRIAL PURPOSES, READY-MIXED COMPOSITION PAINTS, READY-MIXED ENAMEL, READY-MIXED RED LEAD, AND MARINE PASTE PAINTS (NOT READY-MIXED). Registered April 14, 1925. THE FEDERAL COMPOSITION & PAINT COMPANY, INC. Renewed April 14, 1945, to The Federal Paint Company, Inc., New York, N. Y., a corporation of New York, by change of name.

197,345. **AAA.** BASIC LEAD SULPHATE, A WHITE PIGMENT COMMONLY USED AS A PAINT CONSTITUENT. Registered April 14, 1925. THE EAGLE-PICHER LEAD COMPANY, Cincinnati, Ohio, a corporation of Ohio. Renewed April 14, 1945.

197,480. **"HANDY DUPLICATOR" AND DRAWING.** DUPLICATING MACHINES. Registered April 21, 1925. DITTO, INCORPORATED, Chicago, Ill., a corporation of West Virginia. Renewed April 21, 1945.

197,505. **PATEAN.** HEADACHE PILLS. Registered April 21, 1925. C. S. LITTELL & CO., INC. Renewed April 21, 1945, to McKesson & Robbins, Incorporated, New York, N. Y., a corporation of Maryland, successor.

197,516. **MENTHOL-Y.** SYNTHETIC MENTHOL. Registered April 21, 1925. THE NEW YORK QUININE AND CHEMICAL WORKS, INC., New York, N. Y. Renewed April 21, 1945, to The New York Quinine and Chemical Works, Inc., Brooklyn, N. Y., a corporation of New York, assignee.

197,552. **SHELLYS OLYMPIC.** LINIMENTS. Registered April 21, 1925. ARVID N. KJELLANDER, Norwalk, Conn. Renewed April 21, 1945.

197,620. **"JUNIOR" AND DESIGN.** KNIFE SHARPENERS. Registered April 21, 1925. ACE HARDWARE MFG. CORP'N. Renewed April 21, 1945, to Ace Manufacturing Corporation, Philadelphia, Pa., a corporation of Pennsylvania, by change of name.

197,697. **"OLD FAITHFUL" AND DRAWING.** LIME NEST EGGS. Registered April 21, 1925. THE AMERICAN CRAYON COMPANY, Sandusky, Ohio, a corporation of Ohio. Renewed April 21, 1945.

197,881. **SKIPPER.** RUBBERIZED TEXTILE FABRICS CONSISTING OF A WOVEN FABRIC ONE SIDE OF WHICH IS COATED WITH RUBBER. Registered April 28, 1925. ARCHER STRAUSS RUBBER COMPANY. Renewed April 28, 1945, to Hodgman Rubber Company, Framingham, Mass., a corporation of Massachusetts, by change of name.

198,102. **GARRETT'S.** HAIR GROWERS. Registered May 5, 1925. ROBERT JEROME GARRETT, JR. Renewed May 5, 1945, to R. J. Garrett Jr. Manufacturing Company, Inc., Jackson, Miss., a corporation of Mississippi, assignee.

198,126. **CORONA.** OIL OF YLANG-YLANG. Registered May 5, 1925. FRITZSCHE BROTHERS, INC., New York, N. Y., a corporation of New York. Renewed May 5, 1945.

198,148. **"ACE SERVESPOON" AND DESIGN.** KITCHEN UTENSIL, ESPECIALLY DESIGNED FOR USE IN TURNING OR TRANSFERRING FOODS SUCH AS EGGS OR PAN CAKES, THE UTENSIL IS PREFERABLY, THOUGH NOT NECESSARILY, MADE OF BASE METAL. Registered May 5, 1925. ACE HARDWARE MFG. CORP'N. Renewed May 5, 1945, to Ace Manufacturing Corporation, Philadelphia, Pa., a corporation of Pennsylvania, by change of name.

198,256. **BONNIE BURSON.** HOSIERY. Registered May 12, 1925. BURSON KNITTING COMPANY, Rockford, Ill., a corporation of Illinois. Renewed May 12, 1945.

198,261. **MISSION.** FRESH CITROUS FRUITS. Registered May 12, 1925. JOHNSTON FRUIT COMPANY, Santa Barbara, Calif., a corporation of California. Renewed May 12, 1945.

198,268. **SUPERSUBLIMED.** BASIC LEAD SULPHATE, A WHITE PIGMENT COMMONLY USED AS A PAINT CONSTITUENT. Registered May 12, 1925. THE EAGLE-PICHER LEAD COMPANY, Cincinnati, Ohio, a corporation Ohio. Renewed May 12, 1945.

198,282. **DEL REY.** DRIED RAISINS. Registered May 12, 1925. AMERICAN SEEDLESS RAISIN COMPANY, doing business as Del Rey Packing Company, San Francis o, Fresno. and Del Rey, Calif. Renewed May 12, 1945, to American Seedless Raisin Company, San Francisco, Calif., a corporation of California, assignee by mesne assignments.

198,295. **"CORDO-HYDE" AND DRAWING. SHOE LACES.** Registered May 12, 1925. CORDO-HYDE COMPANY. Renewed May 12, 1945, to Cordo-Hyde Company, Brockton, Mass., a corporation of Massachusetts, assignee.

198,310. **BRONCHO.** FRESH CITROUS FRUIT—NAMELY, ORANGES, LEMONS, GRAPEFRUIT. Registered May 12, 1925. REDLANDS FOOTHILL GROVES, Redlands, Calif., a corporation of California. Renewed May 12, 1945.

198,326. **"STIFEL" AND DRAWING.** OVERALLS, DRESSES, AND MEN'S DRESS AND NEGLIGEE SHIRTS. Registered May 12, 1925. J. L. STIFEL & SONS. Renewed May 12, 1945, to J. L. Stifel & Sons, Inc., Wheeling, W. Va., a corporation of West Virginia, by change of name.

198,349. **BURRO.** DERRICKS AND TRAVELING CRANES. Registered May 12, 1925. CULLEN-FRIESTEDT COMPANY, Chicago, Ill., a corporation of Illinois. Renewed May 12, 1945.

REISSUES

DECEMBER 26, 1944

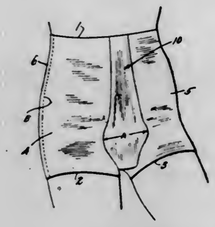
22,583

PANTIE CONSTRUCTION

Maude C. Fridolph, New York, N. Y.

Original No. 2,205,745, dated June 25, 1940, Serial No. 192,925, February 28, 1938. Renewed November 20, 1939. Application for reissue December 15, 1941, Serial No. 423,085

5 Claims. (Cl. 2—224)



5. In a garment, the combination of a strip unit and a body portion shaped to encircle the body throughout an area at least as long as the buttocks, said body portion extending below the level of the crotch and having separate leg encircling portions, the rear of said body portion being preformed to form cups for the buttocks of the wearer, said strip unit being located in the lower front portion of the garment extending toward the crotch and having a widened portion over the upper part of the pubic region, the widest portion of said strip terminating at points adapted to be located when on the wearer adjacent the opposite outer sides of the upper pubic region, said strip unit being substantially inelastic in a horizontal direction and being attached at its side edges to said body portion at the opposite edges of said widened portion and to said leg portions, the body portion adjacent said opposite edges exerting opposite horizontal forces at said edges and said leg portions exerting downward forces on said strip below said widened portion whereby said horizontal forces and downward forces cooperate on said strip to prevent upward cutting of the crotch of the wearer, the preformed cups in the rear of the garment preventing said garment from crawling up over the buttocks.

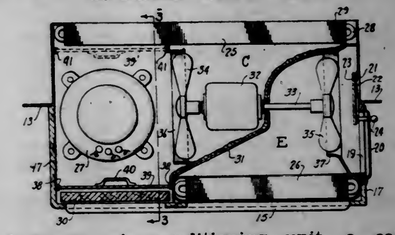
22,584

SELF-CONTAINED AIR CONDITIONER

Matson C. Terry, Abington, Pa., and Paul Komroff, Flushing, N. Y., assignors, by mesne assignments, to General Motors Corporation, a corporation of Delaware

Original No. 2,309,224, dated January 26, 1943, Serial No. 313,410, January 11, 1940. Application for reissue January 24, 1944, Serial No. 520,080

28 Claims. (Cl. 62—129)



1. In an air conditioning unit, a cabinet adapted to be disposed within a window opening, an opening at the front communicating with the inside of the space to be conditioned and an opening at the rear communicating with the outside, a cover for said cabinet, a partition separating the inside of the cabinet into two chambers and extending from a point substantially midway of the front opening diagonally toward one side of the cabinet, a refrigerating machine including an evaporator substantially covering the front opening of one chamber and a condenser substantially covering the rear opening of the other chamber, the evaporator chamber having side openings communicating respectively with the inside and outside of the space to be conditioned, a damper for said side openings adapted to uncover one or the other or a portion of each, a two way operating fan in each chamber, the condenser chamber fan being arranged normally to draw in outside air through a portion of the condenser and discharge same through another portion of the condenser, and concomitantly the evaporator chamber fan operating to draw in air and discharge same over the evaporator into the space to be conditioned, and a reversible motor for driving said fans, said fans being arranged to impart longitudinal thrusts in the same direction.

PATENTS

GRANTED DECEMBER 26, 1944

2,365,662

DEPIGMENTIZING RECLAIMED RUBBER

Harry H. Thompson, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware

No Drawing. Application March 6, 1942, Serial No. 433,672
3 Claims. (Cl. 260—714)

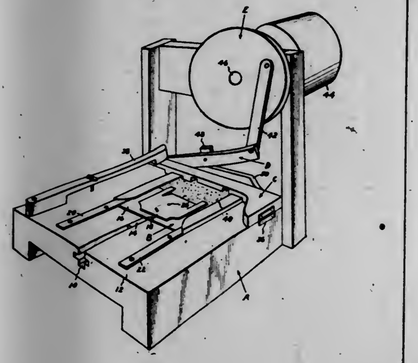
1. The treatment of carbon-black-containing devulcanized rubber stock which comprises intimately mixing at least 20% by weight of bentonite with the stock and then extracting with a rubber solvent while the bentonite inhibits removal of the carbon black by the solvent.

2,365,663

STRIP CUTTER

Apollo Torrese, Philadelphia, Pa., assignor to A. P. de Sanno & Son, Inc., a corporation of Pennsylvania

Application January 21, 1943, Serial No. 473,056
4 Claims. (Cl. 164—42)



1. In a machine for cutting sheet material, the combination of a base having a flat surface for reception of the sheet to be cut, a knife pivotally attached to said base for oscillatory movement in a plane transverse to said surface and arranged to wipe the front edge thereof in cutting relation to said sheet, means for oscillating said knife, means for presenting said sheet in position before the knife begins the cutting stroke for cutting a strip therefrom, said second named means includes a braking member for holding the sheet in place during the cutting stroke and to release said sheet during the upstroke of the cutter, and a clamping member arranged to apply pressure on said braking member while the knife is in cutting engagement and to be released from said braking member when the knife is in retracted position, said braking member being biased to be out of engagement with the sheet when not compressed thereon by said clamping member, and a stop for engaging the front end of the sheet for limiting the forward movement of said sheet.

2,365,664

CURTAIN HOLDBACK

Gertrude Troensegaard and Margaret J. Aicher, Pasadena, Calif.

Application March 30, 1942, Serial No. 436,822
8 Claims. (Cl. 160—349)



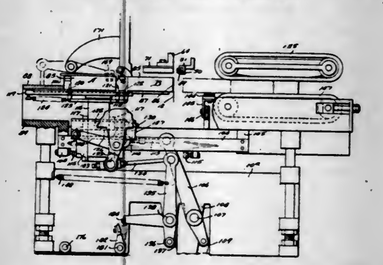
7. In a holdback device for a curtained window wherein the curtain has a transverse sleeve, a bar adapted to be threaded longitudinally through the curtain sleeve, and a keeper movably secured to the outer end of the bar, engageable with the adjacent edge of the curtain to hold the curtain back.

2,365,665

MACHINE FOR SEALING BOXES

George W. von Hofe, Bound Brook, N. J., assignor to New Jersey Machine Corporation, Hoboken, N. J., a corporation of New Jersey

Application November 11, 1942, Serial No. 465,269
19 Claims. (Cl. 216—55)



1. In a machine of the kind described, the combination of means for receiving and supporting an article in an initial position in said machine, means for shifting said article from said initial postion to an arrested receiving position at an applying station therein, means operative at said applying station for adhesively applying predetermined portions of a sealing strip to said arrested article and leaving said strip otherwise free therefrom, means for shifting said article with the partly applied strip from said applying station, and means for completing the adhesive application of said strip to said article during said shifting thereof.

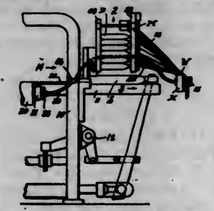
2,365,666

THREAD HOLDER FOR WEFT REPLENISHING LOOMS

Walter H. Wakefield, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts

Application April 21, 1944, Serial No. 532,093
14 Claims. (Cl. 139—247)

1. In thread holder mechanism for a weft replenishing loom having reserve bobbins from which weft ends extend, meshing geared members between which said weft ends extend, a take-up roll which turns during loom operation,



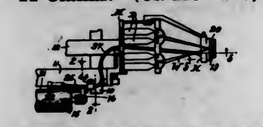
and driving connections between said take-up roll and one of said geared members effective to turn the latter to tension said weft ends as the take-up roll turns.

2,365,667

THREAD HOLDER DRIVEN FROM TAKE-UP ROLL

Walter H. Wakefield, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts

Application April 29, 1944, Serial No. 533,365
11 Claims. (Cl. 139—247)



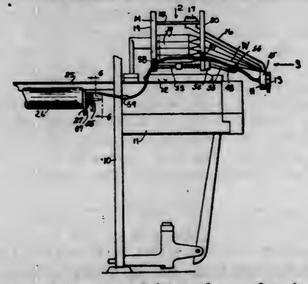
1. In a weft replenishing loom having reserve bobbins from which weft ends extend, a cloth take-up roll having a friction surface rotating during loom operation, meshing geared members between which the weft ends extend and rotatable to tension the latter, rotary means engaging said friction surface and rotated thereby as said surface rotates, and driving connections between said rotary means and geared members causing the latter to rotate to tension said weft ends when the rotary means rotates.

2,365,668

MANUALLY OPERABLE POSITIVELY DRIVEN LOOM THREAD HOLDER

Walter H. Wakefield, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts

Application May 6, 1944, Serial No. 534,471
8 Claims. (Cl. 139—247)



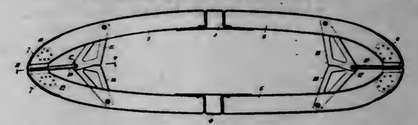
1. In a weft replenishing loom having reserve bobbins from which weft ends extend to meshing geared members rotatable to tension said weft ends, a driving gear rotating during loom operation, a driven gear continuously meshing with said driving gear, connecting means causing said driven gear and one of said geared members to rotate in unison, support means mounting the driven gear for bodily movement about the axis of the driving gear from working position to a non-working position, and a stop normally engaging the support and cooperating with the driving gear to hold the driven gear in working position and cause rotation of the driving gear to turn the driven gear and geared members to tension the weft ends, the weft ends preventing substantial rotation of said geared members when the driven gear is in non-working position and preventing rotation of the driven gear and causing continued turning of the driving gear to effect return of the driven gear to working position.

2,365,669

AIRCRAFT WING AND OTHER CONTROL SURFACES OF THE STRESSED-SKIN TYPE

Barnes Neville Wallis, Weybridge, England, assignor to Vickers-Armstrongs Limited, London, England

Application June 8, 1942, Serial No. 446,236
In Great Britain March 28, 1941
5 Claims. (Cl. 244—123)



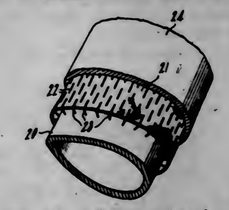
1. A basic structural framework for an aircraft wing or other control surface structure of the stressed-skin type comprising two longitudinal sections each forming a surface of the structure, said sections being formed as separate units, and means for rigidly connecting said sections along their longitudinal edges comprising pairs of jointed toggle members, one member of each pair being pivoted to one of said sections, a screw-threaded rod pivoted to each toggle joint, a nut threaded on said rod, and an abutment for said nut constituted at the adjoining edges of the assembled sections of the structure.

2,365,670

METHOD OF MAKING HEAT EXCHANGE TUBES

Edward H. Wallace, Detroit, Mich., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey

Application September 12, 1942, Serial No. 458,096
1 Claim. (Cl. 204—9)

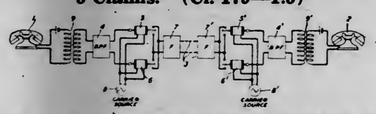


The method of making a heat exchange tube which consists in providing a core of a predetermined shape, placing around the core in enclosing relation therewith a flexible sheet having numerous metal projections extending therethrough into contacting relation with said core, electrically connecting said projections at the outer surface of said sheet, electrolytically depositing a tube about said sheet to form a heat exchange tube integral with said projections, and removing the core and sheet from the interior of said tube.

2,365,671
PROTEIN-CONTAINING PLASTIC COMPOSITIONS AND PROCESS OF PRODUCING THE SAME
Lynn A. Watt, Webster Groves, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application December 31, 1940, Serial No. 372,577
15 Claims. (Cl. 260—7)

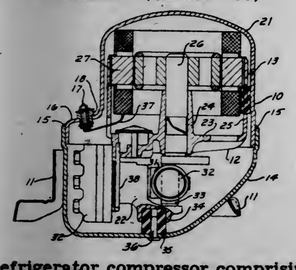
3. A new composition of matter comprising a thermo-setting phenol-formaldehyde resin, a filler and a modified protein substance comprising the reaction product of a protein-containing material and from 50% to 300%, by weight of the protein content of the protein-containing material, of a polyvalent metal hydroxide.

2,365,672
VIBRATING RELAY MODULATOR CIRCUIT
Herman A. Affel, Ridgewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 26, 1942, Serial No. 459,765
5 Claims. (Cl. 179—1.5)



1. A modulator-demodulator comprising a circuit for modulating signal waves and a circuit for demodulated carrier waves, said carrier wave circuit connected across a pair of fixed contacts, a relay having a movable contact element mounted for movement between said fixed contacts, said element having fixed electrical connection to said modulating signal circuit, a relay winding for vibrating said element to make contact alternately with said two fixed contacts at carrier frequency, and means to energize said winding by current of carrier frequency, whereby said relay converts signal currents into signal modulation carrier side-bands for transmission and converts received side-bands into signals.

2,365,673
COMPRESSOR
Ralph L. Benson, Greenville, Mich., assignor, by mesne assignments, to Gibson Refrigerator Company, Greenville, Mich., a corporation of Michigan
Original application April 11, 1942, Serial No. 438,547. Divided and this application July 15, 1942, Serial No. 450,984
7 Claims. (Cl. 230—58)

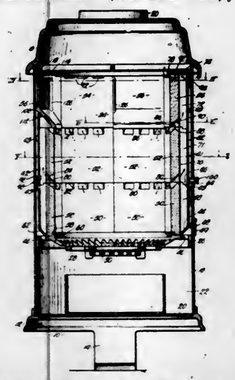


1. A refrigerator compressor comprising a metallic housing, a motor-compressor unit contained within said housing, said unit comprising an annular frame having a plurality of radially extending circumferentially spaced pairs of spaced apart lugs, and means for supporting said compressor unit in said housing comprising a plurality of blocks of deformable non-metallic sound insulating material seated between the lugs of each pair and extending radially outwardly beyond said lugs and engaging the side wall of the housing.

2,365,674
METHOD OF PRESERVING FRUIT AND VEGETABLE JUICES
Nathaniel M. H. Blumenkranz, Peekskill, N. Y.
No Drawing. Application February 14, 1940, Serial No. 318,830
3 Claims. (Cl. 99—155)

1. A method of preserving fruit and vegetable juices which comprises extracting the juice from the produce while excluding all light from the juice, and, while continuously excluding all light from the juice, enclosing said juice in a container which excludes all light therefrom.

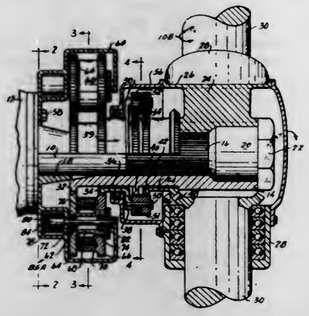
2,365,675
HEATING STOVE
Hugo R. Blumstengel, Kansas City, Mo.
Application December 23, 1940, Serial No. 371,308
14 Claims. (Cl. 126—73)



1. A heating stove comprising a cylindrical housing having a combustion chamber provided with an air inlet and a smoke outlet, a thin cylindrical lining spaced apart from said housing to form an air passage-way therebetween open to said air inlet and extending substantially the full length of said combustion chamber, relatively thick refractory lining members grooved on their outer surfaces to form with said thin lining a plurality of spaced apart gas ducts communicating with said combustion chamber intermediate the top and bottom thereof and extending upwardly to terminate in inwardly directed transverse outlets, said thin lining having openings adjacent its top whereby air will pass into said gas ducts adjacent the transverse outlets.

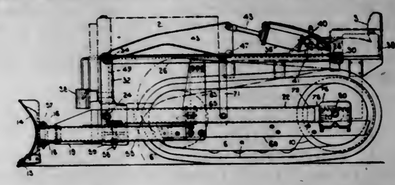
2,365,676
PROPELLER PITCH CHANGE MECHANISM
Harry D. Burkhalter, Jr., Bowling Green, Ohio
Application February 27, 1943, Serial No. 477,408
8 Claims. (Cl. 170—163)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A variable pitch propeller mechanism for an aircraft engine comprising a propeller hub, blades having their inner ends rotatable in said hub, bearings carried by said hub for rotatably supporting said blades, a speed-reducing gear housing carried by said hub, a control-gear housing non-rotatably attached to said engine, a control gear-set in said control gear housing comprising a driving control gear fast on said hub, a driven control gear, having the same number of teeth as said driving control gear, freely rotatable on said hub, and several control units, one control unit comprising a countershaft, a driving pinion rotatable on said countershaft in mesh with said driving control gear, a driven pinion rotatable on said countershaft in mesh with said driven control gear, the driven pinion having one more tooth than the driving pinion, a second control unit comprising a countershaft, a driving pinion rotatable on said countershaft in mesh with said driving control gear, a driven pinion rotatable on said countershaft in mesh with said driven control gear, the driving and the driven pinions having the same number of teeth, a third control unit comprising a countershaft, a driving pinion rotatable on said countershaft in mesh with said driving control gear, a driven pinion rotatable on said countershaft, the driving pinion having one more tooth than the driven pinion, the three control units each having a clutch for joining the driving and driven pinions in driving relation, and electromagnetic means for engaging the clutches, and a planetary speed-reducing gear-set in said speed-reducing gear housing comprising a reaction gear fast on said hub, a driven speed-reducing gear freely rotatable on said hub, said reaction gear having one less tooth than said driven speed-reducing gear, a planet pinion carrier fast on said driven control gear, and one or more elongated planet pinions rotatable on said carrier, and revolved thereby about and in mesh with both said reaction and driven speed-reducing gears, a driving bevel gear fast on said driven speed-reducing gear and a driven bevel gear on each propeller blade in mesh with the driving bevel gear.



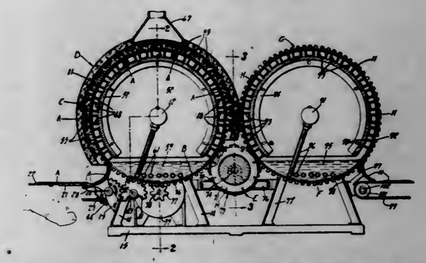
2,365,677
EARTH-MOVING MACHINERY
John Stephen Burns, Burwood Park, Walton-on-Thames, England
Application May 16, 1941, Serial No. 393,819
In Great Britain May 21, 1940
5 Claims. (Cl. 37—144)

1. An earth-moving machine provided with track sub-frames on each side of the same, an earth moving blade adjustably carried in front of said machine by members extending substantially parallel with said track sub-frames, said members comprising a parallel linkage, the lower links of said linkage being trunnioned to each sub-frame near the rear end thereof, the upper links of said linkage being mounted on trunnions carried by the main frame of said machine, a transom member carried by said linkage and



forming the mounting for the blade proper whereby the depth of cut made by said blade may be regulated by angular movement of said linkage without changing the blade's rake and camber.

2,365,678
OVEN
William F. Butler, Hillside, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application September 25, 1942, Serial No. 459,728
8 Claims. (Cl. 34—62)



1. In a machine for handling and heat treating flexible metallic sheets having freshly applied lithograph coating, the combination of a non-magnetic conveyor for propelling the sheets along a predetermined path of travel, a plurality of magnets arranged adjacent said conveyor and creating a magnetic field for holding the sheets on the conveyor, heating means for applying heat to said conveyor for maintaining the conveyor at a predetermined temperature to enable transfer of conveyor heat directly to the sheets by heat conduction, and a heat insulated casing enclosing the major portion of said conveyor for confining the heat received by said conveyor from said heating means.

2,365,679
UNDERFED STOKER
James A. Casey, Wilkes-Barre, Pa.
Application November 25, 1941, Serial No. 420,413
10 Claims. (Cl. 110—45)



1. Coal stoker of the underfeed type having a burner comprising a casing defining a fuel chamber, a blower, a jacket surrounding said casing and in communication with said blower, said cas-

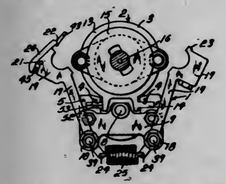
ing having air louvers communicating with the jacket chamber and the fuel chamber, a coal tube connected to the lower end of said casing, a helical conveyor in said coal tube for feeding coal to said burner having the intermediate portion of its helix of narrower pitch than the extreme portions whereby condensation of coal is produced in said portion of narrow pitch forming a gas stop, and a vent from said coal tube into said combustion chamber between said burner and gas stop.

2,365,680
ROCK DRILL
John C. Curtis, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application August 14, 1941, Serial No. 406,865
21 Claims. (Cl. 255—51)



1. A centralizer for drill steels comprising a support, a guide element mounted on said support for movement with respect thereto into and out of its steel guiding position, and power operated means carried by said support and stationary as regards bodily movement longitudinally with respect thereto, said power operated means being operatively connected to said guide element for moving the latter from one of its positions to the other.

2,365,681
DRILL STEEL CENTRALIZER
Elmer G. Gartin, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application August 15, 1941, Serial No. 407,080
10 Claims. (Cl. 255—51)



1. In a drill steel centralizer, a support, a pair of cooperating guide arms pivoted on said support, said arms being pivoted intermediate their ends and engaging the drill steel at one side of their pivots, and a coil spring extending between the guide arms at the other side of their pivots for urging said arms widely apart.

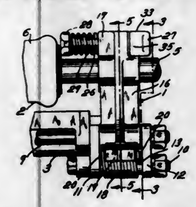
2,365,682
ROCK DRILL
John C. Curtis and Elmer G. Gartin, Claremont, N. H., assignors to Sullivan Machinery Company, a corporation of Massachusetts
Application September 18, 1941, Serial No. 411,283
16 Claims. (Cl. 255—51)

1. In a drill steel guide, a guide element engageable with a drill steel, mounting means for said guide element providing for pivotal and translatory movements thereof, locking means for holding said element in guiding position, said locking means being releasable upon translatory movement of said element, resilient means for



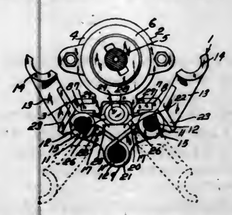
yieldingly holding said guide element in locked position, and resilient means separate and distinct from said first mentioned resilient means for automatically swinging said guide element about its pivot into its released non-guiding position when said locking means is released.

2,365,683
ROCK DRILL
John C. Curtis and Elmer G. Gartin, Claremont, N. H., assignors to Sullivan Machinery Company, a corporation of Massachusetts
Application September 18, 1941, Serial No. 411,285
10 Claims. (Cl. 255—51)



1. In a drill steel guide, a support, a pair of guide arms pivotally mounted on said support to swing toward and from one another into and out of steel guiding position, a latch guided on one of said guide arms for movement relative thereto in a direction parallel to the longitudinal axis of the drill steel, said latch being engageable with said other guide arm when said arms are together for locking said guide arms in steel guiding position, and operating means for said latch for moving the latter longitudinally relative to said arms to free the latter for swinging movement from one another.

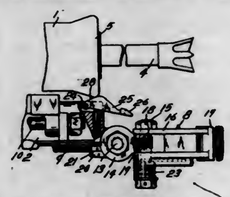
2,365,684
ROCK DRILL
Elmer G. Gartin, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application September 18, 1941, Serial No. 411,284
16 Claims. (Cl. 255—51)



1. In a drill steel guide, a support, a guiding element pivotally mounted on said support, a

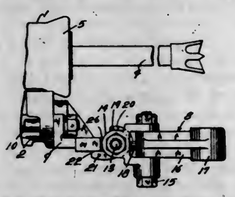
member rotatably mounted on said support on an axis coincident with the pivotal axis of said guide element, said member being engageable with said guide element to effect swinging of said guide element about its pivot and said guide element being swingable about its pivot relative to said member, and means associated with said member for effecting rotation thereof.

2,365,685
DRILL STEEL GUIDE
Charles F. Osgood, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application February 17, 1942, Serial No. 431,250
13 Claims. (Cl. 255—51)



1. In a drill steel guide, a pair of cooperating, relatively movable guide elements adapted to engage a drill steel, and means for pivotally mounting said guide elements both for swinging movement about rectangularly related axes, said axes, when the guide is in guiding position, lying in parallel planes extending in parallelism with the drill steel.

2,365,686
DRILL STEEL GUIDE
Charles F. Osgood, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application February 24, 1942, Serial No. 432,151
11 Claims. (Cl. 255—51)



1. In a drill steel guide, a pair of cooperating, relatively movable guide elements adapted to engage a drill steel, and means for pivotally mounting said guide elements to swing concurrently about parallel axes and an axis at right angles to said parallel axes, and means including cam means for effecting controlled swinging movement of said guide elements laterally about said parallel axes away from the drill steel as said guide elements are concurrently swung forwardly about said right angle axis.

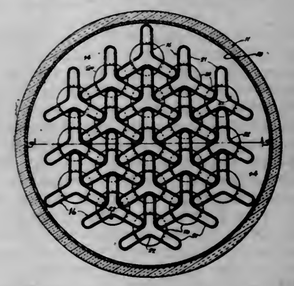
2,365,687
DRILLING IMPLEMENT GUIDE
John C. Curtis, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application June 15, 1942, Serial No. 447,016
17 Claims. (Cl. 255—51)

1. In a drill steel guide, a pair of cooperating guiding elements movable laterally into engagement with a drill steel and translationally longitudinally of the drill steel, mounting means for said guiding elements, means for holding said guiding elements in steel guiding position, and resilient means connected between and engaging said guiding elements for automatically independently moving said guiding elements laterally away from the drill steel into their released non-



guiding position when said holding means is rendered ineffective, said resilient means comprising a coil torsion spring having oppositely acting coil portions, one coil portion acting on each guiding element, and said coil portions urging said guiding elements translationally into the position wherein they are held by said holding means in guiding relation with the steel.

2,365,688
HEAT EXCHANGER ASSEMBLY
Clarence L. Dewey, Elkhart, Ind.
Application June 23, 1943, Serial No. 491,901
6 Claims. (Cl. 257—224)

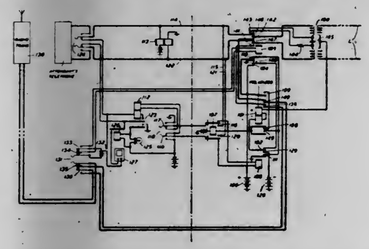


1. In a heat exchanger the combination of spaced header plates, a tank within which the header plates are located, and a plurality of tubes having their open tip ends entered into the header plates, each of the tubes being of three-lobed formation in cross section having three ridge-like arms radiating from a common center and separated by intervening grooves, the tubes having a group arrangement wherein the three arms of each tube project radially toward the centers and into the opposed grooves of three adjacent tubes, and the arms of three tubes intervening those last mentioned project radially toward the center and into the opposed grooves of the first mentioned tube.

2,365,689
SIGNALING SYSTEM
George H. Duhnkrack, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 25, 1943, Serial No. 511,678
3 Claims. (Cl. 179—2)

1. In a radio communication control system, a radio transmitter, an attendant's station associated therewith, a radio receiver and associated attendant's station, a line interconnecting said

station, a calling signal device at each station, a second signal device at the receiver station, signaling means at each station for controlling operation of the calling signal device at the other station, switching means at the transmitter station for preparing a connection between said radio transmitter and line and for actuating the second signal device at the receiver station, and other means including a switching device at said receiver station for controlling the completion of the prepared connection between the line and radio transmitter, characterized in this, that said line comprises a single pair of wires having a simplex circuit superimposed thereon serially including a three-position polar relay at each station and normally connected to a source of positive potential at the transmitter station and to ground at the other station, that control of the calling signal device at the transmitter attendant's station by the signaling means at the re-



ceiver station when said switching means at the transmitter station is not operated is effected by opening said simplex circuit at the receiver station and when the switching means at the transmitter station is operated by applying positive potential direct current to the simplex circuit at the receiver station, that control of the calling signal device at the receiver station by the signaling means at the transmitter station is effected by applying negative potential direct current to the simplex at the transmitter station, that operation of the second signal device at the receiver station by operation of the switching device at the transmitter station is effected by completing a short-circuit around said simplex circuit, and that completion of the prepared connection between said radio transmitter and line at the transmitter station by the switching device at the receiver station is effected by applying negative potential direct current to the simplex at the receiver station.

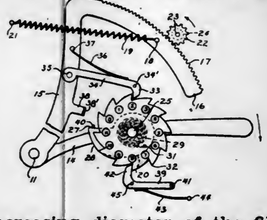
2,365,690

RAPID WINDING MECHANISM FOR ROLL FILM CAMERAS

Gustave Fassin, Grosse Pointe, Mich., assignor to Argus, Incorporated, a corporation of Michigan

Application April 4, 1942, Serial No. 437,700
4 Claims. (Cl. 242—71)

1. In a camera having a film winding spool coupled by a unidirectional clutch to a drive gear, a pivoted toothed sector meshing directly with said gear and operable to advance said spool when it is rocked in one direction, and to idly rotate said gear when rocked in the opposite direction; a lever arm operable to rock said sector in said one direction; resilient means urging said sector in the opposite direction; a shaft journalled in said camera in cooperative relationship to said sector; an exposure counter and a cam mounted for synchronous rotation with each other on said shaft; a fixed abutment on said sector so disposed as to contact said cam and stop said sector when the latter is rocked in said one direction; means for automatically advancing said cam and counter step-by-step in response to rocking of said sector, to compensate



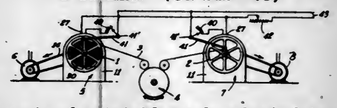
for the increasing diameter of the film wound on said spool, comprising means operable to rock said cam and counter through a small angle when said sector is moving in said opposite direction under the influence of said resilient means, and means for preventing retrograde rotation of said cam and counter.

2,365,691

APPARATUS FOR ADVANCING FILAMENTARY MATERIAL

Ferenz H. Fodor, Los Angeles, Calif.

Application October 22, 1940, Serial No. 362,199
3 Claims. (Cl. 242—75)



3. A pair of rotatable reels adapted to receive portions of a common strip of filamentary material, each reel being connected to an axially symmetrical armature member of non-magnetic material, a field member unconnected with said reel, such field member carrying pole pieces forming circularly arranged air gaps, the edge area of the armature member extending into the air gaps, such edge area being provided with openings therethrough, the total area of the openings comprising from about 40% to 110% of the total area of faces of the pole pieces; separate means for positively driving each of said field members in opposite directions; means actuated by variations in the amount of filamentary material on the reels for varying current supplied to the field members and a separate positive drive mechanism in operative engagement with the filamentary material at a point between the reels and adapted to control the travel of the filamentary material from one reel to the other.

2,365,692

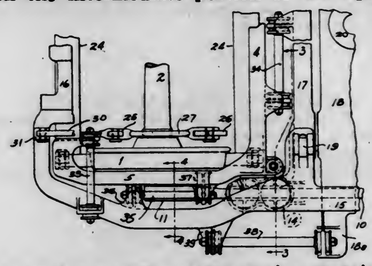
RAILWAY TRUCK

Charles F. Frede, University City, and Edwin C. Jackson, Clayton, Mo., assignors to General Steel Castings Corporation, Granite City, Ill., a corporation of Delaware

Application July 4, 1942, Serial No. 449,792
16 Claims. (Cl. 188—205)

1. In a railway truck, a wheeled axle, a journal box mounted thereon, an equalizer with an end portion supported on the journal box and with an intermediate portion spaced from the journal box, a brake gear carrying frame supported on the journal box and extending longitudinally of the truck a substantial distance inwardly of the journal box and there provided with an outward-

ly extending bracket supported at its outer end upon the intermediate portion of the equalizer



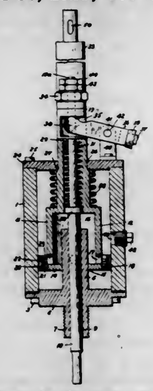
and forming a spring seat, a spring on said seat, and a load carrying frame supported on said spring.

2,365,693

HYDRAULIC TESTING MACHINE

William E. Garwood, Springfield, Mass.

Application July 17, 1943, Serial No. 495,209
8 Claims. (Cl. 73—141)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A force testing device comprising a member movable under spring bias, hydraulic means operative on said member to permit such movement at a slow rate, a plunger member arranged to engage the mechanism to be tested, said plunger mounted for movement parallel to the movement of said first mentioned member, resilient means interconnecting said first mentioned member and said plunger member, said resilient means arranged to oppose relative movement of said first mentioned member with respect to said plunger member when said plunger member engages the mechanism to be tested, and means for indicating the force applied to said resilient means by the said slow movement of said first mentioned member.

2,365,694

MEDICAMENT COMPOSITIONS AND PROCESSES OF PREPARING SAME

Robert Bruce Goodrich, Waterford, Conn., assignor of one-half to Roy F. Steward, Meriden, Conn.

No Drawing. Application January 24, 1940, Serial No. 315,431
14 Claims. (Cl. 167—70)

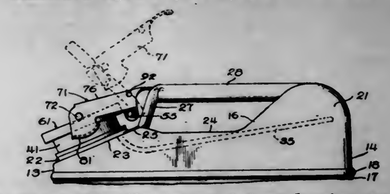
1. The process of preparing an iodine-containing composition for local application, which comprises subjecting to the hydrating action of a separately prepared aqueous dispersion of iodine and a binder, a substantially dehydrated water-soluble inorganic salt which undergoes setting in passing to a higher state of hydration and which is chemically inert toward iodine, and forming a shaped body of the resultant mixture before the setting action is complete.

2,365,695

CLOSURE FOR CANS

Letcher O. Grice, United States Army, Washington, D. C.

Application March 13, 1942, Serial No. 434,516
7 Claims. (Cl. 222—488)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



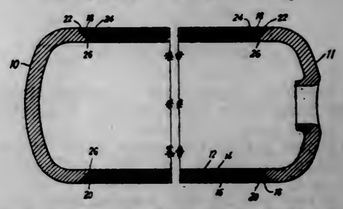
5. In combination, a container having an internally threaded outlet adjacent one side of its top and a raised handle extending across the central portion of the top and a combined spout and pivoted closure for the outlet comprising a cup member having an internally extending bottom flange resting on the rim of the outlet, a sleeve threaded into the outlet and having an external shoulder to secure the cup flange on the rim, a cap hingedly mounted on the cup member on the side adjacent the container handle and interlocking cam means on the cup member and cap including a ball-shaped cam locking plate pivoted on the cap and adapted to swing toward the hinge of the cap for locking said plate and when unlocked serving as a second handle to support the container in pouring position while at the same time holding the cap open.

2,365,696

METHOD OF MAKING LAMINATED PRESSURE VESSELS

John C. Grubb, Barberton, Ohio, assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey

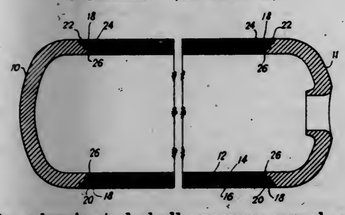
Application January 8, 1941, Serial No. 373,560
2 Claims. (Cl. 29—148.2)



1. In a method of fabricating pressure vessels of the laminated shell type, forming unitary pressure vessel heads with concentric annular weld annuli presenting stepped ring face formations forming a cylindrical inner shell component, presenting a circumferential weld groove by juxtaposing the inner shell component in alignment with an inner weld annulus of corresponding diameter, depositing weld metal in said groove and fusion uniting the head and said shell component

in a unitary structure, forming a separate circumferential weld groove separated and spaced substantially from the first by interposed shell metal by juxtaposing a concentric shell component relative to another weld annulus, simultaneously causing one shell to overlap the other in a direction endwise of the vessel, and utilizing the fusion of welding in said spaced groove to unite the other shell component with said head without interfusion or contact between the metals of the separate welds.

2,365,697
WELDED PRODUCT
John C. Grubb, Barberton, Ohio, assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey
Original application January 8, 1941, Serial No. 373,560. Divided and this application March 3, 1944, Serial No. 524,848. In Great Britain January 26, 1942
6 Claims. (Cl. 220—3)



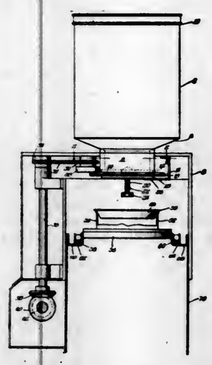
1. In a laminated shell pressure vessel, a solid unitary head having a circumferentially shouldered annular face with the shoulders stepped in line or in the same direction, the laminated shell section of the vessel including a plurality of interfitting and concentric shells in the form of hollow cylinders with the end of an inner shell in stepped relation to the corresponding end of the next shell, and means stepped in the same direction joining the head and the shells, said means including separated and stepped circumferential welds.

2,365,698
RECTIFIER AND METHOD OF MAKING THE SAME
Leslie B. Haigh, West Orange, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application October 19, 1943, Serial No. 506,799
15 Claims. (Cl. 175—366)



1. A rectifier comprising a substantially rectangular insulating base having a longitudinal groove extending across one face and a transverse groove across the same face intersecting the longitudinal groove, a first metal lead having a coating of rectifying material on one end inserted in one end of said longitudinal groove to such a distance that its coated end is positioned substantially at the intersection of the two grooves, a second metal lead inserted in the other side of said longitudinal groove to such a distance that one end is positioned substantially at the intersection of the two grooves and spaced from the coated end of the first lead, the walls of the longitudinal groove being bent over their respective leads to hold them in place in their respective sides of the longitudinal groove, and counter-electrode alloy at the intersection of the two grooves electrically inter-connecting the coated end of the one lead with the juxtaposed end of the second lead.

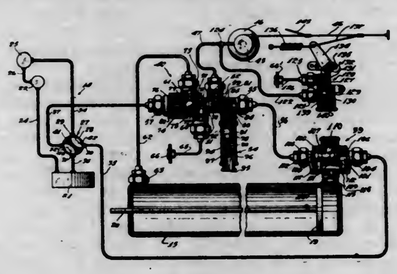
2,365,699
APPARATUS FOR MAKING PIES
Lloyd J. Harriss, Kenilworth, and Bernard Lambers, Oak Park, Ill.; said Lambers assignor to said Harriss
Application May 16, 1941, Serial No. 393,736
8 Claims. (Cl. 107—1)



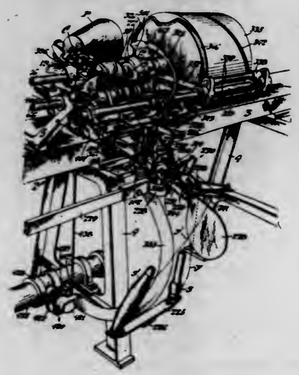
1. A device for applying a predetermined amount of a powdered ingredient to a pastry, said device comprising a plurality of apertured elements each containing a plurality of apertures including two outer elements and at least one intermediate element between said outer elements, the apertures in said intermediate element being capable of alignment alternately with the apertures of said outer elements, means for supplying a powdered ingredient to one of the outer elements, and means for moving at least one of said elements relatively to the other always in the same direction and in a predetermined manner to cause the apertures of one outer element and of the intermediate element to stop in alignment and the apertures of the other outer element and of the intermediate element to move past each other without stopping and with the apertures of not more than one of the outer elements in alignment with the apertures of the intermediate element at the same time.

2,365,700
EMERGENCY ACTUATING SYSTEM FOR FLUID MOTORS
Henry Ernest Heigis, West Orange, N. J., assignor to Specialties Development Corporation, Bloomfield, N. J., a corporation of New Jersey
Application May 8, 1941, Serial No. 392,447
6 Claims. (Cl. 121—46.5)

1. In apparatus of the class described, the combination of a cylinder, a fluid pressure operated piston in said cylinder, a valve operatively connected to one end of said cylinder for normally permitting the passage of a liquid pressure medium into said cylinder and adapted to shut off the liquid medium and permit the passage of a high pressure gaseous medium into said cylinder, and a second valve having a valve member therein normally positioned to permit the passage of the liquid pressure medium from the other end of the cylinder to a reservoir, said second valve being operable by the gaseous medium to move said valve member into a position to prevent the passage of liquid medium to the reservoir and to release the liquid medium in the other end of said cylinder.



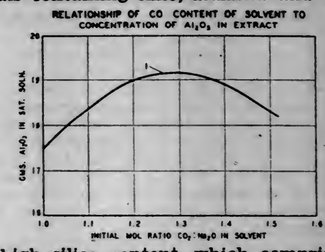
2,365,701
WINDING MACHINE
Frank William Higgins, Cranston, R. I., assignor to Universal Winding Company, Cranston, R. I., a corporation of Massachusetts
Application February 7, 1942, Serial No. 429,928
70 Claims. (Cl. 242—35.6)



1. In a winding machine, means for supporting a package for rotation, driving means for rotating the package in one direction to wind yarn thereon, a second driving means for rotating the package in the opposite direction to unwind the yarn therefrom, and clutch-means for disconnecting one of the driving means to arrest the rotation of the package and connecting the other driving means to rotate the package in the opposite direction to unwind the yarn therefrom.

2,365,702
EXTRACTING ALUMINA
Travis P. Hignett, near Sheffield, Ala., assignor to Tennessee Valley Authority, a corporation of the United States of America
Application March 6, 1944, Serial No. 525,279
5 Claims. (Cl. 23—141)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A process of producing aluminum hydroxide with low-silica content from sintered or fused materials containing lime, alumina and a relatively high silica content, which comprises the step of



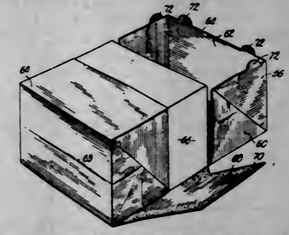
(a) extracting such a sintered or fused material with an aqueous solution containing chiefly sodium carbonates, a substantial proportion of which is in the form of sodium bicarbonate.

2,365,703
ALKYLATED CYCLOBUTANE CARBOXYLIC ACID PRODUCTS AND PROCESS FOR PRODUCING THEM
Edward J. Jahn, Edwardsville, Ill., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application March 2, 1942, Serial No. 433,026
18 Claims. (Cl. 260—341)

1. A process for the production of a saturated, substituted succinic acid anhydride which comprises reacting octadecylene with maleic acid anhydride in the presence of elemental iodine.

15. A compound from the class consisting of 3-alkylcyclobutane-1,2-dicarboxylic acid and 3-alkylcyclobutane-1,2-dicarboxylic acid anhydride wherein the sum of the carbon atoms in the alkyl group of said compounds is at least 14.

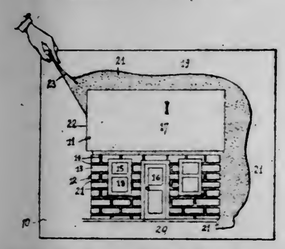
2,365,704
PACKAGE WRAPPING
Bill Y. James, Miami, Okla., assignor of one-half to Caroline Y. James, Miami, Okla.
Application January 2, 1942, Serial No. 425,436
2 Claims. (Cl. 229—87)



1. A pre-formed package wrapping of the character described comprising a quadrangular blank; and opposed cover sections attached to opposite edges of the blank, each section having adjoining end, top and side walls, said end walls being contiguous with said blank, and creased inwardly at the junctions therewith, said top walls being contiguous with and folding inwardly at the line of juncture with said end walls, each of said side walls being respectively comprised of a quadrangular member contiguous with and plaited inwardly from said end and top walls, said member being bent outwardly along the transverse median thereof, said bend being contiguous with

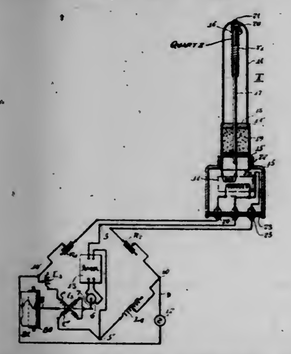
but opposed to the fold at the line of juncture of the end walls and the top wall adjacent thereto, said bend extending outwardly from a point on the plait and dividing said member into a quadrangular part and a portion, the part being adjacent the end and the portion being adjacent the top, said part and said portion having corresponding opposed diagonal flexions, said flexions extending from said point on the plait, the flexion of the portion adjacent the top being inwardly and the flexion of the part adjacent the end being outwardly, said part and said portion forming areas in overlying relation and secured together.

2,365,705
METHOD OF APPLYING TEMPORARY PROTECTIVE COATINGS
Andrew Jeri, Brooklyn, N. Y., assignor to Andrew Jeri Company, Inc., New York, N. Y., a corporation of New York
Application February 26, 1941, Serial No. 380,631
2 Claims. (Cl. 117—6)



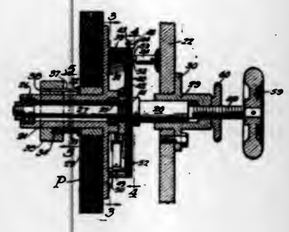
1. The process of preparing a drawing, including the steps of applying a temporary protective coating over those portions of the drawing not being worked on, performing desired operations on other parts of the drawing so that such operations should not affect the protected portions, said coating being peelable, and removing said coating by peeling after said operations on said other parts of the drawing are finished.

2,365,706
TEMPERATURE COMPENSATED CONDITION RESPONSIVE MEASURING SYSTEM
George Keinath, Larchmont, N. Y.
Application January 24, 1942, Serial No. 428,028
9 Claims. (Cl. 73—362)



5. An electric device for measuring temperatures, comprising in combination a temperature-responsive measuring resistor of relatively low impedance to be exposed to the temperature to be measured, an A. C. measuring circuit of relatively high impedance, a step-up transformer disposed close to said measuring resistor so as to be exposed to elevated temperature when in operation, said transformer having a low-impedance winding connected with said measuring resistor and a high-impedance winding connected with said circuit compensating circuit means arranged close to said transformer and connected with said circuit so as to substantially annul therein the effects caused by impedance variations of said transformer due to variations in temperature, control means disposed in said circuit to respond to the resistance variations of said measuring resistor, an adjustable impedance device disposed in said circuit for counteracting the effect of said measuring resistor on said control means, said adjustable impedance device being connected with said control means to be controlled by the latter, and means for indicating the adjusted position of said impedance device as a measure of the temperature to be determined.

2,365,707
CONDENSER WINDING MACHINE
Eugene M. Kile and Simon Kain, Chicago, Ill., assignors to John E. Fast & Company, Chicago, Ill., a corporation of Illinois
Application February 3, 1942, Serial No. 429,388
5 Claims. (Cl. 242—57)



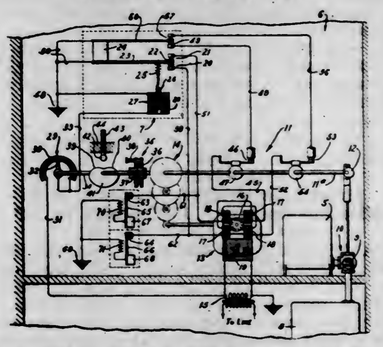
1. In a condenser winding machine the combination of a plurality of rotatably mounted hub members adapted respectively to hold rolls of wound up strips of insulating material, the rolls being each rotatably mounted upon its hub member and positioned to deliver said strips to a common center for union into a composite strand, each hub member being rigid with a disc adapted to frictionally engage the side of a roll to impart limited rotation to the hub member as the roll is unwound under tension, means for winding the strips delivered under tension from the rolls into a composite strand in the form of a condenser, a fixed member adjacent each rotatably mounted hub member and having stop means for limiting forward rotation of the hub member under unwinding tension, means for reversely rotating the hub member when tension is released and switch members adapted to control a motor circuit supplying power for actuating the winding means, one of said switch members being positioned to maintain power applying relation to the other by the forward rotation of the hub member with its disc occasioned by friction imparted by the tension of the unwinding strip and positioned to be oppositely moved to deenergize the motor circuit as the hub member is reversely rotated when the tension is released.

2,365,708
PROJECTILE
William J. Landen, Arlington, Va., Joseph H. Church, Austin, Minn., and Wilfred E. Thibodeau, Cleveland, Ohio,
Application June 7, 1941, Serial No. 397,128
2 Claims. (Cl. 102—56)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



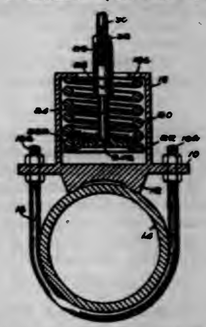
1. A projectile comprising an outer cup-shaped shell of a relatively soft metal having an interior forwardly facing shoulder, an inner shell member of a relatively hard metal slidably fitted in and extending forwardly of said outer shell and having an exterior rearwardly facing shoulder engaging said first mentioned shoulder to support the inner shell against setback with its rear edge spaced from the bottom of the outer shell, a main charge in said inner shell, a capsule inserted in said inner shell having a rim positioned in the space between the rear edge of the inner shell and the bottom of the outer shell, said capsule containing at least a part of said main charge, and a priming charge in the rim, said shoulders being positioned in the portion of the projectile adapted to be engaged by the neck of a cartridge case for support thereby against radial deformation.

2,365,709
CONDITION CONTROL
Edgar D. Lilja, Rockford, Ill., assignor to Barber-Colman Company, Rockford, Ill., a corporation of Illinois
Application September 13, 1941, Serial No. 410,681
8 Claims. (Cl. 236—68)



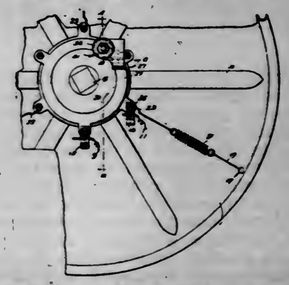
6. A control system having, in combination, a driven member, an electric motor driving means therefor selectively energizable to drive said member in opposite directions, main and auxiliary energizing circuits individually governing the energization of said driving means to determine the direction and extent of operation thereof, primary condition responsive means governing said main circuit to cause said driving means to modulate the position of said member variably in proportion to changes in the condition value, and secondary condition responsive means operable throughout the persistence of a deviation in the value of said condition from a predetermined value to energize said auxiliary circuit intermittently and cause further movement of said member at a slower average speed.

2,365,710
PIPE HANGER
Albert J. Loepsinger, Providence, R. I., assignor to Grinnell Corporation, Providence, R. I., a corporation of Delaware
Application August 27, 1943, Serial No. 500,285
1 Claim. (Cl. 248—54)



A pipe hanger comprising a tie arranged for connection with a support, a bearing plate carried by said tie, a spring coiled about a portion of said tie with one end engaging the bearing plate, a housing for said spring having at one end an internal radially extending flange engaging the other end of said spring and having at the other end external laterally extending flanges, a pipe-engaging chair depending from said housing intermediate said external flanges, and a yoke having its ends adjustably secured to said flanges for holding a pipe in engagement with said chair.

2,365,711
CONSTANT COMMUNICATION DEVICE
Presley E. McClevey, Chicago, Ill.
Application March 12, 1943, Serial No. 478,902
4 Claims. (Cl. 191—12)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A device providing for communication through a wire cable while it is being laid from a reel, said device comprising, a plurality of springs each having a hook at one end thereof, said hooks

being adapted to be secured to the reel, a sheet of insulation mounted on the opposite ends of said springs from said hooks in substantially concentric relation with the rotational axis at the reel a ring of conducting material mounted on said sheet, a brush of conducting material positioned so as to bear on and reciprocate with a limited motion relative to said ring, and terminals providing for ready attachment and detachment of the wires of said cable to said ring and to one of said springs respectively.

2,365,712

LUBRICATING OIL COMPOSITION

John G. McNab, Cranford, and Carroll J. Wilson and Carl Winning, Westfield, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application December 31, 1941, Serial No. 425,129
14 Claims. (Cl. 252—34)

1. An organic composition containing a small quantity of an organic compound of the formula

ROM

where R is a member of the group consisting of aliphatic and aromatic radicals which are free from carboxyl and metal substituted groups, M is a member of the class consisting of metals and basic radicals and the oxygen is attached to a carbon atom which is attached only to carbon, hydrogen or nitrogen, and a small quantity of a compound of the formula

$R'_n ArOR''$

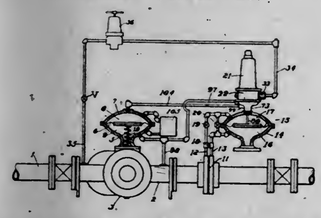
where Ar is an aromatic nucleus, R' is an organic radical, R'' is a tertiary aliphatic radical and n is an integer.

2,365,713

AUTOMATIC PRESSURE LOADER

Allen D. MacLean, Pittsburgh, Frederick H. Kindl, Wilkinsburg, and Howard J. Evans, Export, Pa., assignors to Pittsburgh Equitable Meter Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application June 8, 1942, Serial No. 446,244
2 Claims. (Cl. 50—16)



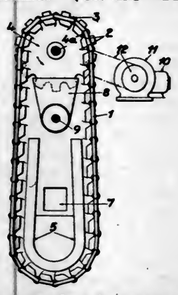
1. In a gas distribution system, a high pressure main, a low pressure main, and a valve between said mains to control the flow therethrough, a main pressure responsive means providing main fluid pressure chambers on opposite sides thereof and operatively connected to said valve, means connecting said high pressure main to one of said main fluid pressure chambers including a pilot regulator having spaced connected diaphragms providing a valve chamber therebetween and a control chamber on one side of one of said diaphragms, a valve in said valve chamber operatively connected to said spaced diaphragms to control admission of fluid thereto, means providing a bleed connection between said valve chamber and said low pressure main, a second pressure responsive means connected to said pilot regulator diaphragms and providing differential pressure chambers on opposite sides thereof, means in the low pressure main providing a differential pressure proportional to flow, conduits connecting said latter means to said differential pressure chambers, and means connected to said low pressure main between said main valve and differential pressure means for conducting the pressure of the low pressure main to the other of said main fluid pressure chambers and to said control chamber.

2,365,714

CONTINUOUS ELEVATOR

Folke Gösta Robert Magnusson, Stockholm, Sweden

Application December 27, 1941, Serial No. 424,594
In Sweden September 19, 1940
2 Claims. (Cl. 198—140)



1. In a continuous elevator comprising an endless conveyor arranged to travel in a path consisting of arcs joined by ascending and descending runs and side plates mounted in the lower arc of said conveyor path, the combination of a series of buckets mounted on the inside of said conveyor, each of said buckets being open at its front and having a bottom, a rear wall, a curved connecting portion extending upwardly and rearwardly from the rear edge of said bottom to the lower edge of said rear wall, a curved lip at the front end of said bottom underlapping the curved connecting portion of the preceding bucket to a lesser extent when the corresponding buckets traverse the ascending and descending runs of the conveyor path and to a greater extent when said buckets traverse the arcs of the conveyor path, and parallel side walls terminating near the line where the bottom merges into said lip and being cut away on an oblique upwardly and rearwardly extending plane.

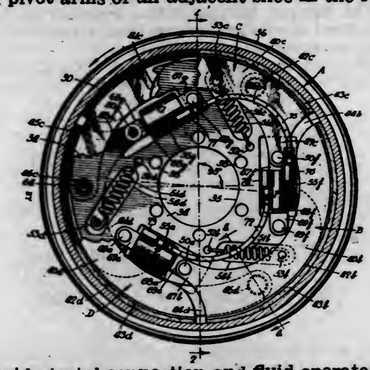
2,265,715

FRICTION BRAKE

Gustav Mattersdorf, New York, N. Y.

Application January 5, 1942, Serial No. 425,655
17 Claims. (Cl. 188—78)

1. A friction brake having a rotatable brake drum, a relatively fixed support, at least three brake shoes positioned successively in substantially the same circumferential path and having contact portions for engagement with said drum, each of said shoes also having a pair of spaced pivot arms pivotally connected to said support within the sector of the engaging surface of an adjacent shoe, said pivot arms straddling said support adjacent said pivotal connection, each of said shoes also having a pair of inwardly extending web members spaced somewhat more apart than said pivot arms so that the web members of each shoe straddle the pivotal connection and pivot arms of an adjacent shoe in the region



of said pivotal connection and fluid operated motors located internally of the drum for operating said shoes.

2,365,716

STATIONERY

Albert W. Metzner, Dayton, Ohio, assignor to The Standard Register Company, Dayton, Ohio, a corporation of Ohio

Application May 18, 1942, Serial No. 443,369
7 Claims. (Cl. 283—62)



1. Series connected detachable form stationery comprising a continuous strip of translucent material foldable upon itself upon a longitudinal fold line, a succession of longitudinally spaced imprints permanently enclosed upon an inner face of the folded strip, the folded areas of the strip being united face to face with the imprint therebetween, and a succession of longitudinally spaced transverse division lines intermediate succeeding imprints upon which the folded strip is divisible into a series of separate sheets, the construction and arrangement being such that imprinted characters are irremovably embedded within a sheet assembly intermediate superposed plies thereof in simulation of a conventional watermark and visible only upon observation through the translucent sheet assembly.

2,365,717

MONOHYDRIC ALIPHATIC NITROALCOHOL ESTERS OF UNSATURATED DICARBOXYLIC ACIDS

Charles Joseph Mighton, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 26, 1941, Serial No. 408,404
6 Claims. (Cl. 260—78)

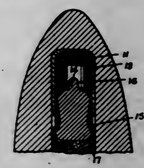
4. A polymer obtained by the polymerization of a polymerizable conjugated butadiene with a mononitro alkanol diester of an alpha ethylenically-unsaturated, alpha,beta-dicarboxylic acid.

2,365,718

PROJECTILE

Wiley T. Moore, United States Army, Laverne, Okla.

Application January 15, 1941, Serial No. 374,503
3 Claims. (Cl. 102—73)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



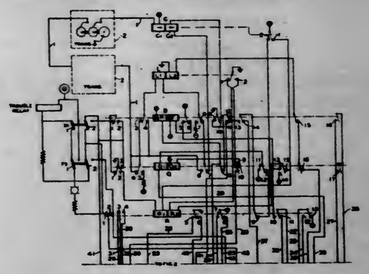
1. A projectile comprising a main charge and a separate firing component, said firing component comprising an elongated tubular capsule, a detonating charge transversely fixed in the forward end of said capsule, a discrete inertia striker carried in the rear end of said capsule and spaced from said detonating charge, said capsule providing a substantially free space between said striker and said detonating charge, an inwardly projecting stop member on the wall of said capsule between the rear of said striker and said detonating charge for confining said striker in the rear part of said capsule and out of contact with said detonating charge in ordinary handling and during free flight of the projectile, said stop member being outwardly deformable by pressure of said striker thereagainst during forward movement of said striker upon impact of said projectile with a target to release said striker for further forwad movement against said detonating charge.

2,365,719

SIGNALING SYSTEM

Manfred W. Muehter, Nutley, N. J., assignor to American District Telegraph Company, Jersey City, N. J., a corporation of New Jersey

Application August 3, 1940, Serial No. 350,623
6 Claims. (Cl. 177—367)



6. In a signal transmitting system, a code transmitter for sending a break signal followed by a make and ground signal, a repeating relay responsive to the signals, a timing relay responsive to the first ground impulse, a switching relay, contacts operated by the timing relay and the repeating relay for energizing the switching relay on the succeeding break impulse whereby the first ground impulse of any code signal is deleted to thereby delete impulses caused by capacity effects, a register and contacts operated by the repeating relay and the switching relay for operating the register.

2,365,720
HIGH FREQUENCY CORE MATERIAL AND CORE
Charles C. Neighbors, Chicago, Ill., assignor to Johnson Laboratories, Inc., Chicago, Ill., a corporation of Illinois
Application February 9, 1940, Serial No. 318,114
7 Claims. (Cl. 175—21)

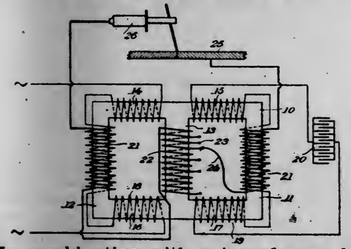


7. A compressed ferromagnetic core having its magnetic component consisting principally of synthetically produced ferromagnetic minute particles of magnetic oxide of iron in substantially spherical form.

2,365,721
MANUFACTURE OF ALIPHATIC AMINES
John Frank Olin, Grosse Ile, and James Francis McKenna, Wyandotte, Mich., assignors to Sharples Chemicals Inc., Philadelphia, Pa., a corporation of Delaware
No Drawing. Application October 31, 1941, Serial No. 417,272
8 Claims. (Cl. 260—585)

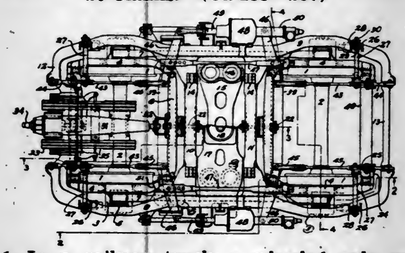
1. The method of making aliphatic amines by condensing an alcohol chosen from the class consisting of open chain primary and secondary aliphatic alcohols containing at least two and not more than eight carbon atoms with ammonia, which comprises passing a mixture of said alcohol, together with ammonia and hydrogen, continuously over a metallic hydrogenation catalyst at a temperature between 150 and 230° C.

2,365,722
TRANSFORMER
Frederick Carlisle Owen, Fayetteville, N. C.
Application May 12, 1936, Serial No. 79,367
5 Claims. (Cl. 171—119)



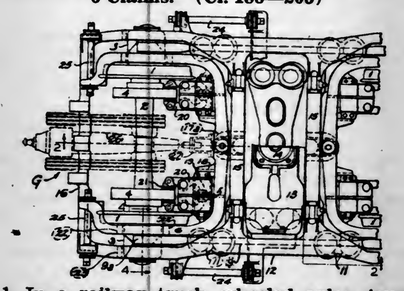
1. In combination with a transformer having a normally low power factor and including a primary and secondary, a reactance of a character to materially improve the power factor, and an energizing winding for the reactance inductively related only to the secondary to automatically render the reactance effective only when the secondary is under load.

2,365,723
RAILWAY TRUCK STRUCTURE
Harry M. Pflager, St. Louis, Mo., assignor to General Steel Castings Corporation, Granite City, Ill., a corporation of Delaware
Application March 16, 1942, Serial No. 434,898
20 Claims. (Cl. 188—207)



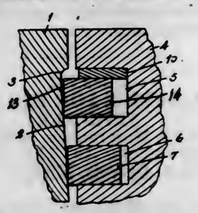
1. In a railway truck, a wheeled axle unit, journal boxes thereon, a load carrying frame and a brake gear carrying frame supported from said journal boxes and movable relative to each other, brake elements applicable to the wheel and axle unit and supported by the brake gear carrying frame, and a leverage system for the brake gear and having its power applying means and dead end anchored to the load carrying frame and having a portion operatively connected to said elements, there being yielding connections between the brake gear carrying frame and the load carrying frame to hold them against relative movement from their normal operating positions transversely of the truck.

2,365,724
RAILWAY TRUCK STRUCTURE
Harry M. Pflager, St. Louis, Mo., assignor to General Steel Castings Corporation, Granite City, Ill., a corporation of Delaware
Application June 18, 1942, Serial No. 447,496
6 Claims. (Cl. 188—205)



1. In a railway truck, wheeled axles, journal boxes thereon, a brake drum on one of the axles, an individual framing member supported from the journal boxes of one axle, an equalizer at each side of the truck extending between the axles and being supported therefrom, a truck load carrying frame spring-supported from said equalizers and providing a support for said member at a point spaced longitudinally of the truck from its supporting journal boxes, and friction elements for application to said drum and actuating mechanism therefor carried by said member, the truck load carrying frame including an end transverse transom positioned outwardly of the wheels, there being an electric generator device carried on said transom between the side portions of the brake gear carrying framing member and extending longitudinally of the truck abreast of the brake drum on the adjacent axle.

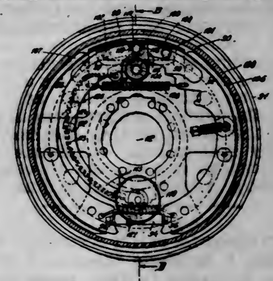
2,365,725
REGROOVE PISTON RING ASSEMBLY AND METHOD
Harold P. Phillips, Hastings, Mich., assignor to Hastings Manufacturing Company, Hastings, Mich., a corporation of Michigan
Application April 23, 1942, Serial No. 440,237
4 Claims. (Cl. 29—156.5)



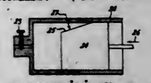
2. A method of correcting worn piston compression ring grooves having rounded worn edges comprising machining the top and bottom of the groove to substantially enlarge its axial width over the original axial width by removing the round worn edges thereof and restoring the side walls of the groove to flat parallel condition, thus bringing its upper wall above the shoulder at the top of the worn surface of the cylinder when the piston is at top dead center, placing a cast iron replacement ring in said groove, the axial thickness of which ring equals approximately to and is no greater than the original axial width of the groove, and disposing on top of said ring in said enlarged groove an annular split complemental spacer element of axial thickness equal to that of the stock removed from the walls of the groove in restoring the same, thereby constituting a new top groove wall for the replacement ring spacing the same from the restored top groove wall, said element being of substantially less radial thickness than the main ring and lying within the outer periphery of the groove when installed, the relative axial dimensions of the replacement ring and the spacer element being such that at the limit of the upward stroke of the piston, the top surface of the ring is below the shoulder at the upper end of the worn zone of the cylinder, caused by wear of previously replaced rings.

2,365,726
ELECTROMAGNETICALLY ACTUATED BRAKE
William F. Penrose, Irvington, N. J., assignor to Empire Electrical Brake Corporation, a corporation of Delaware
Original application February 28, 1940, Serial No. 321,169, now Patent No. 2,273,065, dated February 17, 1942. Divided and this application September 29, 1941, Serial No. 412,719
3 Claims. (Cl. 188—78)

1. In an internal brake, the combination of a drum having a flange portion and adapted to rotate about an axis, a non-rotatable support fixedly arranged adjacent said drum, an anchor carried by said support, friction member means having oppositely disposed operating ends between which said anchor extends, a pivot pin supported by said anchor and arranged adjacent the said operating ends of the friction member, a lever pivoted on said pin and having a short arm adapted to actuate said operating ends of the friction member means, said short arm of the lever having a pin member extending between said operating ends, link means pivotally connected on each of the said operating ends of the friction member means and having shaped free ends adapted to engage the said pin member on said short arm when the brake is in the retracted position, said link means being adapted to operatively move the friction member means into braking engagement with the drum flange upon movement of said lever about said pivot.



2,365,727
DASHPOT DAMPING SYSTEM
Carl L. Pike, East Saugus, Mass., assignor to General Electric Company, a corporation of New York
Application January 23, 1943, Serial No. 473,400
6 Claims. (Cl. 188—94)



1. A dashpot comprising a solid cylindrical wall hollow cylinder, a piston movable therein causing a variation in the pressure relation on opposite sides of the piston, said piston being shaped for the purpose of and to cause the pressure difference on opposite ends of the piston to produce a substantial sidewise pressure on said piston resulting in sidewise friction between the piston and cylinder proportional to such pressure difference.

2,365,728
TREATMENT OF SAUSAGES AND SAUSAGE CASINGS
Gustav Redemske, Chicago, Ill., assignor to Armour and Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application May 9, 1940, Serial No. 334,270
10 Claims. (Cl. 99—109)

1. A method of preparing sausages comprising treating unstuffed animal casings with a small amount of a proteolytic enzyme, terminating the treatment before the enzyme has acted to affect the tensile strength of the casings, whereby said casings are conditioned for tenderizing but contain substantially all their original tensile strength, stuffing said treated casings with meat, and subjecting the stuffed casings to heat whereby said meat is cooked and said casing is tenderized with a substantial reduction in its tensile strength.

2,365,729
ACTIVATED CARBON CATALYST BODIES AND THEIR PREPARATION AND USE
Erwin A. Schumacher, Parma, and George W. Heise, Rocky River, Ohio, assignors to National Carbon Company, Inc., a corporation of New York
No Drawing. Application November 14, 1941, Serial No. 419,108
13 Claims. (Cl. 23—126)

1. Method of oxidizing an oxidizable fluid material which comprises contacting molecular oxy-

gen with said fluid material in the presence of activated carbon in the catalytically active state produced by prolonged calcining, after activation, at temperatures between 925° and 1000° C. under conditions excluding air, steam, carbon dioxide and all other oxidizing media.

7. In a method of preparing a carbon catalyst body the steps of partially oxidizing a porous carbon char in an oxidizing medium at a temperature below its ignition temperature in such medium, and thereafter heating the carbon under substantially nonoxidizing conditions excluding air, steam, carbon dioxide, and all other oxidizing media at a temperature exceeding 925° C.

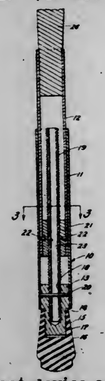
2,365,730

ADJUSTABLE FOOT STRUCTURE

William J. Seyfferle, Cincinnati, Ohio

Application December 13, 1943, Serial No. 514,032

6 Claims. (Cl. 135—50)



1. An extensible foot device comprising an outer tubular member, a threaded rod disposed concentrically therein and fixed thereto at one end, and an inner tubular member having its outer wall surface bearing on the inner wall surface of the outer tubular member and having an internally threaded portion engaging with the threads on said rod.

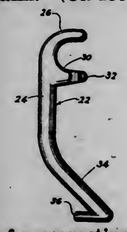
2,365,731

CAMBER AND CASTER CORRECTION TOOL

Lowell W. Simons, Tulsa, Okla.

Application June 18, 1942, Serial No. 447,597

1 Claim. (Cl. 153—32)



A bending tool for correcting camber and caster of the steering knuckle of an automobile, comprising a rigid body member which when in an upright position is provided at its top with an integral forwardly projecting finger adapted to engage one side of the top portion of a steering knuckle support arm, a forwardly projecting thumb integral with said body, arranged below the finger and displaced laterally relatively thereto and adapted to engage the opposite side of said support arm, the body extending downwardly below said thumb for a distance approximately equal to the distance between the top of the finger and the bottom of the thumb and a leg of approximately the same length as the body, rigidly united therewith and inclined gradually forwardly and downwardly from said body, the lower end of the leg terminating in a foot forming an abutment against which pressing means may be applied for turning the tool about a fulcrum formed by said thumb.

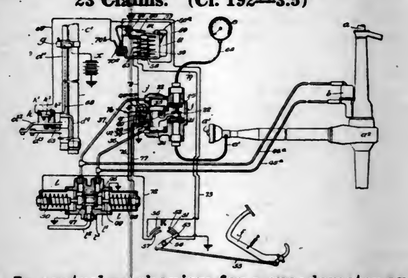
2,365,732

CONTROL DEVICE FOR USE ON MOTOR VEHICLES

Herbert C. Snow, Kalamazoo, Mich., assignor, by mesne assignments, to The Timken-Detroit Axle Company, Detroit, Mich., a corporation of Ohio

Application March 19, 1941, Serial No. 384,223

23 Claims. (Cl. 192—3.5)



1. In control mechanism for a speedometer and a multi-speed axle driven from the propeller shaft of a vehicle equipped with a variable speed transmission selectively controlled by a gear shift lever, the combination of a speedometer drive shaft-section, two-speed gearing driven by said propeller shaft for driving said shaft-section, a speedometer driven by said two-speed gearing, suction-operable means for controlling the gearing to drive said shaft-section at different speed ratios, valve-means for controlling the suction to said control means, electromagnetic means for controlling the valve-means, and means for manually and selectively controlling the electromagnetic means comprising a switch controlled by the gear shift lever.

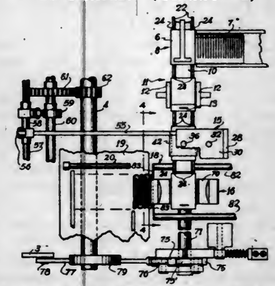
2,365,733

MATCH BOOK ASSEMBLING MECHANISM

Morris Spector, Chicago, Ill., assignor to Spector Patents, Inc., Chicago, Ill., a corporation of Illinois

Application February 28, 1941, Serial No. 381,166

11 Claims. (Cl. 226—4)



1. In a match book making machine wherein match books are advanced in a line step by step

along a path in a direction from the back towards the front of the machine and with the thin ends of the books all facing in the same direction, stacking mechanism for stacking the books in a row below and at right angles to the aforesaid path of movement of the books, a reversing mechanism receiving the successive books of a line of books and reversing only alternate ones, and a transfer mechanism receiving the books from the reversing mechanism and transferring them to the stacking mechanism.

2,365,734

APPARATUS FOR SEPARATING SOLIDS IN SUSPENSION MEDIUM

Klaas F. Tromp, Kerkrade, Limburg, Netherlands; vested in the Alien Property Custodian

Application May 14, 1940, Serial No. 335,078. In Great Britain June 30, 1939

4 Claims. (Cl. 209—173)



1. Apparatus for separating solid materials of different specific gravities by means of a liquid suspension, comprising a tank having side walls and end walls, an outlet trough leading from the tank at one of said side walls, thereby maintaining the liquid level substantially constant in the tank, the upper portion of the tank end walls converging inwardly toward the other side wall to thereby diminish the cross sectional area of the tank, a transverse partition connecting the proximate faces of said converging end walls at a point disposed in spaced relation to said other side wall, and separating the tank into two compartments, said partition having an opening therein below the liquid level, an inlet conduit in the other side wall of said tank substantially at the level of said opening, said conduit extending substantially from one end wall to the other, means for introducing unseparated materials into said liquid through said inlet whereby said liquid and the materials suspended at the level of the opening will flow horizontally through said opening into the adjacent compartment and into said outlet trough, conveyor means disposed above said opening for removing the suspended materials from said liquid between the liquid level and the top edge of the opening, and a second conveyor means disposed below said opening for removing the solids in the lower portion of the tank from said liquid, whereby the horizontal flow of the liquid and suspended material disposed at the level of said opening will be unimpeded and the velocity flow from one of said compartments to the other at the level of said opening will increase as the cross sectional area of the tank decreases.

2,365,735

SCALE

Charles M. Ware, Salt Lake City, Utah

Application November 7, 1942, Serial No. 464,917

2 Claims. (Cl. 33—107)



1. A scale of the class described comprising a scale formed of identical flat elongated transparent strips of plastic material having their inner edges beveled and fit together to form a triangular scale; and opaque parting strips in each joint to prevent interference in reading indicia through the scale when it has been printed on the outer surface of each strip.

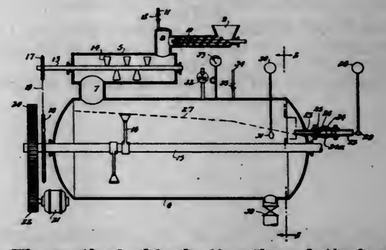
2,365,736

METHOD OF HYDRATING DOLOMITIC OR OTHER RELATIVELY SLOW-SLAKING LIMES

Irving Warner, Wilmington, Del., assignor to Warner Company, Philadelphia, Pa., a corporation of Delaware

Application October 24, 1941, Serial No. 416,310

20 Claims. (Cl. 23—188)



4. The method of hydrating the relatively slow slaking limes which comprises feeding quicklime and water into a pressure vessel, holding autogenously generated steam in the vessel so that the pressure rises above atmospheric, the quantity of water being sufficient to effect hydration and to provide for all the steam which can be autogenously generated by the heat of the slaking reaction, and discharging the hydrated product through a suitable vent by means of and along with autogenously generated steam at a rate which maintains the vessel under pressure and while material is still reacting at the point of discharge.

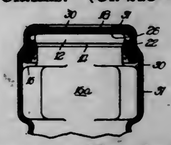
2,365,737

PACKAGE AND CLOSURE

William P. White, Glencoe, Ill., assignor to White Cap Company, Chicago, Ill., a corporation of Delaware

Application July 24, 1941, Serial No. 403,843

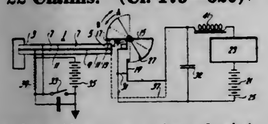
3 Claims. (Cl. 215—40)



1. A package for packing liquids and the like, comprising in combination, a receptacle having an annular mouth rim at its upper end and a cylindrical peripheral compression surface therebelow and an annular peripheral jutting surface extending downwardly and inwardly from said compression surface at an obtuse angle; and a cap-like closure comprising a shell formed with a top portion for covering the receptacle mouth and an annular skirt depending from said top portion and having a flaring lower part and constricted upper part, the depth of said constricted part from said top portion being slightly greater than the spacing of the upper terminus of said jutting surface from the mouth rim, and a sleeve gasket of yieldable elastic sealing material disposed within the skirt and fastened thereto at its lower

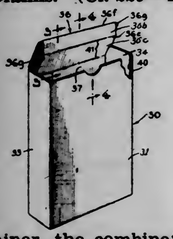
end with the periphery of the gasket resting against the inner surface of said flaring part and the upper end of the gasket spaced below the top portion but extending within and constrained in circumferentially constricted condition by the constricted part with portions of the gasket compressed radially between the latter and portions of the compression and jutting surfaces of the receptacle entirely around said surfaces; whereby the closure is retained in sealing position on the receptacle whence it may be disengaged by swinging one side of it upwardly by finger pressure to slide portions of the gasket upwardly along the jutting and compression surfaces at one side of the receptacle.

2,365,738
RELAY
Alfred L. W. Williams, Cleveland Heights, Ohio, assignor to The Brush Development Company, Cleveland, Ohio, a corporation of Ohio
Application April 9, 1942, Serial No. 438,288
22 Claims. (Cl. 175—320)



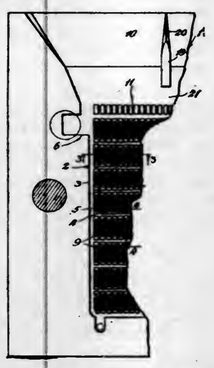
1. In combination, a piezoelectric element mounted for vibratory movement upon the application of suitable potential thereto, and an independent oscillatable device disposed in such energy-transfer relation therewith as to receive only unidirectional mechanical impulses therefrom, the said device having high inertia.

2,365,739
CONTAINER WITH COLLAPSIBLE CLOSURE
Marshall L. Williamson, New York, N. Y., assignor to National Folding Box Company, New Haven, Conn., a corporation of New Jersey
Application September 16, 1942, Serial No. 458,488
11 Claims. (Cl. 229—44)



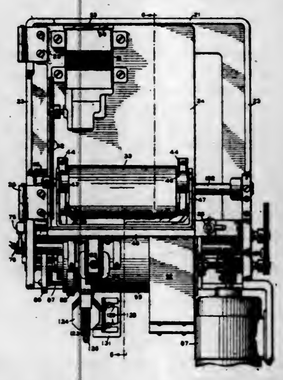
1. In a container, the combination of a body portion having a dispensing opening; closure means hingedly captive to the said body portion adjacent said dispensing opening, said closure means comprising a plurality of panels hingedly connected mutually in series; means hingedly securing one terminal panel of said series to said body portion adjacent the said dispensing opening; and means hingedly securing the opposite terminal panel within the said body portion adjacent the location of securement of said one terminal panel, said closure panels when in closed position forming a plug-like closure means dimensioned and configurated to make a tight fit with the defining walls of said dispensing opening, and collapsible to substantially flat condition when swung out from said dispensing opening, the bottom panel being dimensioned to extend beyond the dispensing opening when the closure means is in collapsed status.

2,365,740
MOLD
Herbert C. Winkel, Maywood, Ill.
Original application August 28, 1940, Serial No. 354,495. Divided and this application March 2, 1942, Serial No. 432,993
8 Claims. (Cl. 22—153)



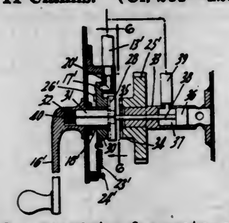
1. In a grid mold of the character described, a die plate having a facet with a casting groove bounding said facet, said facet having a compression cavity therein, said compression cavity communicating only with the face of said facet.

2,365,741
SYSTEM AND APPARATUS FOR FACSIMILE TELEGRAPHY
Raleigh J. Wise, Dunellen, Garvice H. Ridings, Summit, and Robert D. Parrott, West New York, N. J., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application April 18, 1941, Serial No. 389,164
15 Claims. (Cl. 178—6.6)



1. In a facsimile machine having a recording cylinder, means for delivering a succession of recording blanks to said cylinder including an elongated belt supporting a series of blanks rolled together to form a supply reel, means for unreeling said belt step by step so as to free successive blanks for delivery to said cylinder, and means for delivering said blanks when released to said cylinder.

2,365,742
WINDOW OPERATOR
Harrison M. Brooks, Buffalo, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application October 15, 1941, Serial No. 415,102
11 Claims. (Cl. 268—125)



1. A window regulator for motor vehicles, comprising a window connected actuating means, power means connected thereto for operating the same, a control for the power means, manual means operable mechanically by the control for operating said window actuating means by manual effort, and power responsive means operable to disconnect the manual means mechanically from the control as long the the power is effective.

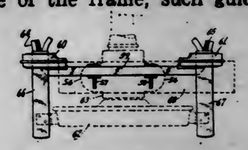
2,365,743
MACHINE FOR MOLDING SOLDER BARS
Charles E. Burke, Ludlow, Ky.
Application March 10, 1943, Serial No. 478,681
9 Claims. (Cl. 22—61)



1. A solder bar molding device comprising a mold having a plurality of elongated mold cavities therein having open ends, gates for closing the ends of said cavities, means for displacing said gates and for tilting the mold after the gates have been displaced in a continuous mechanical operation.

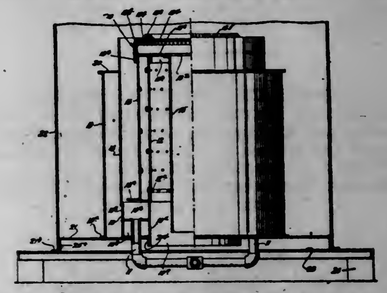
2,365,744
BRAKE RIGGING AND/OR RAILWAY CAR TRUCK
Charles R. Busch, Orange, N. J., assignor to Buffalo Brake Beam Company, New York, N. Y., a corporation of New York
Application May 15, 1941, Serial No. 393,584
2 Claims. (Cl. 188—212)

1. A car truck, including a relatively movable side frame, journal box and wheel-and-axle assembly, the axle and box being inward of the wheel, and the side frame inward of the wheel and above the box, in combination with means on and rigid with the box and extending away from a lateral side of the box, the side frame supported by the rigid means, and a brake beam guide rigidly supported beyond such side by the extension of the rigid means, and located adjacent the inward side of the frame, such guide inclined



outwardly and downwardly with respect to the axle, and extending in a plane substantially intersecting the axle.

2,365,745
OIL BURNING DEVICE
Boyd F. Castle and William W. Wodell, Quincy, Ill., assignors to The Quincy Stove Manufacturing Company, Quincy, Ill., a corporation of Illinois
Application March 16, 1942, Serial No. 434,864
1 Claim. (Cl. 158—91)

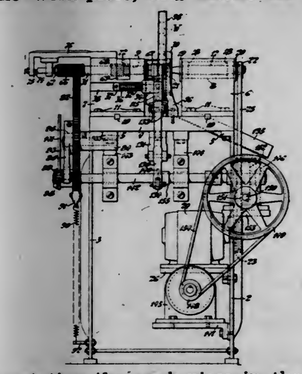


In a device of the class described, an annular base member, said member being provided with an oil receiving trough, means to supply oil thereto, a perforated sleeve extending upwardly from said trough, a perforated shell surrounding and spaced from said sleeve, the perforations in said shell and sleeve being in alignment, means forming a combustion chamber for oil-air gases flowing from said shell, said base member being centrally apertured for flow of air for combustion to the perforations in said sleeve and shell, a cap member mounted upon said sleeve and provided with a base flange extending across and between said shell and sleeve at the top thereof, said cap being apertured for flow of air from said central aperture into gases flowing upwardly through said combustion chamber and a partition member extending downwardly from said cap and forming a conduit between the aperture in said base member and the aperture in said cap.

2,365,746
MACHINE FOR FORMING SCREW THREADS IN CAPS OR CLOSURES
Daniel R. Connell, Lowell, Mass., assignor to U. S. Bobbin & Shuttle Company, Providence, R. I., a corporation of Rhode Island
Application March 26, 1943, Serial No. 480,643
9 Claims. (Cl. 10—154)

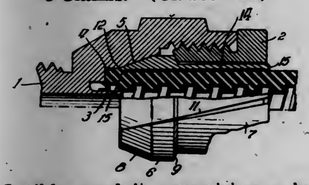
1. In a machine of the type indicated, means for supporting a cylindrical work-piece, means for rotating the work-piece in a certain direction, a rotary tool for cutting a groove in the work-piece, means for rotating the tool, means for relatively moving the cutting tool and work-supporting means to cut a screw-thread in the work-piece, means operative thereafter for relatively moving

the tool and work-support to disengage the tool from the work-piece, and means for simulta-



neously rotating the work-piece in the opposite direction from that first mentioned to free the tool from the threads in the work-piece.

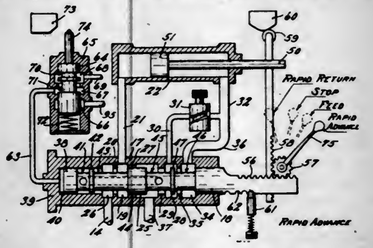
2,365,747
DETACHABLE HOSE COUPLING
Irving Cowles, Detroit, Mich., assignor to Irving Cowles and Rudolph W. Lotz, Chicago, Ill., successor cotrustees to Union Bank of Chicago, Illinois, a corporation of Illinois
Application November 19, 1941, Serial No. 419,674
5 Claims. (Cl. 285—86)



3. A flexible conduit comprising a length of hose, a resilient radially contractible split-sleeve mounted upon the hose, a sleeve nut mounted upon said split sleeve between its ends, a body member having threaded engagement with said nut and equipped with an axial stem projecting into the hose throughout substantially the entire length of said sleeve, said body member equipped with a bore portion around the inner end of the stem which is equipped with a flared mouth, said sleeve equipped with a contracted radially enlarged head portion having a tapered extremity engaged in said flared mouth portion, and said head portion and nut equipped with interengaged annular shoulders whereby said head portion is maintained contracted to smaller diameter than the hose while the outer extremity of said hose remains uncontracted, said contracted sleeve having a tapered bore adapted to become self-restoring to substantially cylindrical bore and rendered removable from the hose for re-use when the sleeve-nut is disengaged from the body member.

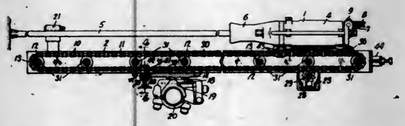
2,365,748
HYDRAULIC CIRCUIT
Frank W. Curtis, Springfield, Mass., assignor to Van Norman Company, a corporation of Massachusetts
Application February 27, 1941, Serial No. 380,897
10 Claims. (Cl. 60—52)

5. A hydraulic circuit for causing reciprocatory motion of a machine element comprising a cylinder and a piston one of which is stationary and the other of which is connected to said element, a source of liquid under pressure, a sump, a throttle, a valve casing having in the order named a first port connected to the source, a second port connected to one end of the cylinder, a third port connected to the sump, a fourth port connected to the second end of the cylinder through the throttle, and a fifth port connected to the second end of the cylinder exclusive of the



throttle, and a spool valve within the casing having a groove connecting the second port alternatively with the first and third ports or with both together, a second groove connecting the third port with the fourth and fifth ports, said second groove having an intermediate circumferential rib separating the fourth and fifth ports in one position of the spool, and a third groove connected by an internal bore with the second groove and alignable with the first port.

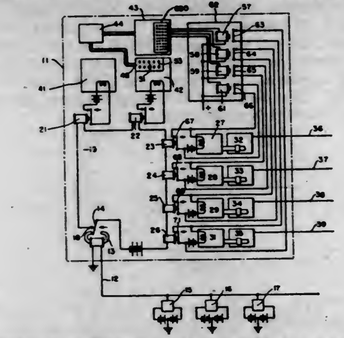
2,365,749
ROCK DRILL
John C. Curtis, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application May 7, 1941, Serial No. 392,321
18 Claims. (Cl. 255—45)



1. In a rock drill, the combination comprising a support, an elongated guide frame mounted on said support for adjustment longitudinally relative thereto, a drilling motor guided on said guide frame for movement longitudinally therealong, and means for feeding said drilling motor along said guide frame and for adjusting said guide frame relative to said support, said feeding and adjusting means including a second motor distinct from said drilling motor and a feeding and adjusting element common to drilling motor feed and guide frame adjustment and operated by said second motor, said feeding and adjusting element being mounted on said guide frame for longitudinal adjustment therewith.

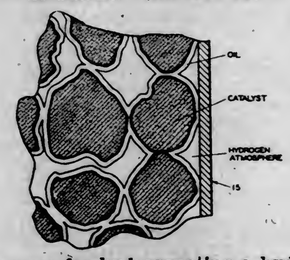
2,365,750
TELEGRAPH SWITCHING SYSTEM
Arthur J. Doré, Chicago, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application March 3, 1943, Serial No. 477,799
7 Claims. (Cl. 178—3)

2. In a page printer transmission system, apparatus for sending an end-of-line signal for restoring page printers to beginning of line position, line switching control apparatus also responsive to said end-of-line signal, and elec-



tromagnetic means conditioned by a special control signal preceding said end-of-line signal for nullifying its line switching control.

2,365,751
PROCESS FOR HYDROGENATING HYDROCARBON OILS
Harry E. Drennan, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application June 7, 1941, Serial No. 397,099
10 Claims. (Cl. 196—78)



1. A process for hydrogenating a hydrocarbon oil containing unsaturated hydrocarbon constituents which comprises passing said oil through a bed of granular hydrogenation catalyst contained in a chamber in such manner and at such a flow rate that said oil forms thin flowing films around the catalyst granules without filling the voids in the catalyst bed to any substantial extent, maintaining a static atmosphere of hydrogen in said chamber and in said voids of said catalyst bed at a substantially constant superatmospheric pressure, maintaining the oil and hydrogen at a hydrogenating temperature, and removing a liquid stream of oil from said chamber.

2,365,752
FUEL INJECTOR
Herbert C. Edwards, Massillon, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio
Application April 11, 1942, Serial No. 438,531
5 Claims. (Cl. 299—107.6)

1. A fuel injector comprising a body adapted to be supplied with fuel under pressure and having a discharge opening for said fuel and a valve for said opening adapted to be opened by the injection pressure of said fuel, said valve having a stem extending into said body, and loading means for said valve, said loading means comprising a separate rubber bushing interposed between and vulcanized to said body and valve stem and constituting a seal to prevent leakage of fuel therebetween, said bushing being axially

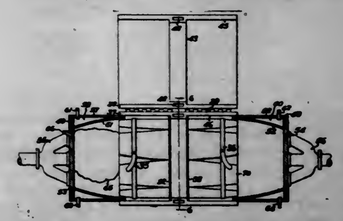


pretensioned to hold said valve in closed position under pressure less than injection pressure and being capable of further axial tensioning to permit said valve to open at injection pressure.

2,365,753
METHOD OF PRODUCING MOLDING COMPOUND
C. Roy Gleason and Robert Morse Small, Chicago, Ill., assignors to Sealkote Corporation, Chicago, Ill., a corporation of Delaware
No Drawing. Application November 15, 1941, Serial No. 419,340
5 Claims. (Cl. 260—38)

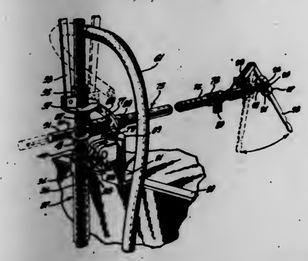
1. The method of producing a molding compound comprising beating a fibrous filler in water to open up the fibers thereof, removing the excess water therefrom, heating and kneading the moist filler at temperatures from 100° F. to 200° F., adding thereto hot material selected from the group of thermosetting synthetic resins which undergo a water phase in their formation, said addition being made while said material is in said water phase, kneading and mixing the hot ingredients until combined and thereafter drying and pulverizing the product so formed.

2,365,754
PLYWOOD BARREL
Clarence U. Gramelspacher, Jasper, Ind.
Application February 12, 1942, Serial No. 430,665
10 Claims. (Cl. 144—309)



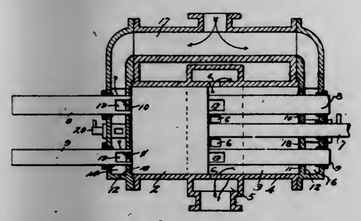
1. A method of manufacturing a barrel which consists of precutting sheets of wood to form a plurality of joined staves, of disposing adhesive material between adjacent sheets, of arranging a plurality of sheets within a form having the interior surface in the configuration of a barrel, and of expanding the sheets outwardly against the interior surface of the form until the adhesive has set.

2,365,755
MAST SPRAY RIG
Clifford J. Griffith, Dimondale, Mich., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application January 2, 1943, Serial No. 471,185
2 Claims. (Cl. 299—73)



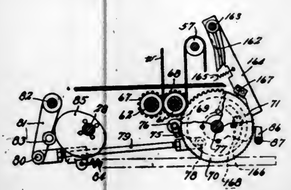
1. In combination: a base; a mast rotatable thereon in upright position; a nozzle mounted on said mast for angular adjustment relative thereto; a cam follower vertically slideable on said mast; means connecting said cam follower to said nozzle to accomplish the aforesaid adjustment of said nozzle by moving said cam follower up or down on said mast; a gear fixed on said mast; two concentric horizontally extending shafts mounted on said base; a rack provided on one of said shafts and adapted to be disposed in meshing relation with said gear and a cam fixed on the other of said shafts and adapted to engage with said cam follower, said shafts being operable from a remote control point to translate said rack and thereby rotate said mast or to rotate said cam and thereby effect an angular adjustment of said nozzle relative to said mast.

2,365,756
VALVELESS STEAM DISTRIBUTION
Victor E. Hastings, Los Angeles, Calif.
Application July 20, 1943, Serial No. 495,505
1 Claim. (Cl. 121—101)



A steam engine including a mid-length exhaust cylinder having a head at each end and a steam chest on each head, a piston working in the cylinder and having an axial piston rod, and tail rods rigidly fixed on each end of the piston and reciprocating through the said heads and chests; said tail rods having diametrical, axially unobstructed steam ports close to the respective ends of the pistons and which open into the respective chests as the piston reaches the ends of its strokes each direction; whereby to serve steam to the ends of the cylinder in the shortest path and with a minimum of surface resistance during port register at the steam heads; said ports being immediately at the piston ends and terminating within the width of the respective steam chest.

2,365,757
WEB REGISTERING DEVICE
William Hoppe, Longmeadow, and Franklin B. Roberts, West Springfield, Mass., assignors to National Bread Wrapping Machine Co., Springfield, Mass., a corporation of Massachusetts
Original application March 20, 1941, Serial No. 384,374. Divided and this application January 8, 1942, Serial No. 425,974
9 Claims. (Cl. 164—49)



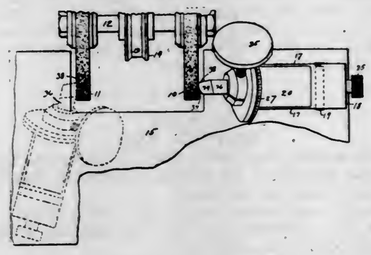
9. A web registering mechanism for webs having spaced registering holes comprising web feed rolls, a unidirectional clutch one member of which is connected to drive said rolls, an oscillating member, a second member of said unidirectional clutch being fixed to said member, a cam carried by said oscillating member, a rocker engageable with said cam, a ratchet coupled to the feed rolls with its teeth in a direction opposing feeding movement of the rolls, driving means for the oscillating member yieldable in the direction of feeding movement, a feeler coupled to said rocker and engageable with the web, a support for the web having a recess in alignment with the feeler, and a pawl carried by the rocker and engageable wtih the ratchet when the feeler passes through a hole in the web, the cam being formed to release the feeler for yielding contact with the web prior to the alignment of a registering hole with the feeler.

2,365,758
NOZZLE FOR PUMP TYPE FIRE EXTINGUISHERS
Anthony G. Horvath, Dayton, Ohio, assignor to The Dayton Pump & Mfg. Company, Dayton, Ohio, a corporation of Ohio
Application May 27, 1942, Serial No. 444,688
3 Claims. (Cl. 299—127)



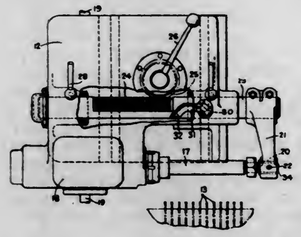
1. A nozzle for a fire extinguishing apparatus comprising an elongated substantially cylindrical plastic body, a passage through said body to permit emission of a stream of liquid, a closed coiled spring enclosing a portion of said body, said spring having a cone-shaped end that extends beyond the discharge end of said nozzle that is normally coaxial with the discharge passage in said body, said spring being adapted to be deflected to intercept a stream of liquid emitted from said nozzle to break the stream into a fine mist.

2,365,759
LATHE AND SHAPER TOOL BIT GRINDING GAUGE
Louis H. Howe, Portland, Oreg.
Application December 23, 1942, Serial No. 469,923
4 Claims. (Cl. 51—221)



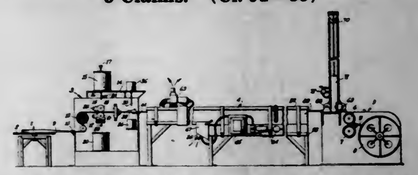
1. A gauge of the class described including a base adapted to slide in any direction on a flat tool rest, an arm hinged on said base, means for adjusting the angular relationship of said arm and base, a split sleeve rotatably mounted in said arm having a square opening between the portions thereof adapted to receive a bit, said sleeve portions extending from said arm and a clamping screw threaded through one of the extending sleeve portions adapted to engage a bit held therein and force the sleeve portions into engagement with said arm for the purpose of clamping the bit with relation thereto.

2,365,760
MACHINE FOR CUTTING A METAL TUBULAR MEMBER INTO RINGS
John William Howlett, London, England, assignor of one-half to Wellworthy Piston Rings Limited, London, England
Application October 7, 1943, Serial No. 505,367
In Great Britain December 22, 1942
4 Claims. (Cl. 29—70)



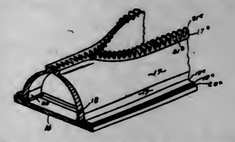
1. A machine for cutting a metal tubular member into rings, including a rotatable spindle, a number of axially-spaced cutters to be carried by said spindle, a second rotatable spindle parallel to the first spindle, said second spindle being supported by a slide which can be operated for feeding purposes, said second spindle supporting the tubular member and being journalled at its free end in a bearing, and an arm carrying said bearing, guiding means for the arm so that it can be moved parallel to the spindles to disengage said bearing from said second spindle and then turned into an out-of-the-way position, for loading and unloading purposes.

2,365,761
APPARATUS FOR COATING STRIP MATERIAL
Joseph L. Hunter, Riverside, Calif., assignor to Acme Steel Company, Chicago, Ill., a corporation of Illinois
Application October 10, 1939, Serial No. 298,781
5 Claims. (Cl. 91—33)



1. In an apparatus for coating both sides of a strip of flexible metallic material, the combination of: means supporting a substantially continuous supply of said strip material; driving means engaged with said strip for moving said strip substantially horizontally and at a substantially constant rate in the direction of its length; means operated in unison with said driving means for recoiling said strip upon reels for storage purposes as it is moved by said driving means; a pair of spreading members engaging opposite sides of said strip; another pair of spreading members disposed to engage opposite edges of said strip; means for supplying coating material to said spreading members; and brushing means engaging both sides of said strip as it leaves said first-named spreading members to remove irregularities in said spread coating material.

2,365,762
CONVEYING APPARATUS
Henry S. Johns and William H. Johns, Cleveland Heights, Ohio
Application April 18, 1942, Serial No. 439,502
33 Claims. (Cl. 198—162)

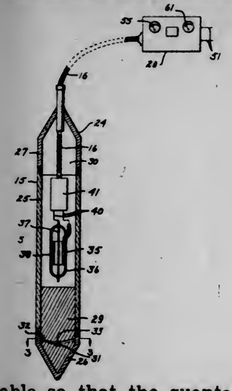


1. In conveying apparatus, a movable tubular conveyor belt made of flexible material and comprising a planar base and sides connected to and spaced apart by said base, the outer edges of the said sides being provided with interlocking means.

2,365,763
WELL LOGGING DEVICE
Bernard J. Kalb and David H. Wise, Houston, Tex.; said Wise assignor to said Kalb
Refiled for abandoned application Serial No. 238,924, November 4, 1938. This application November 10, 1941, Serial No. 418,621
3 Claims. (Cl. 250—83.6)

1. A device of the class described comprising a container, a conductor cable for supporting and moving the container within a bore hole and for conducting electric current between the container and the mouth of the bore hole, a source of radioactive emanations within the casing, a shield surrounding said source, said shield having outwardly directed passages to direct radiant energy into the formations surrounding the bore hole, an ionization chamber within the casing, and quanta measuring means at the mouth

of the bore hole, said last mentioned means and the ionization chamber being connected to said



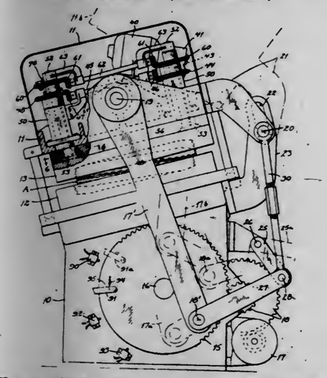
conductor cable so that the quanta of energy entering the ionization chamber will be indicated by said means.

2,365,764

METHOD AND APPARATUS FOR STRIPPING ARTICLES FROM MOLDS

Edward C. Kastner, Fairlawn, Ohio, assignor to The Akron Standard Mold Company, Akron, Ohio, a corporation of Ohio

Application March 6, 1942, Serial No. 433,555
37 Claims. (Cl. 18—17)



15. The method of removing non-skid automobile tires from two cooperative cavitary molds members, one above the other in a vulcanizing press, comprising separating the mold members, and while they are separated a materially less distance than the width of the tire and are maintained substantially parallel to their original positions giving one of the mold members a displacing movement laterally of the other mold member and then a circular translation in one direction, thereby causing the tire to rotate in the opposite direction and free itself from both mold members, and thereafter completely separating the molds, leaving the tire resting by gravity on the lower mold member.

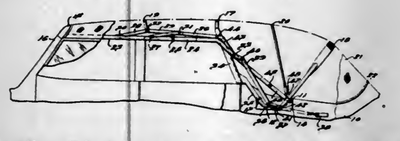
33. In a vulcanizing press, the combination of a frame, a movable head carried thereby, a pair of cavitary molds mounted in the frame and head respectively, mechanism mounted on the frame and head for holding them in cooperation to close the molds and for moving the head away from the frame to separate the molds, a set of sleeves rotatably mounted in the head, a set of shafts eccentrically mounted in the sleeves, heads on the lower ends of the shafts eccentric thereto and rotatably mounted in the upper mold member, a motor on the head geared with the sleeves for rotating them simultaneously, mechanism for causing the shafts to turn within the sleeves, mechanism operating in timed relation with the opening and closing mechanism of the press for starting the motor, for reversing it, and for stopping the motor.

2,365,765

VEHICLE TOP

August Keller, Dearborn, Mich., assignor to Motor State Products Company, Ypsilanti, Mich., a corporation of Michigan

Original application May 19, 1938, Serial No. 208,876. Divided and this application July 12, 1941, Serial No. 402,208
1 Claim. (Cl. 296—116)



A collapsible top having long unobstructed side spans intended primarily for a vehicle of the sedan type having a rear compartment to receive the top when in folded position, said top having a plurality of longitudinally spaced supporting means comprising a header bar, a pillar including a main bow and an arm pivotally mounted on one of said supporting means intermediate its length, a balancing spring interposed between the free end of said arm and a spaced point on said vehicle, an outrigger lever pivotally mounted intermediate its length on the pillar, a balancing bell-crank lever, one arm of which is pivotally connected to the rear end of the outrigger lever and pivotally mounted at its fulcrum to a bracket secured to the vehicle body, a rear bow pivotally mounted on the free end of the other arm of said bell-crank balancing lever, whereby the rear bow is first moved forwardly of the vehicle and then downwardly during folding of the top to nest in said rear compartment and is first moved upwardly and then rearwardly of the vehicle during the raising of the top, a prop lever pivotally mounted intermediate its length on the pillar, a supporting link pivotally mounted at one end to the rear end of the prop lever and pivotally mounted at its other end to one of said spaced supporting means, bow connecting means between the forward end of the outrigger lever and the header bar, and link connecting means between the forward end of the prop lever and said bow connecting means.

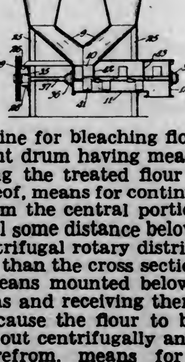
2,365,766

OIL FILTER

John M. Levier, Anaheim, Calif., assignor to Oscar H. Levier, Arlington, Calif.

Continuation of application Serial No. 127,307, February 23, 1937. This application April 10, 1939, Serial No. 267,130
11 Claims. (Cl. 210—183)

1. A re-useable filtering element for use in a filter for arresting solid matter particles carried by oil or other liquids comprising a continuous strip of non metallic extensible fabric graduated in mesh in a longitudinal direction and spirally wound into tube form to have the portions of finer mesh constitute its inner convolutions and the portions of coarser mesh form the outer convolutions so that liquid forced inwardly through the wound strip is subjected to progressive stage



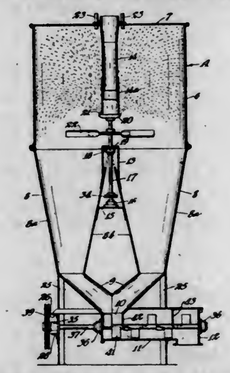
filtration and so that the arrested solid matter particles are stored in the strip, the wound strip being expansible when subjected to the action of fluid pressure admitted to its interior so that said stored particles are freed for dislodgement by said admitted internal fluid pressure.

2,365,767

APPARATUS FOR BLEACHING FLOUR

Hugh McDonald, Minneapolis, Minn., assignor to Pillsbury Flour Mills Company, Minneapolis, Minn., a corporation of Delaware

Original application May 3, 1941, Serial No. 391,735. Divided and this application September 21, 1942, Serial No. 459,109
4 Claims. (Cl. 99—263)



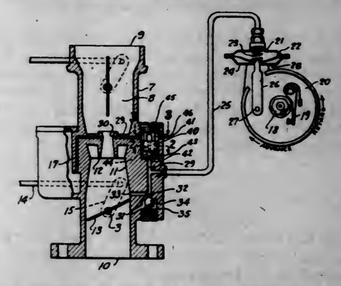
1. A machine for bleaching flour comprising a closed upright drum having means for collecting and removing the treated flour from the lower portion thereof, means for continuously discharging flour from the central portion of said drum and at a level some distance below the top of said drum, a centrifugal rotary distributor of slightly greater area than the cross sectional area of said discharge means mounted below said flour discharge means and receiving therefrom and constructed to cause the flour to be finely divided and thrown out centrifugally and somewhat upwardly therefrom, means for discharging a bleaching gas within said drum and a fan disposed some distance below both of said distributor and said gas discharge and of several times the diameter of said distributor for directing a blast upwardly into the distributed flour and into and against the bleaching gas introduced.

2,365,768

IGNITION SYSTEM FOR INTERNAL-COMBUSTION ENGINES

Marion Mallory, Detroit, Mich.

Application October 30, 1943, Serial No. 508,300
7 Claims. (Cl. 123—117)



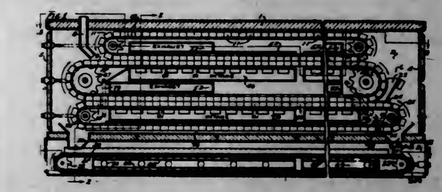
1. An ignition system for an internal combustion engine comprising an ignition timer, an intake passageway, a throttle valve in said intake passageway, a suction controlled device connected to said timer for advancing and retarding the spark, an orifice in the intake passageway positioned at all times on the atmosphere side of the throttle valve, a passageway connecting said orifice with the suction controlled device, a second orifice communicating with the engine side of the intake passageway when the throttle valve is in partly opened position, a second passageway connecting said second mentioned orifice with said suction device, and variable air bleed means positioned in the first mentioned passageway responding to vacuum conditions in the intake passageway for varying the communication between the first mentioned orifice and the suction device.

2,365,769

OVEN

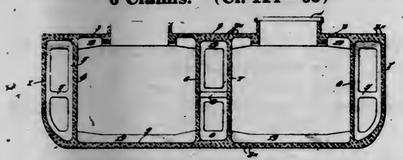
Donald E. Marshall, Battle Creek, Mich., assignor to Kellogg Company, Battle Creek, Mich., a corporation of Delaware

Application December 27, 1938, Serial No. 247,936
7 Claims. (Cl. 107—57)



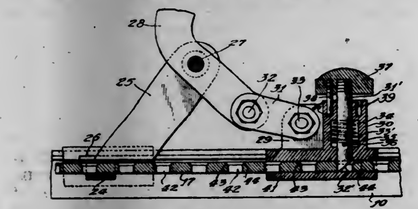
1. In a machine for treating corn flakes, means for conveying the flakes progressively through the machine in batches, means for circulating air to and from the machine and through each batch of flakes independently of other batches to both treat and agitate the flakes without mechanical handling, and means for directing said air at intervals through said flakes in jets and through restricted portions of each batch of the flakes to cause a rotary movement of the flakes in each batch.

2,365,770
CONCRETE SHIP
Ross Nebolsine, Seacliff, N. Y.
Application April 21, 1943, Serial No. 483,845
6 Claims. (Cl. 114—65)



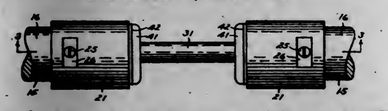
1. In a concrete ship, and in combination with a hull having sides consisting of hollow girders, a bottom and a deck, of a back bone construction consisting of a hollow girder construction extending substantially from end to end of the hull, longitudinally and centrally thereof and tied to the bottom and deck.

2,365,771
WHEEL PULLER
Henning E. Olson, Brookfield, Ill., assignor to Bear Manufacturing Company, Rock Island, Ill., a corporation of Delaware
Application May 14, 1942, Serial No. 442,917
7 Claims. (Cl. 214—1)



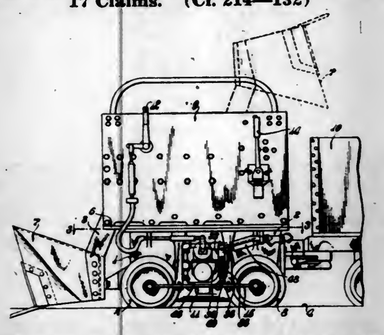
1. A device of the class described comprising a carriage adapted to be moved on a guideway bed therefor, lever means pivotally engaged to said carriage and to spaced ratchet means operatively associated with said bed for causing said carriage to be shifted longitudinally on the bed, said ratchet means being reversible and engageable with a two-directional rack means on the bed.

2,365,772
UNIVERSAL COUPLING
Joseph M. O'Malley, Worcester, Mass., assignor to Morgan Construction Company, Worcester, Mass., a corporation of Massachusetts
Application February 10, 1943, Serial No. 475,329
3 Claims. (Cl. 64—8)



1. A universal coupling comprising a coupling member having a socket in its outer end shaped to provide a central cavity and a pair of diametrically opposed longitudinally extending channels, the coupling member also having a central cylindrical bore extending longitudinally from its inner end to the socket, the bore being interrupted by two diametrically opposed grooves which extend longitudinally in alignment with the said channels, a spindle having an enlarged head thereon in the form of a sphere having a diameter substantially equal to that of the bore, the head being located within the bore, a pin extending diametrically through the head at right angles with the spindle axis, and two slippers mounted on the opposite ends of the pin and located within the respective grooves, the said cavity being of sufficient size to receive the head, and the said channels being of sufficient width to receive the slippers as the coupling member is moved inwardly over the spindle.

2,365,773
MATERIAL HANDLING APPARATUS
Robert C. Osgood, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application February 18, 1942, Serial No. 431,409
17 Claims. (Cl. 214—132)



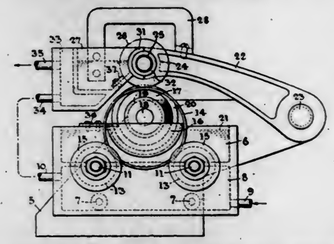
1. In a swinging mechanism, a support, a frame swiveled on said support to swing horizontally relative thereto, and self-centering means for automatically swinging said frame from either side of said support into longitudinal alinement with said support and for holding the same in centered position with respect to said support, said self-centering and holding means including a pair of fluid cylinders arranged in alinement and extending longitudinally of said support along one side thereof beneath said swiveled frame, and oppositely acting pistons contained in said cylinders and operatively connected to said frame, said pistons being operable to swing said frame, one piston being operable to swing said frame only in one direction and the other piston being operable to swing said frame only in the opposite direction, and said pistons being at the ends of their working strokes when said frame assumes its centered position with respect to said support.

2,365,774
RETAINER RING FOR PACKING
Clarence Pool, Rivera, Calif.
Application June 5, 1942, Serial No. 445,933
3 Claims. (Cl. 288—16)



1. A packing retainer annulus formed of moulded phenolic plastic material having the characteristics of a flat upper surface, a wall having an inner surface inwardly inclined toward the medial vertical axis of the annulus, and an irregular stepped outer surface, said surfaces being essentially divergent and terminating in a rounded contour, and apertures moulded in the annulus, said apertures being adapted to permit passage of fluid from one side thereof to the other.

2,365,775
ADHESIVE-APPLYING APPARATUS
William F. Punte, Passaic, N. J., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application March 8, 1944, Serial No. 525,613
10 Claims. (Cl. 91—49)



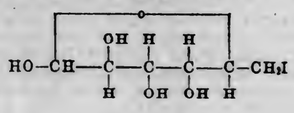
1. In apparatus of the character described, a first adhesive reservoir, a second adhesive reservoir, a first applicator roll supplied with a surface coating of adhesive from said first reservoir, a second applicator roll supplied with a surface coating of adhesive from said second reservoir, a pair of supporting rolls disposed in parallel spaced relation to support thereon and therebetween a container body in position for having adhesive applied to internal and external wall portions at one end thereof by engagement between said rolls with the first roll engaging internally of the container body and the second roll engaging externally of said body, and means for rotating said container body.

2,365,776
IODO-SUGAR DERIVATIVES AND METHOD OF PREPARING SAME
Albert L. Raymond, Northfield, and Elmer F. Schroeder, Chicago, Ill., assignors to G. D. Searle & Co., Skokie, Ill., a corporation of Illinois
No Drawing. Application September 15, 1943, Serial No. 502,542
7 Claims. (Cl. 260—210)

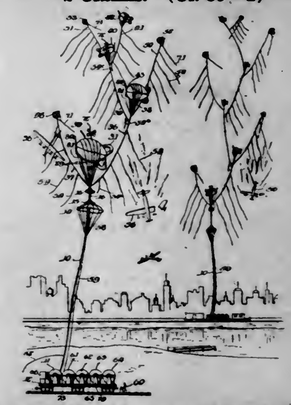
1. A new composition of matter consisting of a sugar in which at least one iodine atom is substituted for at least one primary hydroxyl group, and in which no free hydroxyl group is attached to a carbon atom which is adjacent to a carbon atom to which an iodine atom is attached, and all of whose carbonyl groups are blocked by glycosidic linkages, and in which there is no constituent other than said iodine atom and said glycoside group hereinbefore mentioned.

2,365,777
6-IODO-d-GALACTOSE
Albert L. Raymond, Northfield, and Elmer F. Schroeder, Chicago, Ill., assignors to G. D. Searle & Co., Skokie, Ill., a corporation of Illinois
No Drawing. Application September 15, 1943, Serial No. 502,543
1 Claim. (Cl. 260—210)

A new composition of matter consisting of 6-iodo-d-galactose of the formula:



2,365,778
MOBILE DEVICE FOR REPELLING THE ATTACK OF ENEMY AIRCRAFT
Martin C. Schwab, Chicago, Ill.
Application September 16, 1941, Serial No. 410,986
2 Claims. (Cl. 89—1)



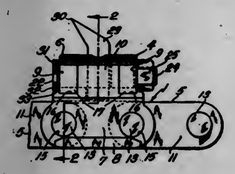
1. In a mobile device for repelling the attack of aircraft, including a ground vehicle, a plurality of winches carried thereby, a mooring cable reelably secured to one of said winches, an eye bolt on said cable remote from said ground vehicle, and captive balloons supporting said eye bolt and said cable in the air, escape apparatus consisting of a block and tackle attached to said eye bolt, a captive parachute attached to one end of said tackle, the other end of said tackle being attached to another of said winches, whereby said parachute can be returned to said ground vehicle along the path of said cable by unreeling said tackle, and an observation platform on top of said parachute to enable an operator to make observations while said parachute is descending.

2,365,779
GAS MASK
Martin C. Schwab, Chicago, Ill.
Application December 1, 1941, Serial No. 421,154
6 Claims. (Cl. 128—141)



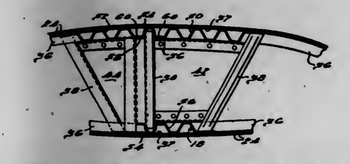
1. A gas mask comprising a facepiece removably secured before the face of the wearer, lens members in said facepiece, guideways pivotally mounted adjacent said lens members and provided with apertures adapted to be brought into register with said lens members, rolls of flexible transparent material carried in said guideways and adapted to be drawn therethrough and removed at intervals when the transparency of the portions within said apertures becomes impaired, and means for replacing said rolls without removing said mask.

2,365,780
CUTTER CHAIN
Leon E. Simmons, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application November 1, 1940, Serial No. 363,907
7 Claims. (Cl. 262—33)



1. In a cutter chain, a chain block comprising cooperating separable parts, said parts having cooperating lugs provided with alined bores, and means for securing said block parts together including a bolt passing through the bores in said lugs, said bolt having an opening adapted to receive a cutter bit.

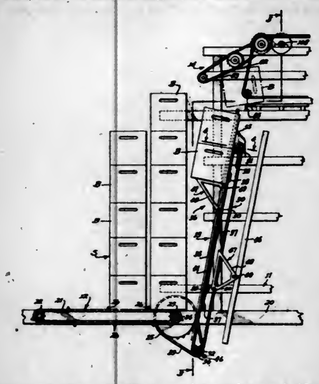
2,365,781
SPAR STRUCTURE FOR AIRPLANE WINGS
Frank M. Smith, Dearborn, Mich., assignor, by mesne assignments, to Consolidated Aircraft Corporation, San Diego, Calif.
Application May 9, 1941, Serial No. 392,679
7 Claims. (Cl. 189—37)



1. A spar structure for airplane wings comprising, in combination, a horizontally elongated vertically extending web formed from thin sheet metal and provided with corrugations extending transversely of its length, top and bottom flanges arranged with the general planes of their thicknesses transverse to the plane of thickness of said web extending longitudinally of said web and formed from relatively thin sheet metal and provided with corrugations extending in the direction of the length of said web, the upper and lower edges of said web being received within a corrugation of said top and bottom of said flanges, respectively, and being secured thereto.

2,365,782
BOX STACK CONVEYER AND ELEVATOR
James W. Stevenson, deceased, late of Riverside, Calif., by Gladys Stevenson, administratrix, Riverside, Calif., assignor to Food Machinery Corporation (Riverside Division), a corporation
Application April 3, 1939, Serial No. 265,655, which is a division of application Serial No. 119,989, January 11, 1937. Divided and this application March 13, 1941, Serial No. 383,178
13 Claims. (Cl. 198—158)

1. An apparatus for handling loaded boxes comprising: a continuously moving elevator mechanism having lifting cradles spaced thereon so that successive stacks of boxes may be received by an upwardly moving cradle from a source of supply as the preceding cradle reaches the uppermost point in its travel, the elevator mechanism comprising endless chains and the lifting cradles each comprising a pair of right angle brackets pivoted to the chains at the lower ends of the brackets whereby the center of gravity of the brackets and weight carried thereon is in



advance of the chains, guide pins at the apex of the right angle brackets, guides against which the pins bear during the upward movement of the brackets, and second guides restraining the brackets on their downward movement from complete rotation.

2,365,783
SULPHONATION OF BRANCHED CHAIN OLEFINS
Chester Merle Suter, Evanston, Ill., assignor to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio
No Drawing. Application July 23, 1940, Serial No. 346,992
8 Claims. (Cl. 260—513)

7. Unsaturated aliphatic tertiary olefin monosulphonates, having the sulphonate group attached to a carbon atom in an allyl position.

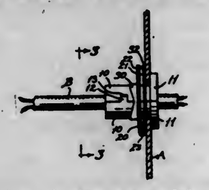
2,365,784
PORTABLE ELECTRICAL WELDING TOOL
Stanley F. Sworski, Minneapolis, Minn.
Application October 12, 1942. Serial No. 461,694
1 Claim. (Cl. 219—8)



In a welding device of the kind described, a casing having a tubular handle portion of insulating material, a conducting rod extended through and projecting from said casing and insulated therefrom, said rod, at its inner end, having a flattened head with an axially located wedge and diametrically projecting lugs, a tubular clamping head within said casing formed with externally threaded circumferentially spaced segmental sleeve portions that are telescoped around the flattened head portion of said conducting rod, a conducting wire having pronged inner end portions spread by said wedge and clamped between said clamping head portions, said wedge, on the head of said conducting rod, serving to spread the inner ends of said conducting wire against the diametrically extended prongs on the head of said conducting rod, a clamping nut working with threaded engagement on the segmental

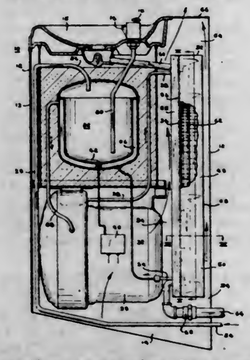
sleeve portions of said clamping head, and a spring element compressed between said clamping nut and the projecting lugs of the head of said conducting rod, said spring serving to yieldingly apply pressure to the ends of said conducting wire, and said nut serving to adjust the pressure thus produced by said spring, and a welding rod welded directly to the projected other end of the conducting rod.

2,365,785
FASTENING DEVICE
George A. Tinnerman, Cleveland, Ohio, assignor to Tinnerman Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application April 16, 1942, Serial No. 439,150
10 Claims. (Cl. 174—153)



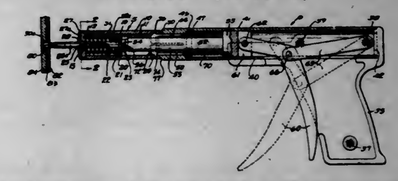
1. A fastening device comprising a two-part bushing, each part comprising a semi-cylindrical member with a flange, and a retaining clip comprising a strip of metal doubled on itself to provide two legs, each with an opening to extend about the bushing, the opening in one leg being substantially round and slightly larger in diameter than the exterior of the bushing, and the opening in the other leg being bounded on opposite sides by V-shaped edges of tongues bent from the plane of that leg to provide oblique struts adapted to engage the bushing, said two openings being connected by a slot across the bend of the clip, said slot having a width as great as the internal diameter of the bushing.

2,365,786
REFRIGERATION APPARATUS
Robert H. Tull, Wilbraham, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 9, 1943, Serial No. 501,600
10 Claims. (Cl. 62—141)



1. Refrigerating apparatus for a water cooler of the bubbler type which includes a drinking water reservoir, a valve-controlled dispensing spout leading from said reservoir, and a waste cold water outlet, said apparatus comprising an evaporator, a motor-compressor, a condenser coil, a sealed heat exchange tank containing a heat exchange fluid in which said condenser coil is immersed, and a cooling coil also immersed in said heat exchange fluid and connected at one end thereof to said outlet and the other end thereof being adapted for connection to a disposal pipe.

2,365,787
CLAMP
Frank C. Wallace, Los Angeles, Calif., assignor, by mesne assignments, to Herman H. Helbush, Beverly Hills, Calif.
Application April 7, 1941, Serial No. 387,198
11 Claims. (Cl. 85—5)

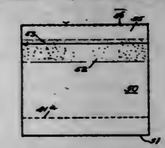


1. A clamp of the class described comprising a body having a bore therein, a wall closing one end of the bore, a slot extending diametrically across the outer face of said wall, a central opening through the wall between the ends of the slot, a cross bar mounted in the slot, a cap secured to the body and disposed over the exterior face of said wall, an opening through the cap in register with the opening through the wall, and a pin slidably mounted in the bore, said pin having a bifurcated outer end portion providing parallel legs extending through said openings and astride said bar.

2,365,788
PRODUCTION OF SIRUP FROM FARINACEOUS MATERIALS
Christopher Henry Warburton, Carlisle, England
No Drawing. Application March 27, 1942, Serial No. 436,534. In Great Britain April 5, 1941
9 Claims. (Cl. 99—142)

9. The process of producing a sirupy concentrate of liquefied starch which consists in gradually adding at least two parts by weight of farinaceous material to one part of water and progressively gelatinising and liquefying the starch by heat and the action of amylase.

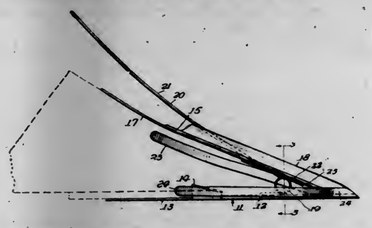
2,365,789
POSTAL CARD
Gosbert Weinschenk, Chicago, Ill.
Application May 22, 1942, Serial No. 444,077
2 Claims. (Cl. 229—92.8)



1. In a postal card for typewriter use, a body portion having a line of perforations spaced inwardly from one edge, said body portion having a gummed area along its opposite edge upon one face and a narrow gummed area upon the opposite face, and a second sheet adhered to the narrow gummed area of said body, said second sheet being formed with a line of perforations

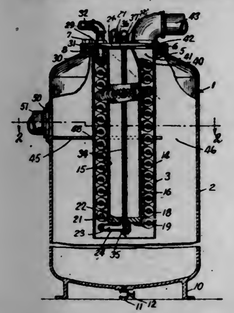
spaced from its gummed end, said second sheet being adapted to be torn away along said line of perforations and the adhered portion folded about the edge of said body portion and adhered to the large gummed area thereof.

2,365,790
CROP DIVIDER
George Wilson, Carlton, Oreg.
Application February 5, 1943, Serial No. 474,768
10 Claims. (Cl. 56—315)



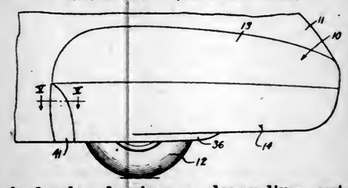
1. A divider attachment for a harvesting machine comprising a supporting member adapted to be mounted upon a portion of the machine adjacent the outer extremity of the cutting means thereof, a second supporting member disposed in angular relation with the first supporting member and having one of its ends connected with said first member adjacent one end thereof, the other end portion of said second member being adapted to be mounted upon a portion of said machine in spaced relation with said first portion, a cutting member mounted on one of said members, resilient means connected with said first member and disposed in angular spaced relation with said second member and in cooperative relation with said cutting member, said resilient means being adapted to vibrate as the machine is operated and thereby enhance the cutting action of said cutting member, and guard means connected with one of the supporting members.

2,365,791
COMBINED AFTERCOOLER AND RECEIVER
Wade H. Wineman, Michigan City, Ind., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application October 16, 1941, Serial No. 415,334
1 Claim. (Cl. 257—229)



In a device of the character described, in combination, a cylindrical shaped fluid-receiving tank having an opening at its upper end, a fluid cooling device extending through said opening axially into said tank, said cooling device including concentric cylindrical casings providing an annular space therebetween, a coiled conduit arranged within said annular space for conducting a cooling liquid, means for delivering cooling liquid to the space within the inner one of said concentric casings, fluid conducting means for connecting the space within said inner casing to the lower end of said coiled conduit, means for discharging a moisture containing fluid under pressure through said annular space over said coiled conduit and into the lower portion of said tank, a baffle plate extending between the walls of said tank and the outer one of said concentric casings for directing fluid from the bottom to the upper portion of said tank along one side of the latter, means for discharging fluid from the opposite side of said tank and at the upper side of said baffle plate, manually controlled means for at will draining cooling liquid from said coiled conduit and said inner casing into the lower end of said tank, and means for draining said cooling liquid and liquid separated from said pressure fluid from the bottom of said tank.

2,365,792
FENDER, FENDER CONSTRUCTION, AND ASSEMBLY
Frederick W. Wohlfield, Detroit, Mich., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application June 6, 1941, Serial No. 396,811
2 Claims. (Cl. 280—153)

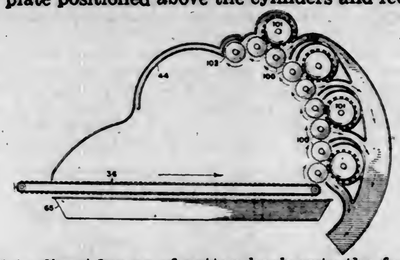


1. A fender having a depending outer wall forming a side, front and rear end portions and comprising a fixed upper part and a readily removable lower part, the junction line between said parts lying in substantially a horizontal plane and extending entirely around the outer depending wall of said fender, a portion of the lower part remote from said front end and forming said junction line being bowed slightly apart from said upper part when in an unstressed condition, means at the front of said lower part detachably engaging said fixed upper part of the fender and pivotally supporting said lower part on said upper part for movement about a vertical axis, means for supporting the rear end portion of said lower part on said upper part and for warping the bowed portion of said lower part under tension against said upper part.

2,365,793
COTTON-WORKING MACHINE
Clarence M. Asbill, Jr., New Orleans, La., and Ray C. Young, Leland, Miss., assignors to Claude R. Wickard, as Secretary of Agriculture of the United States of America, and his successors in office
Application July 17, 1943, Serial No. 495,205
3 Claims. (Cl. 19—93)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

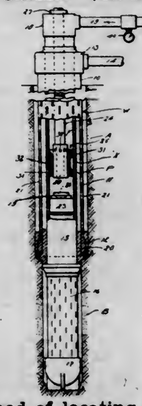
1. A cotton-working machine comprising a plurality of rotatable cylinders mounted adjacent each other with horizontally positioned axes of rotation and all rotatable in the same direction, the cylinders being positioned one above the other in a row, each cylinder having teeth

on its periphery, a horizontally movable feed-belt for moving lumps of cotton into engagement with the lowermost cylinder, whereby its teeth engage into the lump and remove a portion of cotton as lint and carry the lump into engagement with the next adjacent higher cylinder, a deflector plate positioned above the cylinders and feed-



belt to direct lumps of cotton back onto the feed-belt, a kicker positioned adjacent the uppermost cylinder for engaging the cotton lumps as they leave the uppermost cylinder and directing them into engagement with the deflector plate, whereby a roll of lumpy cotton continuously rotates in the machine, and means for removing the lint from between the teeth.

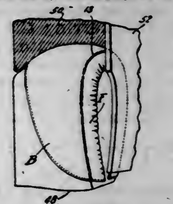
2,365,794
METHOD AND APPARATUS USEFUL IN REPAIRING WELLS
Arthur L. Armentrout and Richard A. Werts, Long Beach, Calif.
Application October 21, 1942, Serial No. 462,814
10 Claims. (Cl. 137—77)



1. The method of locating a leak in a tubular well string which includes passing fluid downwardly through said string to pass through the leak, moving a sealing means through said string while the fluid is flowing therethrough until the sealing means closes the leak to reduce or terminate said flow of fluid and determining the position of the sealing means in the well string.

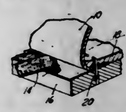
2,365,795
METHOD OF MAKING BACK PARTS OF SHOES
Merwin F. Ashley, Arlington, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application September 28, 1942, Serial No. 459,926
9 Claims. (Cl. 12—146)

1. That improvement in methods of forming back parts of shoe uppers which comprises forming a crease line in a flat back-part blank by turning the lower marginal portion of the flat blank to form an attaching flange, and then forming



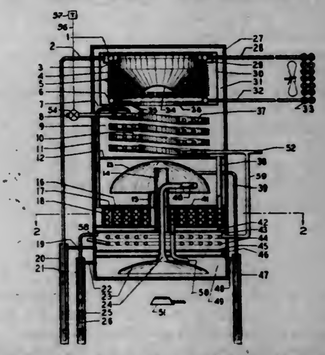
the blank to final shape while maintaining said crease line which thus becomes the edge crease around the heel end of the finished shoe.

2,365,796
METHOD OF MAKING SHOES
Merwin F. Ashley, Arlington, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application October 15, 1942, Serial No. 462,109
6 Claims. (Cl. 12—142)



1. Method of making McKay shoes which comprises attaching a thin strip of paper or the like to the edge portion of a shoe upper, said strip being inadequate to serve as a permanent sole-attaching welt, provisionally attaching the upper to a sole member without the aid of a last by adhesively connecting said strip to the margin of said member, sewing the upper and sole member permanently together by means of through-and-through stitches extending through these parts interiorly of the shoe, and thereafter breaking the adhesive connection between the strip and the margin of the sole member and completely removing at least the visible portion of the strip from said margin.

2,365,797
MEANS FOR HEATING AND COOLING
Francis R. Bichowsky, Washington, D. C.
Application May 29, 1940, Serial No. 337,857
20 Claims. (Cl. 62—119)



1. Vacuum absorption refrigeration apparatus including a unitary hermetically sealed vessel divided into two parts one of which is maintained

at a higher pressure than the other, the high pressure part containing a regenerator and a condenser and the low pressure part containing an evaporator and an absorber, thermally operated means for transferring the absorbent from the absorber to the regenerator, said means including an open unrestricted channel connecting the absorber and the regenerator, and means for allowing thermal communication between the hot absorbent and the cool absorbent.

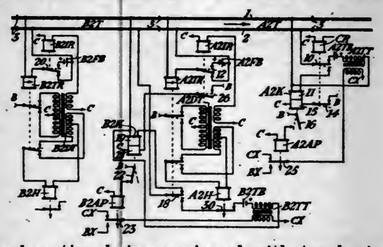
2,365,798
DEVICE FOR LOADING EXPLOSIVES IN WELLS
Wallace P. Blair, Midland, Tex., and Willy A. Schillinger, Tulsa, Okla., assignors to Zero Hour Bomb Company, Tulsa, Okla., a corporation of Oklahoma
Application December 20, 1940, Serial No. 370,974
14 Claims. (Cl. 166—19)



1. In a device of the character described, a casing having an open lower end, a fully releasable plug mounted in the lower end of the casing and serving as a closure therefor, plug retaining means comprising a lower member extending longitudinally of the casing, engaging the plug to retain it in position and being separable therefrom, and an upper retaining member connected to the lower retaining member, the retaining members being capable of limited longitudinal contractural and extending movement, the upper end of the upper retaining member being adapted to be secured to a lowering line, the plug retaining means being suspended in extended relation by the lowering line, and means operative upon predetermined longitudinal contractural movement between the upper and lower retaining members to lock the upper retaining member against movement with respect to the casing whereby upward movement of the upper retaining member and the casing causes the lower retaining member and the plug to move relatively to the casing to release the plug.

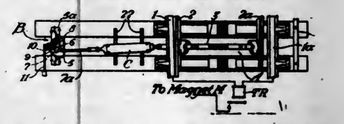
2,365,799
CODED TRACK CIRCUITS
Herman G. Blosser, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application September 28, 1943, Serial No. 504,133
5 Claims. (Cl. 246—38)

1. In combination, a stretch of railway track including adjacent first and second track sections, said first track section being equipped with coded track circuit apparatus including a code following track relay having associated therewith an impulse relay having normally released contacts movable to a picked up position in which they establish a circuit to supply energy to the rails of said first section, means responsive to release of the track relay contacts for supplying to said impulse relay energy effective to pick up the relay contacts momentarily, means including a back contact of said track relay for supplying energy to the rails of said second section, means including a front contact of said track relay for connecting a winding of a code following detector relay across the rails of said second section, said



second section being equipped with track circuit apparatus effective when the section is vacant to supply to said detector relay over the section rails in the periods in which the detector relay is connected across the section rails energy to move the detector relay contacts from their first to their second position, an approach relay, a circuit governed by a contact of said detector relay for supplying energy to said approach relay, and a circuit controlled by a contact of said impulse relay for supplying energy to said detector relay to thereby maintain the detector relay contacts in their second position until the impulse relay contacts pick up and to thereafter cause the detector relay contacts to move from their second to their first position.

2,365,800
RAILWAY TRACK SWITCH OPERATING APPARATUS
Herbert L. Bone, Forest Hills, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application April 30, 1943, Serial No. 485,120
16 Claims. (Cl. 246—315)



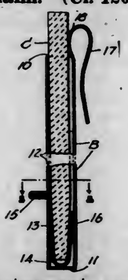
1. In combination with a railway track switch and a switch operating mechanism movable between two extreme positions, means for operatively connecting said mechanism with said switch normally effective to bias the switch to an extreme position corresponding to the position of said mechanism, said means including biasing members constantly effective to bias said switch to said corresponding position and other biasing members initially effective upon movement of said switch when trailed to aid said first-mentioned biasing members and effective when said switch is moved a predetermined distance toward its trailed position for operating said switch to the extreme position out of correspondence with said mechanism by a force which opposes and exceeds the biasing force of said first-mentioned biasing members, and means controlled by traffic on said switch effective when said switch is in its said out of correspondence position for reducing the force exerted by said other biasing members on said switch to a value below that exerted thereon by said first-mentioned biasing members whereby to permit said first-mentioned biasing members to restore said switch to its said corresponding position.

2,365,801
KNITTING MACHINE AND METHOD
Paul W. Bristow, Laconia, N. H., assignor to Scott & Williams, Incorporated, Laconia, N. H., a corporation of Massachusetts
Application November 11, 1942, Serial No. 465,185
9 Claims. (Cl. 66—14)



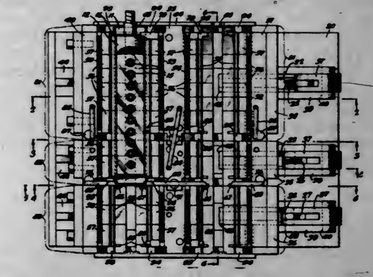
1. A knitting machine comprising a series of latch needles, means for feeding yarn to the needles, sinkers associated with said needles having inwardly opening hooks and ledges extending from the throats within the hooks to provide yarn-supporting portions raised beyond the portions of said ledges within the hooks, and means for moving said sinkers to bring said raised yarn-supporting portions into position to hold the yarn of the course of loops carried by the needle shanks as the yarn is about to be seized by the needles, thereby to accelerate closure of the latches to seize the yarn.

2,365,802
MARKING INSTRUMENT
Sidney C. Browse, Toronto, Ontario, Canada
Application February 11, 1944, Serial No. 522,021
1 Claim. (Cl. 120—13)



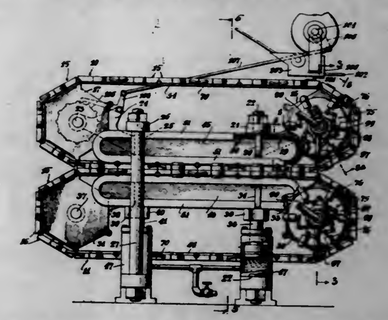
A marking instrument comprising a casing open at one end and closed at the other, said casing having a longitudinal slot in a wall thereof, an actuating clip slidably carried in the casing having an actuating member projecting through said slot, said clip being designed to receive a material of a cross section receivable within the casing, said actuating member being slidable in said slot to project said material from the open end of the casing for marking purposes, and a pocket clip at the upper end of said casing, said pocket clip being directed slightly towards the opening in the casing to resiliently engage said marking material, thus to restrict free sliding movement of the material in the casing.

2,365,803
ARTICLE ASSEMBLING APPARATUS
Edwin G. Chambers, Towson, and Ralph B. Kling, and George A. Seeley, Baltimore, Md., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application October 16, 1942, Serial No. 462,282
8 Claims. (Cl. 153—1)



1. An article assembling apparatus comprising a plurality of groups of bending blocks, means individual to each group of blocks for resiliently supporting it, an actuator for each of said means resiliently supporting a group of the bending blocks, means for supplying power to said actuators, and selectively operable means to control the supply of power to the actuators.

2,365,804
CONTINUOUS PRESS
John W. Clerke, Bellaire, N. Y.
Application May 14, 1940, Serial No. 335,035
20 Claims. (Cl. 18—21)



20. A continuous press, comprising two endless chains each made up of a plurality of flat rectangular platen sections hingedly connected to meet edge to edge when in a straight run, said chains being mounted on spaced sprocket structures which support the chains one above the other with the lower or working run of the upper chain and the upper or working run of the lower chain extending parallel in coacting relation; an upper frame structure comprising spaced crossbars each having a downwardly extending cross plate, a plurality of vertically standing and longitudinally extending plates rigidly connected to said cross-plates with their lower edges below the lower edges of the cross-plates to serve as tracks for pressure rollers bearing against the platen sections in the working run of the upper chain and with their upper edges extending through openings in the cross plates to serve as return tracks for said rollers, and brackets ex-

tending from said cross-plates by which shafts of the sprocket structures for the upper chain are carried, a lower frame structure comprising spaced cross-bars each having an upwardly extending cross-plate, a plurality of vertically standing and longitudinally extending plates rigidly connected to said upwardly extending cross-plates with their upper edges above the upper edges of the cross-plates to serve as tracks for pressure rollers bearing against the platen sections in the working run of the lower chain and with their lower edges extending through openings in the cross-plates to serve as return tracks for said rollers; and standards supporting the cross-plates of the upper frame structure, standards supporting the cross-plates of the lower frame structure, and means associated with the standards for one of the frame structures for adjusting the frame structure vertically.

2,365,805

CONCENTRATION OF SYLVINITE ORES

Allen T. Cole, Lakeland, Fla., assignor to Minerals Separation North American Corporation, New York, N. Y., a corporation of Maryland

No Drawing. Application May 15, 1943, Serial No. 487,147

23 Claims. (Cl. 209—166)

1. The improvement in the method of separating sylvite from a pulp containing it which comprises subjecting said pulp to a concentrating process employing a collector selected from the group consisting of aliphatic amines containing a straight chain hydrocarbon group of at least 7 carbon atoms and their soluble salts formed by their combination with acids which are relatively devoid of surface active properties, which resides in distributing in said pulp a useful amount of an auxiliary agent selected from the class consisting of the water-soluble and colloidally dispersible proteinaceous protective colloids, and thereafter subjecting the pulp to a separation treatment to remove the desired sylvite.

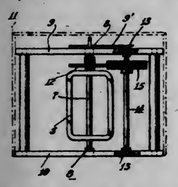
2,365,806

INERTIA DAMPING ARRANGEMENT FOR MEASURING INSTRUMENTS

Leon Dewan, New York, N. Y., assignor of one-half to Percival W. Andrews, New York, N. Y.

Application July 8, 1942, Serial No. 450,153

11 Claims. (Cl. 73—430)



3. A measuring instrument including an indicator member rotatively mounted and balanced in respect to its center of rotation, said indicator being adapted to move within an indicating range not exceeding one turn, a gear wheel associated therewith, a second member also rotatively mounted and balanced in respect to its center of rotation, a gear wheel on said second member, said first named wheel and second named wheel being in engagement, the amount of inertia of the two rotative systems being such as to cause substantially equal opposition at the engagement of the wheels in response to a rotational external force on the instrument.

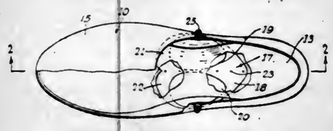
2,365,807

PNEUMATIC OR CUSHION ARCH SUPPORT FOR SHOES

Emmanuel M. Dialynas, Canton, Ohio

Application April 17, 1943, Serial No. 483,384

15 Claims. (Cl. 36—8.5)



1. In combination with a shoe of the character described; an arch support comprising a flexible plate secured to the sole of the shoe along a line coinciding with the longitudinal center line of said shoe; a pair of inflatable air bladders arranged beneath said plate; whereby upon inflation of one of said air bladders there will be provided a cushioned arch support adapting the shoe for use either on the right foot or the left foot depending on the air bladder selected for inflation.

2,365,808

DIHALO ACIDS

James D. D'Ianni, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware

No Drawing. Application May 10, 1941, Serial No. 392,943

5 Claims. (Cl. 260—539)

1. A method of preparing alpha, beta-dihalo-aliphatic carboxylic acids which comprises halogenating a nitrile of the acrylic series in an acidic medium.

2,365,809

MORDANT DYEING OF CELLULOSE DERIVATIVES

George Holland Ellis and Alexander James Wesson, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application May 21, 1941, Serial No. 394,478. In Great Britain June 29, 1940

8 Claims. (Cl. 8—30)

1. A process for the colouration of cellulose ester or ether fibrous textile materials, foils, films, and the like by forming therein a lake of a mordant dye from the dye and a salt of a mordant metal, wherein the dye and mordant metal salt are incorporated in the material by impregnating the latter with a solution of the dye and the mordant metal salt in a liquid medium which is a swelling agent for the material and contains at least 25% of a volatile organic liquid.

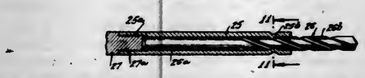
2,365,810

CHUCK

William J. Faso, Bayside, N. Y.

Application April 5, 1944, Serial No. 529,591

4 Claims. (Cl. 279—9)



1. In a chuck for twist drills having a helically fluted portion and a cylindrical shank portion of an external diameter corresponding to that of a circle inscribing at least a substantial part of the depth of the flutes of said drill, an open-ended

member having, adjacent one end thereof, an annular unbroken wall portion defining a bore adapted to establish a sliding fit with the peripheral surfaces of the flutes of a twist drill inserted therein and another wall portion defining a continuation of said bore extending toward the opposite end of said member, said bore continuation having a diameter at least as great as the maximum external diameter of said drill to permit the drill to be inserted from said opposite end, and said annular unbroken wall portion having projections extending inwardly into said first-mentioned bore for engagement with the flutes of said drill to transmit driving motion to said drill at the points of engagement of said projections with the flutes of the drill, and said projections further being of a size sufficient to engage with the shank portion of said drill to prevent the drill from falling out of the bore of said member when the assembly is disposed with the drill depending downwardly, and means associated with said open-ended member adjacent said opposite end thereof for limiting retrograde movement of said drill.

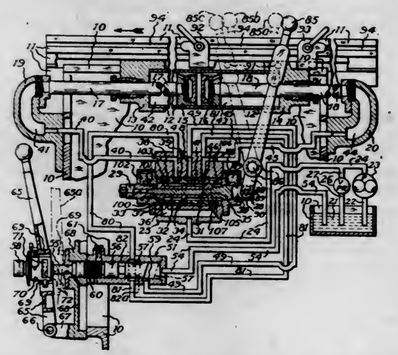
2,365,811

HYDRAULIC TABLE RECIPROCATING MECHANISM

Carl G. Flygare, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts

Application August 21, 1942, Serial No. 455,674

4 Claims. (Cl. 121—45)



2. In a hydraulically operated table reciprocating mechanism including a piston and cylinder, a source of fluid under pressure, a piston type reversing valve comprising a slidably mounted valve member having a pair of spaced valve pistons thereon, a reversing valve slidably supported on said member having a plurality of spaced integrally formed pistons, the effective areas of the reversing valve pistons being greater than the effective areas of the spaced valve pistons on said valve member, a valve chamber formed at each end of the reversing valve between the reversing valve and said spaced valve pistons, respectively, table actuated means to shift said valve member and said reversing valve to shift the reversing valve to a central position, and a valve port for each of said chambers successively connecting a source of fluid under pressure with said valve chambers, one of said ports being opened during reversal at each end of the table stroke to admit fluid under pressure directly from said source to one of said chambers positively and rapidly to shift said reversing valve independently of said valve member into a reverse position.

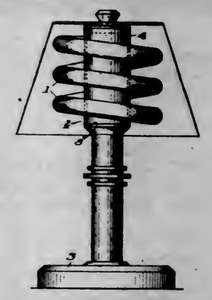
2,365,812

LUMINESCENT LAMP MOUNTING

Lloyd L. Friend, Jr., Pittsburgh, Pa.

Application November 2, 1943, Serial No. 508,754

8 Claims. (Cl. 240—81)



1. In a luminescent lamp device the combination of a tubular insulating lamp support adapted to stand longitudinally within the coil of a coiled luminescent lamp, electrical contact members on the exterior of said lamp support, and a lamp unit comprising a coiled luminescent lamp having the turns thereof spaced from the said lamp support and telescopically mounted thereon, an insulating carrier secured to the said luminescent lamp unit to extend longitudinally within the coil thereof and shaped to interfit with said lamp support when brought into mounted engagement therewith by relative longitudinal sliding movement, and electrical contact members for the said coiled lamp unit carried in exposed position by the said carrier and arranged for engagement with the contact members of the lamp support, when so engaged, to complete a circuit through the lamp.

6. A luminescent lamp unit comprising a coiled luminescent lamp, an insulating carrier sleeve secured to the lamp coil and extended longitudinally therewithin in spaced relation to the turns thereof; the said carrier sleeve being of the shape of a cylinder and contact members on said coiled lamp and extended through the said insulating carrier sleeve for exposure interiorly thereof, said contacts being vertically alined.

2,365,813

PROCESS FOR TREATING FIBROUS PRODUCTS AND PRODUCT THEREOF

Earl W. Gluesenkamp, Centerville, Ohio, assignor to Monsanto Chemical Company, a corporation of Delaware

No Drawing. Application August 19, 1942, Serial No. 455,349

19 Claims. (Cl. 117—154)

1. A combined grease proof and water repellent paper containing a previously prepared N,N' diacyl diamino methane, where the acyl groups are those of from fatty acids ranging from C_{12} to C_{28}.

2,365,814

PROCESS OF PRODUCING FLOOR COVERINGS

Johan Leon Goudsmit, Nijmegen, Netherlands; vested in the Alien Property Custodian

Application May 16, 1939, Serial No. 273,885

In the Netherlands May 24, 1938

1 Claim. (Cl. 154—2)

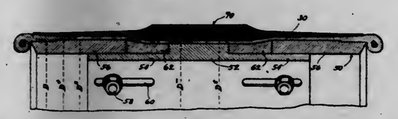
The process of manufacturing a floor covering which comprises uniting a rubber layer with a

fabric layer by vulcanization, arranging in contact with said fabric layer a layer of felt paper, which is impregnated with an adhesive moisture-



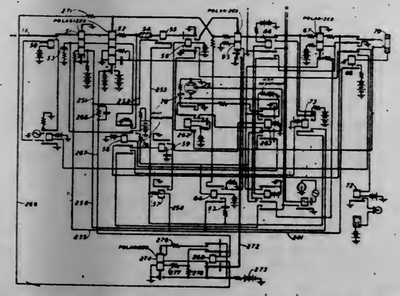
proofing substance readily liquefiable by heating and uniting the felt paper with the fabric layer by heat and pressure.

2,365,815
METHOD OF BUILDING PNEUMATIC TIRES
Jorgen I. Haase, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
Application April 8, 1942, Serial No. 438,155
10 Claims. (Cl. 154—14)



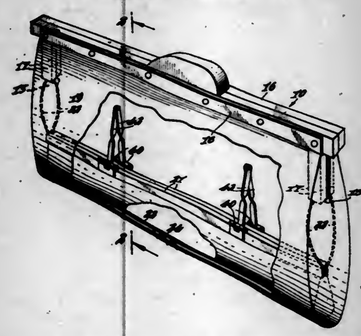
2. That method of building a pneumatic tire which includes the steps of building the ply carcass in substantially flat pulley band shape so that the internal diameter of the carcass is substantially the same between the beads of the carcass, increasing the internal diameter of the sidewall portions of the carcass and decreasing the internal diameter of the tread portion of the carcass while still in pulley band form, supporting the carcass in its new shape, and applying a combined tread and sidewall unit to the outer periphery of the supported carcass.

2,365,816
SUPERVISORY SYSTEM FOR TELEGRAPH CIRCUITS
Richard B. Hearn, Hollis, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 18, 1943, Serial No. 476,277
14 Claims. (Cl. 178—69)



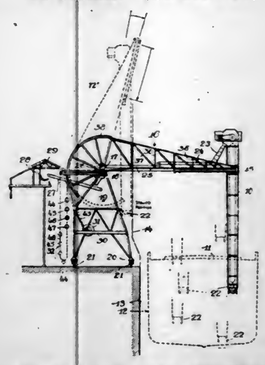
1. In a telegraph system, an outlying station having a line, a central office station having a terminating circuit for said line including separate repeating relays for directly repeating signals from said line and into said line, means controlled by one of said relays for disqualifying the other of said relays from repeating signals without estopping signal responsive operation of said other relay, and means controlled by the last-mentioned means for requalifying said other relay to repeat signals.

2,365,817
LADY'S HANDBAG
Sally McDougall Henke, Brooklyn, N. Y.
Application December 18, 1943, Serial No. 514,759
6 Claims. (Cl. 150—29)



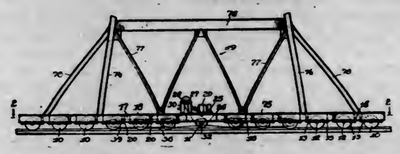
1. In combination, a handbag comprising a frame having interpivoted jaws and a bag body attached to the frame, an inner compartment comprising a pair of parallel side members interconnected by a flexible body, a pair of springs attached to each jaw, means to connect the springs of one jaw to the side member of the inner compartment on the opposite side of said inner compartment whereby opening movement of said jaws will separate said side members to open said inner compartment, and whereby closing movement of said jaws will bring said side members together to also close the inner compartment.

2,365,818
MARINE LEG UNLOADING APPARATUS
Homer K. Herrick, South Pasadena, and Charles J. Horn, Arcadia, Calif., assignors to Stephens-Adamson Mfg. Co., a corporation of Illinois
Application November 27, 1942, Serial No. 467,128
11 Claims. (Cl. 198—88)



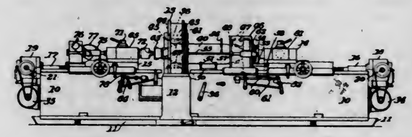
1. In a device of the class described, a supporting frame, a boom mounted on the frame to swing up and down through a vertical angle between an upper stowed position and lower operating positions, a carriage movable in and out along the boom, a marine leg mounted to swing from the carriage, and adjustable conveyor means mounted on the boom and comprising a section movable along the boom having one end connected to the carriage and a cooperating section mounted in fixed position on the boom and discharging at the frame.

2,365,819
TRUCK SUPPORT FOR HEAVY TRAVELING MACHINES
Homer K. Herrick, South Pasadena, and Charles J. Horn, Arcadia, Calif., assignors to Stephens-Adamson Mfg. Co., a corporation of Illinois
Application November 27, 1942, Serial No. 467,129
7 Claims. (Cl. 105—180)



1. In a device of the class described, a tower frame having side sills, a multiplicity of independent, like wheel supports for each side sill, each including a lever fulcrumed at one end to the adjacent side sill, a spring between the other end and the adjacent side sill, and a supporting wheel between the fulcrum and the spring.

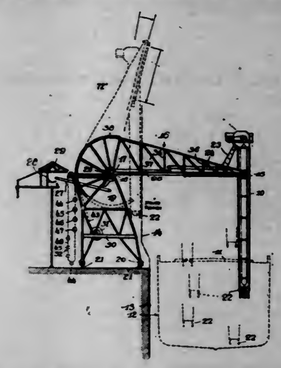
2,365,820
MACHINE TOOL
Robert L. Hibbard, Bellevue, Pa., assignor of one-half to William K. Stamets, Mars, Pa.; Stewart C. Hibbard, Robert L. Hibbard, Jr., and Hays M. Junkin, executors of said Robert L. Hibbard, deceased
Application December 30, 1942, Serial No. 470,541
19 Claims. (Cl. 29—27)



1. A machine tool having a chucking mechanism for supporting a work piece tapered at both ends comprising a machine bed, spaced housings open at each end and supported on the machine bed to have relative movement toward and away from each other, axially aligned means carried by the housings arranged to encircle the work piece part way up the tapered ends and permit machining of the work piece ends from the outer ends of the housings, a smooth work-engaging surface in one of said means, annularly spaced grips carried by the other of said means to grasp and hold the work piece, and means for moving the housings toward each other to pick up the tapered ends and rest them on the lower portion of both of the said means and upon further movement swing the work piece into axial alignment with said means, the work piece pivotally moving on the lower grip means as it is received in gripping engagement by the diametrically positioned grip means.

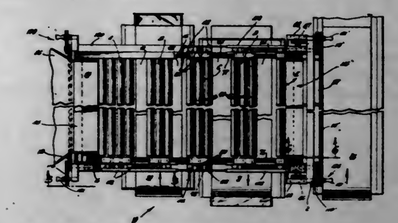
2,365,821
COMPENSATING COUNTERBALANCE FOR BOOMS AND THE LIKE
Charles J. Horn, Arcadia, Calif., assignor to Stephens-Adamson Mfg. Co., a corporation of Illinois
Application November 27, 1942, Serial No. 467,130
12 Claims. (Cl. 212—49)

1. In a device of the class described, a supporting frame, a boom mounted on the frame to swing up and down through a vertical angle, a drum on the boom, a compensating counterweight for the boom including a plurality of weights, a chain connecting the weights in a series, a cable connecting one end of the chain with the upper por-



tion of the drum, a second cable connecting the other end of the chain with the lower portion of the drum, and a pulley fixed on the frame over which the second cable is looped between the chain and the drum.

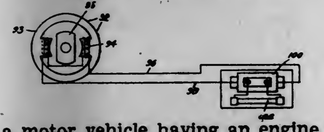
2,365,822
TRANSVERSE SIZER
Lloyd E. Jones, Pasadena, Calif., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application March 4, 1943, Serial No. 477,929
11 Claims. (Cl. 209—106)



8. In a sizer, the combination of: two groups of transverse rollers disposed in parallel relation, said groups being spaced apart to form a sizing opening; means for rotating the rollers of said groups in a common direction, there being a plurality of rollers in one of said groups and said direction being such that the upper surfaces of the rollers in said group travel toward said sizing opening; means for feeding fruit to be sized onto said last aforementioned group of rollers, said rollers being so proportioned, arranged and driven that the advance of the fruit thereover is dependent upon the incoming fruit crowding fruit already resting on said plural group of rollers to cause said fruit thus crowded to drop into said sizing opening, and where said fruit is too large to pass through said sizing opening to engage said large fruit and press it against the roller on the opposite side of said sizing opening, to cause said fruit to be lifted and transferred in said direction over said last mentioned roller; and means for varying the space between said groups of rollers and changing the range of sizes of fruit admitted through said sizing opening,

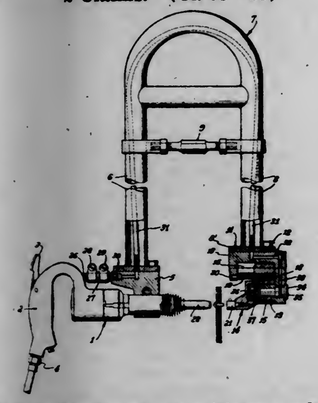
said rollers continuing to rotate about fixed axes during the operation of said machine in between adjustments as aforesaid, the rollers in said plural group being uniformly spaced substantially close together regardless of the changes in width of said sizing opening.

2,365,823
AUTOMOBILE SIGNALING DEVICE
John Joyce, Dorchester, Mass.
Application February 26, 1942, Serial No. 432,445
1 Claim. (Cl. 177—311.5)



In a motor vehicle having an engine for propelling the vehicle, a neon warning lamp, a transformer at the lamp having its high tension secondary winding connected to the lamp, a low tension generator remote from the lamp and transformer and rotated by the engine, low tension leads extended from the generator and connected to the low tension primary winding of the transformer, said generator being an alternating current generator initiating separated current pulses for energizing said transformer and illuminating said lamp, and means providing relative speeds of the engine and generator such that the lamp appears to glow steadily when the vehicle is travelling above a predetermined speed and visually distinct flashes of illuminations of said lamp are apparent at vehicle speeds below said predetermined speed.

2,365,824
RIVETING DEVICE
Kenneth N. Keesler, Burbank, Calif., assignor to Consolidated Vultee Aircraft Corporation, a corporation of Delaware
Application April 28, 1943, Serial No. 484,817
2 Claims. (Cl. 78—48)

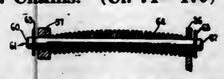


1. A riveting device comprising: a yoke, a fluid pressure operated riveting hammer held by one end of the yoke and provided with a valve for controlling the admission of pressure fluid to said hammer, a fluid pressure operated bucking head assembly held by the other end of the yoke, said bucking head assembly including a support, a boss thereon, a bucking head provided with a bore adapted to slidably receive the boss in substantially fluid-tight relationship therewith for movement thereon toward and away from the riveting hammer, means carried by the support and slidably engaged by the bucking head for guiding movement thereof, spring means carried by said support and yieldably urging the bucking head away from the riveting hammer, conduit means for admitting pressure fluid to the riveting hammer under the control of said valve, conduit means extending from said valve to and through said yoke for admitting pressure fluid to the bore in the bucking head to force the head toward the riveting hammer, and means for adjusting the spread between the ends of said yoke whereby to vary the distance between said riveting hammer and bucking head according to the thickness of work to be riveted.

2,365,825
PRODUCTION OF N,N-DIALKYLAMINO ALCOHOLS
Lucas P. Kyrides, Webster Groves, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application October 29, 1942, Serial No. 463,809
10 Claims. (Cl. 260—584)

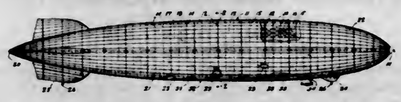
1. The process of producing an N,N-dialkylamino alcohol from an aliphatic polyhydric alcohol having at least one primary carbinol radical and at least one secondary carbinol radical, which comprises reacting said polyhydric alcohol with a secondary aliphatic amine, in the presence of a metal hydrogenation catalyst at a temperature above approximately 120° C., whereby a hydroxyl radical of a primary carbinol radical of the polyhydric alcohol is substituted by the dialkylamino radical in preference to the hydroxyl radical of a secondary carbinol radical.

2,365,826
CONTROL MEANS
Walter S. Landon, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Original application July 11, 1938, Serial No. 218,720. Divided and this application September 15, 1941, Serial No. 410,842
7 Claims. (Cl. 74—470)



1. In a device of the character described, operated means movable between predetermined limits, stop means limiting movement of said operated means in one direction prior to movement to one of said predetermined limits, a bell crank lever engaging said operated means for movement thereof, a lever member fulcrumed at one end and received by said bell crank lever at the opposite end, said lever member having an aperture therethrough, an operating member having an aperture therethrough in substantial alignment with said lever member aperture, a rod member having one end portion loosely received in one of said apertures and the other end portion in the other of said apertures, means limiting relative movement of said lever member and said operating member in a separating direction, and resilient means urging said lever member and said operating member in said separating direction and providing lost-motion so that said operating member can continue movement toward said lever member after said operated means has engaged said stop means.

2,365,827
RIGID AIRSHIP
Herman R. Liebert, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
Application August 5, 1941, Serial No. 405,513
11 Claims. (Cl. 244—2)

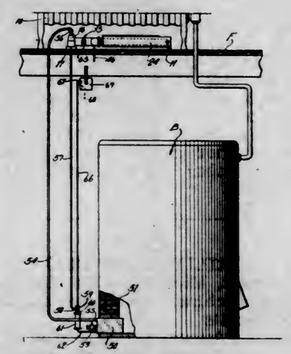


1. In combination a rigid airship and a plurality of airplanes suspended therefrom by retracted retractable landing means, the airplanes being located in recesses in the bottom of the airship, said airplanes substantially filling and closing the recesses with the under surface of the wings of the airplanes substantially flush with the bottom of the airship, and forming substantially a continuation of the outer contour thereof.

2,365,828
CONCENTRATION OF ACID SOLUTIONS
John P. Loud, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application November 24, 1942, Serial No. 466,793
1 Claim. (Cl. 260—541)

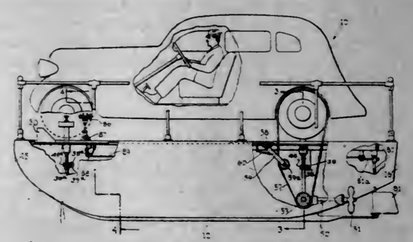
In a process for the concentration of an aqueous solution containing about 33% of acetic acid, the step which comprises extracting 1 part by volume of the aqueous solution of acetic acid with 2 parts by volume of an extracting medium comprising 70% by volume of ethyl acetate and 30% by volume of benzene flowing counter-currently to the aqueous solution, said aqueous solution having an initial temperature of about 15° C., the extracting medium having an initial temperature of about 45° C., and the acid-laden extracting medium having a final temperature of about 25° C.

2,365,829
HUMIDIFYING APPARATUS
Stowell W. Mears, New Canaan, Conn., assignor to Bridgeport Brass Company, Bridgeport, Conn., a corporation of Connecticut
Application September 17, 1942, Serial No. 458,655
7 Claims. (Cl. 126—113)



1. In combination, a humidifier, a heating conduit within said humidifier and in contact with humidifying medium therein for evaporating said medium by the heat of said conduit, steam generator means for heating said conduit with steam, means connecting said steam generator with said heating conduit for delivering generated steam thereto, an overflow container located above the level of said steam generator, a relief conduit connected to said generator in a portion thereof containing water, and a siphon constituting part of said relief conduit with its shorter leg extending into said overflow container and terminating adjacent the bottom thereof whereby excessive steam pressure will force temporary escape of water from said steam generator through said relief conduit and siphon into said overflow container and whereby said siphon will automatically return the temporarily escaped water in said container to said steam generator upon termination of excessive steam pressure.

2,365,830
BOAT OPERATED BY MOTIVE VEHICLE
Otto H. Miller, Union City, N. J.
Application September 27, 1943, Serial No. 503,897
2 Claims. (Cl. 115—0.5)

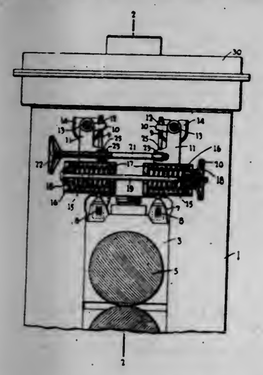


1. The combination with a float consisting of a hollow body having a platform on its upper side adapted to support a motor driven road vehicle, a shaft journaled to rotate on said float and provided with a propeller extending outwardly of the float to engage water in which the float is submerged partly, a shaft having a pulley and geared to drive the first-shaft and its propeller, said platform having an opening located above the pulley, means for raising the rear driving wheels of a motor vehicle positioned on the platform when said wheels are located in line with said opening, and a transmission belt provided with a slack take-up trained over said pulley and engageable with one of the rear wheels of the motor driven vehicle when positioned on said platform, whereby the propeller may be driven by the power plant of the motor driven vehicle.

2,365,831
SUSPENSION OF ROLLING MILL ROLLS
Anatolij Mogiljanskij, Bournemouth, England, assignor to The Loewy Engineering Company Limited, London, England, a corporation of Great Britain
Application January 30, 1943, Serial No. 474,075
In Great Britain October 4, 1941
6 Claims. (Cl. 80—55)

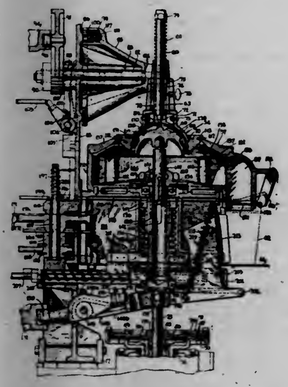
1. In a rolling mill, a frame, a roll mounted in said frame so as to be vertically adjustable therein, bearing chocks for said roll, rods provided in pairs for suspending said chocks from said frame, the two rods, belonging to one pair being symmetrically arranged at both sides of the vertical

axial plane of said roll, levers forming pivotal connections between the free ends of said rods and said frame, and a single adjustable tensioning device for all rods, said tensioning device comprising a pair of spring members which



are inserted between said levers with one spring member on each side of the vertical axial plane of said roll and a single means to adjust uniformly the pressure of each of said spring members so as to counteract the downward pull of said suspension rods.

2,365,832
FRUIT JUICE MACHINE
Charles Zienus Monroe, Detroit, Mich., assignor to Sealdsweet Sales Association, Tampa, Fla., a corporation of Florida
Application January 15, 1941, Serial No. 374,459
22 Claims. (Cl. 146—3)

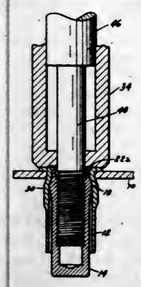


1. In a fruit juice machine, a reamer and means for rotating it, a pair of fruit-gripping hands, each rotatable on an axis, the hand axes being parallel and lying in a plane which is at right angles to the axis of the reamer and said hands rotating substantially in a plane containing said reamer axis; means for rotating said hands to bring them successively in line with the reamer axis, and means for causing relative approach and separation movements between the reamer and each hand when so aligned for extracting the juice from the fruit gripped by the hands.

2,365,833
PROCESS OF INCORPORATING POLYCHLOROPHENOLS IN FIBERBOARD
Henry L. Morrill, Clayton, and John D. Fleming, St. Louis, Mo., assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application September 5, 1939, Serial No. 293,428
2 Claims. (Cl. 92—21)

1. The process of producing insect and mildewproofed fiber board having uniformly distributed therethrough on the fibers thereof a polychlorophenol selected from the group consisting of trichlorphenol, tetrachlorphenol and pentachlorphenol comprising explosively disintegrating wood, preparing a fiber stock by addition of water to the fibers and the acidic aqueous liquor resulting from said explosive disintegration, adding to said fiber stock a water-soluble salt of a polychlorophenol selected from the group consisting of trichlorphenol, tetrachlorphenol and pentachlorphenol, whereby the said polychlorophenol is precipitated by the water-soluble constituents contained in the aqueous liquor resulting from the explosive disintegration of the wood, felting the resulting stock, and thereafter molding said felts into boards, and reusing a substantial portion of the acidic white water recovered in said felting for subsequent stock preparation.

2,365,834
FASTENING MEANS
Lloyd W. Olmsted, Hawthorne, Calif.
Application August 3, 1940, Serial No. 350,513
10 Claims. (Cl. 218—29)

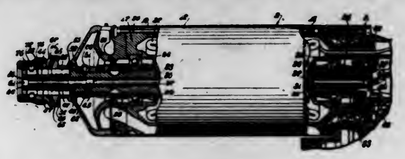


5. The combination with a plate structure having an aperture therein, of a hollow anchor member extending through said aperture and having a flange contacting one face of the plate, and a hollow threaded member telescoped into said anchor member, the portion of said anchor member on the side of the plate remote from said flange being enlarged to rivet the anchor member to the plate, the end of the threaded member adjacent said flange being riveted over to secure it to the anchor member and the bore of said threaded member being threaded to receive a threaded part.

2,365,835
DRILLING APPARATUS
Win W. Paget, Michigan City, Ind., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application August 1, 1941, Serial No. 405,066
5 Claims. (Cl. 255—47)

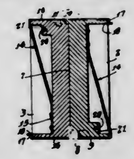
1. In a drilling apparatus, in combination, a motor for rotating a drill rod, and a flexible

chuck for supporting the shank of said drill rod in driving relation with said motor for permitting limited angular movement between the axes thereof, said chuck including two pieces, one provided with a convex curved surface and the other provided with a concave curved surface of substantially the same curvature as the first, said convex curved surface facing toward said con-



cave curved surface and spaced therefrom equal distances at all points on lines normal to the surfaces, means including a flexible material arranged between said curved surfaces for bonding said pieces together, means for detachably securing one of said pieces to the drive shaft of said motor, and means for detachably securing the shank of said drill rod to the other of said pieces.

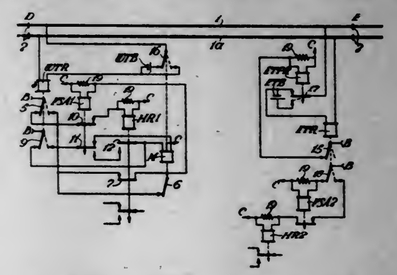
2,365,836
CHIP HOLDER
Robert I. Partridge, Arcadia, Calif.
Application March 10, 1944, Serial No. 525,835
6 Claims. (Cl. 211—49)



3. A holder for chips or the like, comprising two separable sections, said sections having adjacent faces with registering recesses therein cooperating to form compartments for the chips, said sections having interlocking means for limiting the said sections against relative movement, latch bars carried respectively by the sections extending across the upper and lower faces of the holder, and having means for engaging the sections to maintain the same latched together.

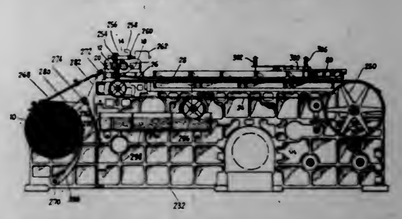
2,365,837
RAILWAY TRAFFIC CONTROLLING APPARATUS
John M. Pelikan, Chicago, Ill., assignor to The Union Switch and Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application May 16, 1942, Serial No. 443,240
14 Claims. (Cl. 246—38)

11. In combination, a section of railway track, two polarity responsive track relays one for either end of said section and each having a given position and another position, two controlled relays one for each track relay and each having a first position and a second position, means controlled by each track relay for operating the associated controlled relay to its said first position or said second position according as the track relay is in its said given position or said other position, two sources of current one for each section end, a first track circuit for said section including the source at a given section end and the track rails and the windings of both of said track relays and first position contacts of each of said controlled relays, said given section end source being poled to cause operation of each of said polarity responsive track relays from its said given position to said other position, a second track circuit for said section including the source at the opposite section end and the track rails and the windings of both of said track relays and second position contacts of each of said controlled relays, said



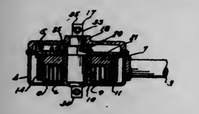
opposite section end source being poled to cause each of said polarity responsive track relays to operate from its said other position to its said given position, and means controlled by one of said track relays when reversible operation thereof is terminated by the shunting action of a train in the section for applying to the track rails code impulses of energy from the source at the associated end of the section.

2,365,838
CANDY STICK MACHINE
Hiram A. Perkins, Rochester, N. Y., assignor to Setter Bros. Inc., Cattaraugus, N. Y., a corporation of New York
Application August 22, 1941, Serial No. 407,917
8 Claims. (Cl. 164—68)



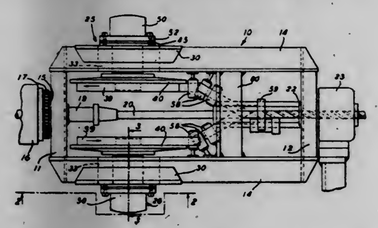
1. In a machine of the class described, means forming a passageway in which compressible tubes are compacted into substantially solid rods as they advance by rolling through the passageway, a part of said means including a carrier, a normally spring held cutter head forming with the relatively unyielding carrier at least a substantial part of the passageway the cutter head and the carrier forming opposed passageway surfaces in pressure contact with the rods throughout their effective lengths, knives carried by the cutter head and extending into the passageway to an extent substantially equal to the radius of one of the rods so that the rods are cut by rolling against and along the knives, and means operative within narrow limits for yieldingly pressing the cutter head and the knives toward the relatively unyielding surface of the carrier, said last named means operating to increase the pressure upon the rods when their resistance to the cutting action causes the cutter head to temporarily move away from the carrier.

2,365,839
SPEED WRENCH
William W. Pike, Glendale, Ariz.
Application June 29, 1943, Serial No. 492,744
2 Claims. (Cl. 81—58)



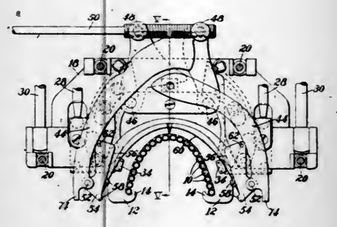
1. A speed wrench comprising, in combination, a cylindrical case consisting of an upper part and a lower part fitted thereon, a peripheral slot formed in said case parts, a radially extending handle attached to said lower case part and an axially positioned bearing boss formed in said lower part, a spindle journaled within said case having squared bosses at each end adapted to receive and yieldably retain wrench heads or the like, a bobbin having an axially concentric annular recess opening on its bottom face and ratchet engaging lugs on its upper face bearing on said bearing boss in said case, a ratchet disk attached to said spindle to turn therewith and have axial movement thereon having detents adapted to engage said lugs on said bobbin when said bobbin is rotated in the direction imparted by withdrawing a metal ribbon wrapped around said bobbin, and having notches formed around its periphery, a spring urging said ratchet disk toward said bobbin face, a metal ribbon wound around said bobbin with its inner end attached thereto and its free end extending thru said slot in said case, a handle attached to the free end of said ribbon and adapted to engage the sides of said slot and prevent the free end of said ribbon from entering therein, a return spring operative intermediate said case and said bobbin adapted to resiliently maintain said ribbon wound on said bobbin, and a yieldable spring element attached to the interior of said case adapted to frictionally engage the said notches on said ratchet disk to impede rotation of said ratchet disk in the direction imparted by said return spring.

2,365,840
BEARING DEVICE
Ellwood W. Reynolds, Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application November 17, 1942, Serial No. 465,837
11 Claims. (Cl. 57—15)



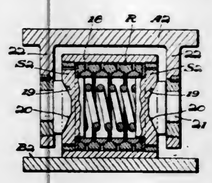
1. A bearing device comprising a spindle mounted for rotation about its axis, means to cause rotation of the spindle, means to move the spindle about an axis, disposed at an angle relative to the spindle axis, creating an axial centrifugal thrust on the spindle, and a bearing including a fluid affected by centrifugal force to counteract the said thrust.

2,365,841
LASTING MACHINE
William Thomas Buckingham Roberts, Leicester, England, assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Original application February 23, 1943, Serial No. 476,828. Divided and this application February 14, 1944, Serial No. 522,243. In Great Britain February 28, 1942
8 Claims. (Cl. 12—14)



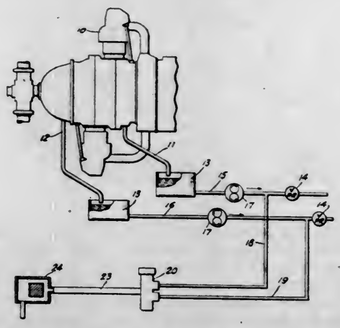
1. In a lasting machine, the combination with wipers having wiping edges curved to embrace an end portion of an upper and movable to wipe the margin of the upper inwardly over an insole on a last, of a plurality of fastening-inserting devices for inserting fastenings in a row along the edges of the wipers to fasten the upper, controlling means for maintaining said fastening-inserting devices properly grouped relatively to the edges of the wipers, said controlling means being removable to permit differently formed means to be substituted when differently shaped wipers are used in the machine, and mechanism movable into position to hold said fastening-inserting devices in their grouped relation when said controlling means is removed and other such means substituted.

2,365,842
ALL-DIRECTIONAL SHOCK ABSORBER
Siegfried Rosenzweig, New York, N. Y.
Application October 1, 1943, Serial No. 504,624
4 Claims. (Cl. 248—20)



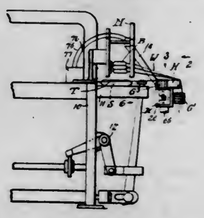
1. An all-directional shock absorber for machinery bases and the like, comprising, upper and lower plates respectively supporting the machine and resting on the sub-base, a shock absorbing device, including, a single tubular casing, resilient shock absorbing means confined therein, shoes in the form of discs slidably mounted in each end of the casing and adapted to compress said resilient shock absorbing means, said shoes being provided on their outer faces with conical sockets, actuating means for said shoes consisting of a pair of connected plunger plates spaced outwardly of each disc, and cam means in the form of conical wedges carried by said plates and engaging said control sockets.

2,365,843
TEMPERATURE CONTROL FOR AIRCRAFT INSTRUMENTS
Earle A. Ryder, West Hartford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application January 29, 1944, Serial No. 520,253
4 Claims. (Cl. 237—2)



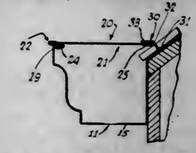
3. A temperature control for aircraft instruments comprising in combination an aircraft engine having a hot oil sump and a relatively cool oil sump, conduits from said sumps, a mixing valve having intakes connected individually to said conduits, a discharge conduit from said mixing valve, and a thermostatically controlled balanced valve for varying the openings respectively from said hot and cold conduits to said discharge conduit, said thermostat control being housed within said discharge conduit and said discharge conduit extending to an instrument panel board.

2,365,844
THREAD HOLDER AND REMOVER FOR WEFT REPLENISHING LOOMS
Elliot A. Santon, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application April 15, 1944, Serial No. 531,171
19 Claims. (Cl. 139—257)



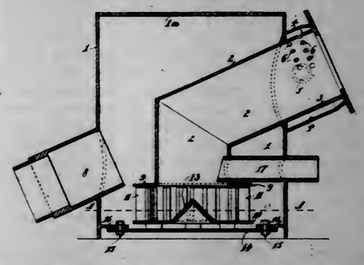
1. In a weft replenishing loom having a magazine provided with a group of bobbins from which a group of weft ends extend, the lowest bobbin in the group when transferred into a shuttle under the magazine causing the weft end thereof to descend from said group of weft ends, the descended weft end eventually being cut at the selvage, a pair of meshing thread engaging geared members below and out of engagement with the group of weft ends but located to engage the descended weft end, and means to rotate said geared members in a direction to draw said descended weft end between said geared members and away from the selvage after said descended weft end is cut at the selvage.

2,365,845
ROOF GUTTER PROTECTING DEVICE
Martin Schweda, St. Albans, N. Y.
Application October 24, 1942, Serial No. 463,229
1 Claim. (Cl. 108—30)



The combination with a gutter having an inwardly directed flange on the outer upright wall thereof, of a screen having a reinforcing binding strip on its outer edge and a channel flange thereon adapted to engage the flange of the gutter to support the binding strip of the screen on the flange of the gutter and to prevent outward and vertical displacement of the screen on the gutter, and a plurality of devices for holding the inner edge of the screen on the roof to which the gutter is attached, each of said devices consisting of a plate insertable under confronting shingles and an upstanding pin adapted to engage the inner edge of the screen and to be deflected over the inner edge of the screen to prevent both inward and upward displacement of the screen, and being adapted to permit of the removal of the screen from the gutter, when the pins of said devices are turned or bent backward.

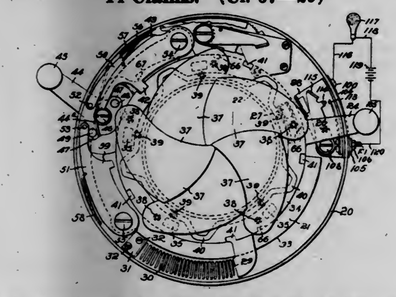
2,365,846
MEANS FOR QUENCHING, WASHING, AND SILENCING THE EXHAUST EMISSION FROM INTERNAL-COMBUSTION ENGINES
Allever Burton Seaborne, Staines, England
Application November 5, 1942, Serial No. 464,670
In Great Britain November 5, 1941
2 Claims. (Cl. 181—52)



1. An apparatus for quenching, washing and silencing the exhaust emission from internal combustion engines comprising a closed container, an inlet pipe therein for the heated combustion gases, a jacket surrounding a portion of said inlet pipe, a water inlet to said jacket and outlets therefrom discharging into said inlet pipe, a flange on the lower end of said inlet pipe, a plate contiguous to and parallel with said flange and supported by the bottom closure of the container, a plurality of angularly or tangentially disposed vertically arranged vanes carried on said plate and extending between it and the flange so that the flange, plate and vanes constitute a box terminating the lower end of the inlet pipe, outlets from said box constituted by the spaces between the vanes to allow the gases to escape with a swirling motion from the inlet pipe beneath accumulated water in the lower part of the container so as to create a

bubbling or frothy turbulence in said water and a discharge outlet in the lower part of the container at the level above the outlets from the box for the cooled and expanded gases together with any surplus of unevaporated water in the bottom of said container, as set forth.

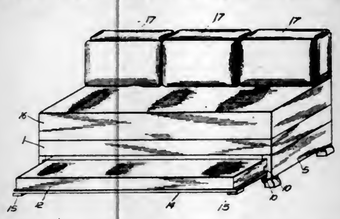
2,365,847
BETWEEN-THE-LENS SHUTTER SYNCHRONIZATION
Oscar Steiner, Rochester, N. Y., assignor to The Folmer Graflex Corporation, Rochester, N. Y., a corporation of Delaware
Original application June 17, 1941, Serial No. 398,413. Divided and this application April 1, 1943, Serial No. 481,416
14 Claims. (Cl. 67—29)



6. Combined shutter and synchronizer-mechanism operating means for flashlamps, including a shutter body provided with a set of pivoted shutter leaves to open and close by in-and-out substantially radial movements, a circularly movable cam ring carried by said body and encircling said leaves, and having a cam path with a series of widely and equally spaced cam formations corresponding in number to said shutter leaves and receiving operating projections from said leaves; a combined cam-ring operating and synchronizer-operating ring also carried by said shutter body substantially concentrically with said cam ring and having a shutter setting lever member provided with a synchronizer-mechanism operating formation, a usual or standard flashlamp with battery and electric circuit and having contacts within said shutter body in position to be operated upon to close the circuit by engagement of the said synchronizer-mechanism operating formation on said shutter setting lever at substantially the end of a cam-ring operating turning movement of said combined operating ring, said combined operating ring having a necessarily wide angular movement to effect the opening and closing of said shutter leaves and the operation of the synchronizer-means, thereby providing sufficient delay to synchronize a usual or standard flashlamp.

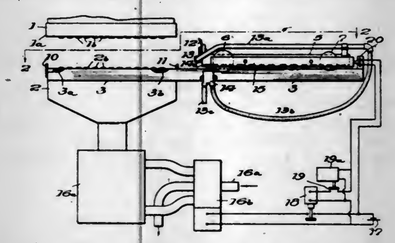
2,365,848
CONVERTIBLE FURNITURE SET
Richard C. Stone, Brooklyn, N. Y.
Application August 10, 1943, Serial No. 498,038
3 Claims. (Cl. 5—18)

2. A convertible furniture set comprising a frame body having a vertical wall and two other vertical walls extending horizontally at right angles from said first wall, said frame body being open at its upper side and at the side opposite to said first wall, having two pairs of spaced ledges, one of said pairs being affixed to the inner side of each of said other walls and running from said first wall to the opposite open side, having a plurality of spaced ledges affixed to the inner side of said first wall near the upper rim thereof and having two slats, each connecting one of said other walls with said first wall diagonally near the upper rim of said frame body; a spring box removably covering the upper open side of said frame body and having projecting ledges



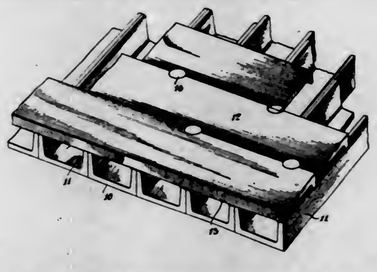
affixed to its lower side, some of said ledges fitting into the spaces between said ledges near the upper rim of said frame body and some other of said ledges having obliquely cut ends fitting the obliquely positioned sides of said diagonal slats; and another spring box having outer measures slightly smaller than said frame body, and opposite lateral projections fitting into the spaces between said ledges arranged in pairs.

2,365,849
LOADING DEVICE FOR MOLDING PRESSES
William Strauss, Philadelphia, Pa., assignor to F. J. Stokes Machine Company, a corporation of Pennsylvania
Application January 19, 1942, Serial No. 427,363
11 Claims. (Cl. 18—30)



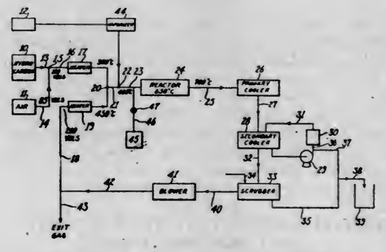
5. In combination, a molding press having upper and lower platens carrying mold parts, a pair of horizontal rails mounted on opposite sides of said lower platen, a movable carriage mounted on said rails for movement horizontally along said rails from a position outside of said press to a position between said platens, a loading board movably supported on said carriage, said loading board having an apertured positioning plate and an apertured delivery plate, stop means positioned in the path of said positioning plate to stop said loading board when said positioning plate comes into correct vertical alignment with the mold parts on the lower platen and for holding said loading board stationary while said carriage may be further moved horizontally, said rails having inclined portions for lowering said carriage during continued horizontal movement of the carriage after the loading board has been stopped by said stop means, and means on said carriage for engaging said delivery plate after said carriage has been lowered to a predetermined extent and shifting said delivery plate relative to said positioning plate to cause registry of the apertures in said two plates.

2,365,850
CHANNELED BOXLIKE METALLIC STRUCTURE
John R. Tench, Croton-on-Hudson, N. Y.
Application August 15, 1942, Serial No. 454,950
4 Claims. (Cl. 189—34)



1. A metallic structure comprising a series of channels each having a web and undeformed plate-like flanges integral therewith, said channels being arranged in sidewise relation to each other with a flange of one channel closely engaging a flange of the next succeeding channel, transversely disposed channels each having a web and undeformed plate-like flanges integral therewith with a flange of one transverse channel closely engaging a flange of the next succeeding transverse channel and with the free edges of the flanges of the transverse channels intersecting and integrally united with the free edges of the flanges of the first-named channels by pressure electric resistance welding to form a series of hollow, walled compartments each having a wall in common with that of the next succeeding compartment, means for integrally connecting the meeting edges of the first-named channels adjacent their webs by pressure electric resistance welding and means for integrally connecting the meeting edges of said transverse channels adjacent their webs by pressure electric resistance welding.

2,365,851
PROCESS FOR PRODUCTION OF OXYGEN CONTAINING HYDROCARBONS
Charles A. Thomas, Montgomery County, Ohio, assignor to Monsanto Chemical Company, a corporation of Delaware
Application March 6, 1942, Serial No. 433,590
6 Claims. (Cl. 260—604)



1. The method of oxidizing hydrocarbons to produce formaldehyde which comprises forming a hydrocarbon-air mixture of such proportions so as to contain a proportion of hydrocarbon in amount above the explosive range of said hydrocarbon in air, preheating said hydrocarbon-air mixture to a temperature of incipient oxidation, simultaneously preheating a portion of previously partially oxidized gas comprising "recycle" gas to a temperature above that of said hydrocarbon-air mixture, mixing together said preheated hydrocarbon-air mixture and said preheated "recycle" gas to produce a gas mixture having a temperature intermediate that of said preheated hydrocarbon-air mixture and that of said "recycle" gas, introducing a catalytic material selected from the class consisting of alkyl nitrates, alkyl nitrites and nitroalkanes into said gas mixture and thereupon passing said gas into a zone wherein the gases are maintained for a period of time of less than 0.4 second under substantially adiabatic conditions, without contact of said gases with catalytic material other than said catalytic material, and whereby formaldehyde is formed, flowing said gases from said zone into contact with a cooling agent, withdrawing formaldehyde therefrom and thereafter returning a part of said gases as "recycle" gas for admixture with additional hydrocarbon gas.

2,365,852
PROCESS AND REAGENT FOR DEMULSIFYING OILS
Meyer S. Agruss, Chicago, and Hans Schindler, Evanston, Ill., assignors to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
No Drawing. Application September 17, 1941, Serial No. 411,152
8 Claims. (Cl. 252—336)

6. The method of breaking water-in-oil emulsions which comprises mixing with said emulsions a reagent containing a major portion of sulfonated and neutralized tall oil and a minor portion of a compound selected from the group (1) consisting of aromatic amines, pyridine, quinoline and their substitution products and of a compound selected from the group (2) consisting of polyhydroxy alkyl compounds and their halogen-substituted products, and separating from the mixture an oil and an aqueous layer.

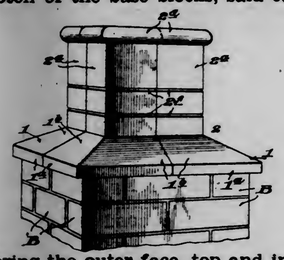
2,365,853
BREAKING OF CRUDE OIL EMULSIONS
Meyer S. Agruss, Chicago, and Hans Schindler, Evanston, Ill., assignors to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
No Drawing. Application April 22, 1942, Serial No. 440,092
17 Claims. (Cl. 252—333)

1. A reagent for use in breaking water-in-oil emulsions comprising substantial amounts of alkali salt of sulfonated tall oil and alkali salt of mahogany sulfonic acid in the ratio of approximately 1 to 4 parts of the former to 4 to 1 parts of the latter.

2,365,854
CHIMNEY COPING
Maurice Albaugh, Quincy, Ohio
Application June 7, 1944, Serial No. 539,111
17 Claims. (Cl. 72—88)

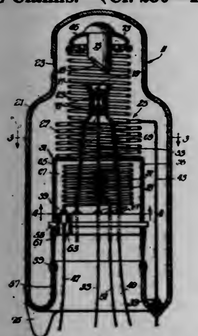
1. In a chimney having an outer facing and a lining extending above the facing; a coping comprising base blocks covering the top of the facing and extending from the lining and having downward lips overlying the outer face of the facing adjacent the upper edge, the tops of the base blocks sloping downwardly and outwardly and having a continuous notch in its inner edge; means for securing the blocks on said outer fac-

ing; and cap members having outer walls seated in the notch of the base blocks, said cap mem-



bers covering the outer face, top and inner face of the lining.

2,365,855
X-RAY TUBE
Zed J. Atlee, Elmhurst, Ill., assignor to General Electric X-Ray Corporation, Chicago, Ill., a corporation of New York
Application December 7, 1942, Serial No. 468,066
8 Claims. (Cl. 250—144)



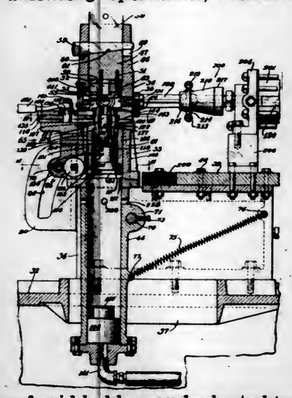
1. An electron flow device comprising a sealed envelope, an anode and cathode in said envelope, a transformer and oscillator means comprising an electron source, a plate and a grid within said envelope, said transformer having a primary winding connected with said plate and outwardly of the envelope, and a secondary winding connected between said plate and said anode and supporting said anode, said electron source being connected with said cathode, and means to energize said cathode and said electron source from a power source outwardly of the envelope.

2,365,856
LUBRICATING OILS
Cyril Henry Barton and Thomas Picton Hughes, London, England, assignors to Shell Development Company, San Francisco, Calif.
No Drawing. Application August 24, 1942, Serial No. 455,870. In Great Britain August 7, 1941
1 Claim. (Cl. 252—39)

Lubricating oil composition comprising lubricating oil and 0.01 to 0.10% by weight of calcium soap of wool olein.

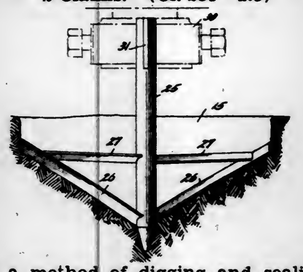
2,365,857
FORGING APPARATUS
Gaspar P. Benes, Euclid, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del., a corporation of Delaware
Application June 24, 1943, Serial No. 492,008
22 Claims. (Cl. 219—3)

1. In a forging apparatus for forming punches, dies and the like, a work holder having work engaging means thereon and a master die holder disposed in an opposed and spaced operative relation and supported for relative approaching movement through a forging stroke and for relative lateral displacement to expose the work engaging means of said work holder for work-loading or unloading operations, means associated



with one of said holders and adapted to cooperate with the other of said holders to afford a heating chamber including the space between said holders, means for heating a work blank in said work holder, and means operable after such a blank has been heated to effect relative movement of said holders through a forging stroke.

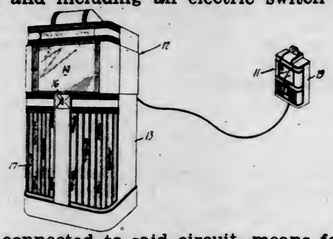
2,365,858
METHOD FOR USE IN EARTH DRILLING OPERATIONS
Robert L. Binkley, San Antonio, Tex., assignor to Olive S. Petty, San Antonio, Tex.
Application July 6, 1943, Serial No. 493,654
2 Claims. (Cl. 255—1.8)



1. In a method of digging and sealing slush pits for use in drilling operations, the steps which comprise rotating and axially displacing a cutting tool downwardly until a pit of the desired depth has been formed, introducing water into the pit, and thereafter rotating the tool rapidly without advance to form a sludge and to forcibly impel the sludge against the walls by centrifugal force to seal the cracks.

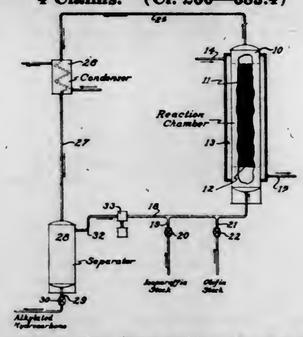
2,365,859
REMOTE CONTROL UNIT FOR MOTION PICTURE MACHINES
Arthur H. Bouterious, Oakland, Calif., assignor to Mills Sales Company, Ltd., Oakland, Calif., a corporation of Nevada
Application August 6, 1941, Serial No. 405,646
4 Claims. (Cl. 88—16.2)

1. A remote control unit for a motion picture machine having associated therewith an electric circuit for starting and stopping the machine to show in succession a plurality of film subjects carried by the machine, comprising, a casing having an opening in the front wall thereof, a transparent pane mounted across said opening, a coin control mechanism carried by said casing and including an electric switch opera-



tively connected to said circuit, means for supporting a plurality of pictures and operative to successively position said pictures behind said pane, and an electrically controlled means for operating said last named means and adapted for electrical connection to said circuit whereby said pictures will be successively moved to said pane as said film subjects are successively shown.

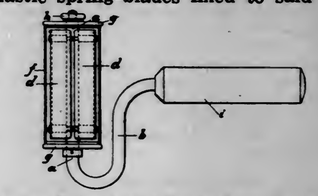
2,365,860
ALKYLATION OF ISOPARAFFINIC HYDROCARBONS
William E. Bradley, Los Angeles, and Karl J. Korpi, Redondo Beach, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application June 18, 1941, Serial No. 398,645
4 Claims. (Cl. 260—683.4)



1. A process for interacting isoparaffinic hydrocarbons having less than seven carbon atoms per molecule with olefin hydrocarbons of more than two and less than thirteen carbon atoms per molecule to produce alkylated hydrocarbons boiling within the gasoline range which comprises commingling said isoparaffinic hydrocarbons with said olefinic hydrocarbons and conveying said mixture through a reaction zone containing a compound selected from the class consisting of solid acid sulphates and mixtures of said solid acid sulphates with acid phosphates.

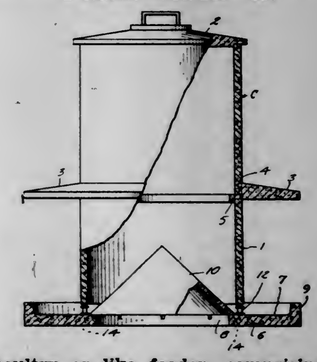
2,365,861
SHAVING APPARATUS
Bertil Johan Brander, Stockholm, Sweden
Application April 17, 1944, Serial No. 531,425
In Sweden April 30, 1943
10 Claims. (Cl. 30—43)

1. A shaving apparatus for dry shaving, having a protecting grid adapted to be pressed against the skin during shaving, a member movable relatively to said grid, one or more extremely thin and elastic spring-blades fixed to said movable



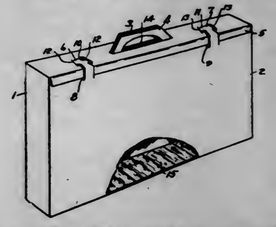
member and, by being braced up in arc-shape against the grid, adapted to hold their cutting edges continuously in contact with the grid with a very weak and elastic spring force.

2,365,862
FEEDER
Lee M. Bufton, Union Grove, Wis.
Application July 26, 1943, Serial No. 496,212
1 Claim. (Cl. 119—53)



A poultry or like feeder, comprising a sectional container, a feeding platform extending beneath and of a diameter exceeding that of the container, and a roof for the platform, said roof being notched to receive and interfit with the sections of the container.

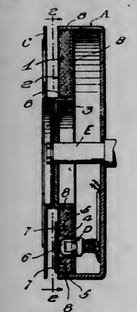
2,365,863
CARTON
Nathaniel Cantor, Brooklyn, N. Y.
Application October 11, 1940, Serial No. 360,760
2 Claims. (Cl. 229—33)



1. In a collapsible carton comprising telescoping box sections integrally united and foldably coupled by a wall portion of the carton, the wall of one box section opposite said coupling wall including at its free edge an inturned flange, the wall part having a coupling tab formed from the material thereof providing in the wall part an aperture, the flange having in alignment with

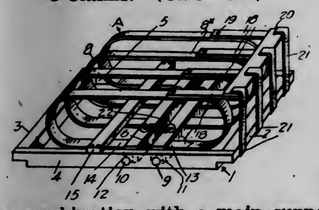
the aperture of said wall part spaced tabs insertable through said aperture to engage the wall part in retaining the flange upon the inner surface of said wall part, the corresponding wall of the other box section having an inturned flange at its free edge, means securing the flange to said wall at a position in alignment with the coupling of the flange with the first named section when the sections are in closed position, and the last named wall having adjacent the coupling means slits for receiving the first named tab in coupling the sections together.

2,365,864
MEANS OF ILLUMINATING TELEPHONE DIALS, ETC.
Harry Edwin Chapman, Galesburg, Ill.
Application March 25, 1942, Serial No. 436,152
3 Claims. (Cl. 240—2.17)



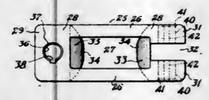
1. Means for illuminating a dial comprising a circular dial having an annular row of identifying characters carried thereon, a flat ring of light distributing plastic material having a light transmitting face positioned adjacent the annular row of identifying characters on the dial, a light modifying film extending over the opposite face of said ring, light opaque means extending over the inner and outer edges of said ring, means extending through a portion of said ring for introducing light rays into the body of said plastic material, and a cover member engageable with a portion of said flat ring for obstructing direct emanation of light rays from said ring.

2,365,865
SPRING SUPPORT FOR UPHOLSTERY AND THE LIKE
Ermin Stuart Copeland, David Bertram Porter, and Walter Van Wyck, Wingham, Ontario, Canada, assignors to Fry & Blackhall, Limited, Wingham, Ontario, Canada, a company of Ontario
Application May 13, 1943, Serial No. 486,758
In Canada February 24, 1943
3 Claims. (Cl. 5—247)



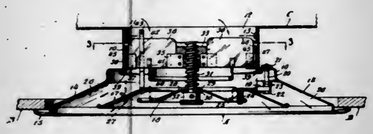
1. The combination with a main support and a plurality of parallel bow springs set with their bow backs uppermost and the extremities of their opposing ends parallel, of a rocking member turnably mounted in the main support to which one end of each bow is secured, a rocking member also turnably mounted in the main support to which the other end of each bow is secured, means for resiliently resisting the turning movement of the rocking members in an outward direction when the bow springs are depressed, and means for preventing the upward movement of either end of the bow while permitting free downward movement.

2,365,866
CHAIN
Ferdinand H. Dalrymple, Bedford, Ohio
Application October 7, 1942, Serial No. 461,184
9 Claims. (Cl. 74—246)



9. A chain link including a skeleton body member with end portions having convex inner end surfaces and lengthwise transversely-spaced bars connected to said end portions to form link openings for sprocket engagement on non-parallel sides of the link and between adjacent bars, the body being further formed for articulate connection with adjacent chain elements.

2,365,867
VOLUME CONTROL FOR DIFFUSERS
George S. Dauphinee, Brooklyn, N. Y., assignor to William B. Connor, New York, N. Y.
Application April 14, 1942, Serial No. 438,897
11 Claims. (Cl. 98—40)

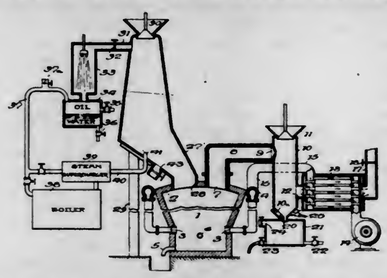


1. In a diffuser having a neck portion for connection to a supply duct and a series of hollow frusto-conical deflecting members connected to said neck portion in spaced, nested relationship to define discharge passages, throttling means comprising a cylinder damper having imperforate side walls telescopically engaging the walls of said neck portion and movable within said frusto-conical members to vary the area of the openings of said discharge passages, and means for moving said damper.

2,365,868
NITROGEN-FIXING BLAST FURNACE
Richard Franchot, Washington, D. C., assignor to Ferro Nitrogen Corporation, Washington, D. C., a corporation of the District of Columbia
Application August 3, 1942, Serial No. 453,446
7 Claims. (Cl. 266—10)

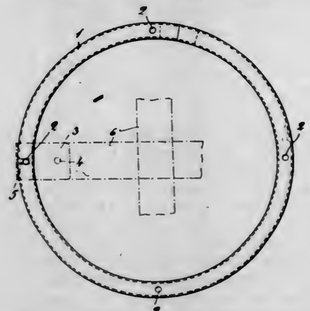
1. A nitrogen-fixing, gas-producing, silicon-reducing hot blast furnace which comprises a bosh and hearth section having air tuyères and means for blowing a blast of preheated air under pressure and a metal outlet at a level below the air tuyères, a roof member forming a top of said section, a gas outlet for withdrawing from the top of said section a major portion of the gases

formed by the air blast, a cyanide-condenser and a heat interchanger preheating the air blast connected in series to said outlet, a separate shaft section having open communication through said roof member with the top of said bosh and hearth



section and provided with solid fuel charging means and means maintaining the gas pressure and regulating the proportions of gas respectively passing from the hearth and bosh section through said gas outlet to said condenser and through said shaft section.

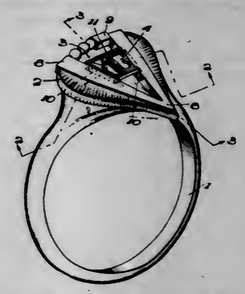
2,365,869
ARRANGEMENT FOR FIXING THE POSITION OF THE STRAP FITTINGS ON THE RING OF THE SNOW HOOP OF A SKI STICK
Nils Jacob Gille, Sandviken, Sweden
Application May 25, 1943, Serial No. 488,416
In Sweden February 20, 1942
1 Claim. (Cl. 280—11.37)



In an arrangement for fixing the position of the strap fittings on a ring appertaining to the snow hoop of a ski stick and made of a metallic tube, said strap fittings having the shape of stirrups which clasp the ring and by means of their legs are fastened to the strap ends, the combination of lugs stamped out in the fittings and introduced into openings in the snow hoop ring and arranged for such a cooperation with said openings that the fittings obtain a certain rotary movability considered in the direction of the stick but are prevented from lateral displacement along the ring.

2,365,870
JEWELRY
Milton Gourse, Knoxville, Tenn.
Application July 30, 1942, Serial No. 452,939
6 Claims. (Cl. 63—15)

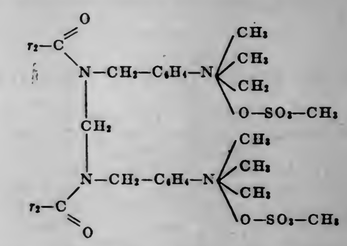
1. In an article of jewelry the combination of a setting having an opening provided with opposed grooves, an ornamental mounting plate adapted to engage in said opening, and spring actuated means on the plate and projecting laterally



therefrom for slidable and lateral engagement in said grooves to detachably secure said plate in the opening in said setting.

2,365,871
CONDENSATION PRODUCTS AND PROCESS FOR PREPARING THE SAME
Charles Graenacher, Riehen, and Richard Sallmann, Bottmingen, Switzerland, assignors to Society of Chemical Industry in Basle, Basel, Switzerland, a firm
No Drawing. Application March 8, 1941. Serial No. 382,456. In Switzerland March 20, 1940
18 Claims. (Cl. 260—401)

18. The compound of the formula



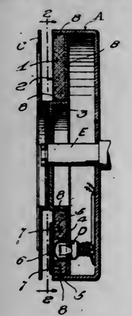
wherein r_2 stands for the alkyl radical of the hardened whale oil fatty acid which is united with the carboxyl group which compound is a water soluble powder the aqueous solutions of which possess a strong wetting and softening power, and is decomposed by boiling with hydrochloric acid.

2,365,872
MEANS FOR CLEANING WELL SCREENS
Norris E. Gunderson, Mishawaka, Ind., assignor to Layne-Northern Company, Incorporated, Mishawaka, Ind., a corporation of Indiana
Application June 15, 1942, Serial No. 447,069
2 Claims. (Cl. 166—20)

1. In apparatus for cleaning the screen of a well, a structure including a tubular well string supported from the ground surface and pumping means operatively connected therewith, a pair of open faced chambers disposed below said string, a pair of pipes secured to, opening into, and extending downwardly from, said string, each pipe respectively carrying adjacent its lower end one of said chambers and opening thereinto, to position said chambers relatively to said string and form passageways between said string and said chambers, said chambers being held by said pipes with their open faces facing outwardly

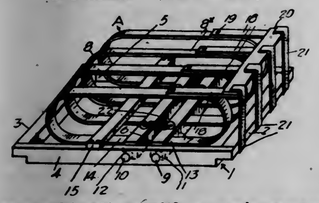
the aperture of said wall part spaced tabs insertable through said aperture to engage the wall part in retaining the flange upon the inner surface of said wall part, the corresponding wall of the other box section having an inturned flange at its free edge, means securing the flange to said wall at a position in alignment with the coupling of the flange with the first named section when the sections are in closed position, and the last named wall having adjacent the coupling means slits for receiving the first named tab in coupling the sections together.

2,365,864
MEANS OF ILLUMINATING TELEPHONE DIALS, ETC.
Harry Edwin Chapman, Galesburg, Ill.
Application March 25, 1942, Serial No. 436,152
3 Claims. (Cl. 240—2.17)



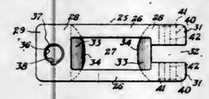
1. Means for illuminating a dial comprising a circular dial having an annular row of identifying characters carried thereon, a flat ring of light distributing plastic material having a light transmitting face positioned adjacent the annular row of identifying characters on the dial, a light modifying film extending over the opposite face of said ring, light opaque means extending over the inner and outer edges of said ring, means extending through a portion of said ring for introducing light rays into the body of said plastic material, and a cover member engageable with a portion of said flat ring for obstructing direct emanation of light rays from said ring.

2,365,865
SPRING SUPPORT FOR UPHOLSTERY AND THE LIKE
Ermin Stuart Copeland, David Bertram Porter, and Walter Van Wyck, Wingham, Ontario, Canada, assignors to Fry & Blackhall, Limited, Wingham, Ontario, Canada, a company of Ontario
Application May 13, 1943, Serial No. 486,758
In Canada February 24, 1943
3 Claims. (Cl. 5—247)



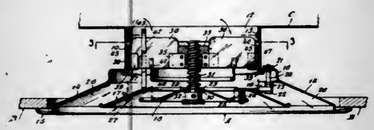
1. The combination with a main support and a plurality of parallel bow springs set with their bow backs uppermost and the extremities of their opposing ends parallel, of a rocking member turnably mounted in the main support to which one end of each bow is secured, a rocking member also turnably mounted in the main support to which the other end of each bow is secured, means for resiliently resisting the turning movement of the rocking members in an outward direction when the bow springs are depressed, and means for preventing the upward movement of either end of the bow while permitting free downward movement.

2,365,866
CHAIN
Ferdinand H. Dalrymple, Bedford, Ohio
Application October 7, 1942, Serial No. 461,184
9 Claims. (Cl. 74—246)



9. A chain link including a skeleton body member with end portions having convex inner end surfaces and lengthwise transversely-spaced bars connected to said end portions to form link openings for sprocket engagement on non-parallel sides of the link and between adjacent bars, the body being further formed for articulate connection with adjacent chain elements.

2,365,867
VOLUME CONTROL FOR DIFFUSERS
George S. Dauphinee, Brooklyn, N. Y., assignor to William B. Connor, New York, N. Y.
Application April 14, 1942, Serial No. 438,897
11 Claims. (Cl. 98—40)

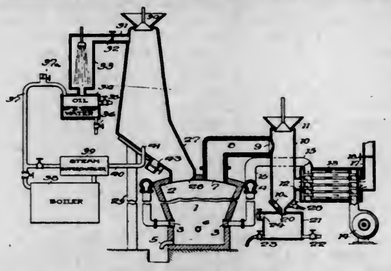


1. In a diffuser having a neck portion for connection to a supply duct and a series of hollow frusto-conical deflecting members connected to said neck portion in spaced, nested relationship to define discharge passages, throttling means comprising a cylinder damper having imperforate side walls telescopically engaging the walls of said neck portion and movable within said frusto-conical members to vary the area of the openings of said discharge passages, and means for moving said damper.

2,365,868
NITROGEN-FIXING BLAST FURNACE
Richard Franchot, Washington, D. C., assignor to Ferro Nitrogen Corporation, Washington, D. C., a corporation of the District of Columbia
Application August 3, 1942, Serial No. 453,446
7 Claims. (Cl. 266—10)

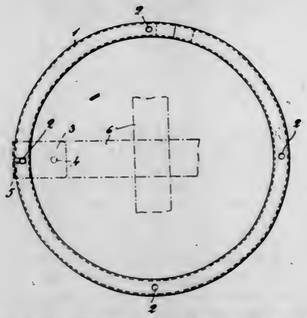
1. A nitrogen-fixing, gas-producing, silicon-reducing hot blast furnace which comprises a bosh and hearth section having air tuyères and means for blowing a blast of preheated air under pressure and a metal outlet at a level below the air tuyères, a roof member forming a top of said section, a gas outlet for withdrawing from the top of said section a major portion of the gases

formed by the air blast, a cyanide-condenser and a heat interchanger preheating the air blast connected in series to said outlet, a separate shaft section having open communication through said roof member with the top of said bosh and hearth



section and provided with solid fuel charging means and means maintaining the gas pressure and regulating the proportions of gas respectively passing from the hearth and bosh section through said gas outlet to said condenser and through said shaft section.

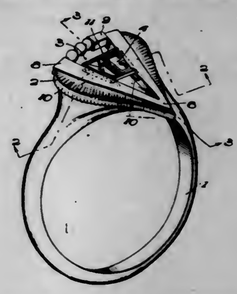
2,365,869
ARRANGEMENT FOR FIXING THE POSITION OF THE STRAP FITTINGS ON THE RING OF THE SNOW HOOP OF A SKI STICK
Nils Jacob Gille, Sandviken, Sweden
Application May 25, 1943, Serial No. 488,416
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1 Claim. (Cl. 280—11.37)



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2,365,870
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Milton Gourse, Knoxville, Tenn.
Application July 30, 1942, Serial No. 452,939
6 Claims. (Cl. 63—15)

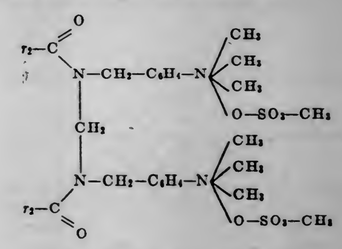
1. In an article of jewelry the combination of a setting having an opening provided with opposed grooves, an ornamental mounting plate adapted to engage in said opening, and spring actuated means on the plate and projecting laterally



therefrom for slidable and lateral engagement in said grooves to detachably secure said plate in the opening in said setting.

2,365,871
CONDENSATION PRODUCTS AND PROCESS FOR PREPARING THE SAME
Charles Graenacher, Riehen, and Richard Sallmann, Bottmingen, Switzerland, assignors to Society of Chemical Industry in Basle, Basel, Switzerland, a firm
No Drawing. Application March 8, 1941. Serial No. 382,456. In Switzerland March 20, 1940
18 Claims. (Cl. 260—401)

18. The compound of the formula

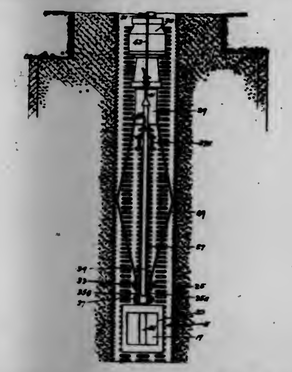


wherein r_2 stands for the alkyl radical of the hardened whale oil fatty acid which is united with the carboxyl group which compound is a water soluble powder the aqueous solutions of which possess a strong wetting and softening power, and is decomposed by boiling with hydrochloric acid.

2,365,872
MEANS FOR CLEANING WELL SCREENS
Norris E. Gunderson, Mishawaka, Ind., assignor to Layne-Northern Company, Incorporated, Mishawaka, Ind., a corporation of Indiana
Application June 15, 1942, Serial No. 447,069
2 Claims. (Cl. 166—20)

1. In apparatus for cleaning the screen of a well, a structure including a tubular well string supported from the ground surface and pumping means operatively connected therewith, a pair of open faced chambers disposed below said string, a pair of pipes secured to, opening into, and extending downwardly from, said string, each pipe respectively carrying adjacent its lower end one of said chambers and opening thereinto, to position said chambers relatively to said string and form passageways between said string and said chambers, said chambers being held by said pipes with their open faces facing outwardly

toward substantially diametrically opposite screen areas, each of said chambers having around its open face a gasket having a screen contacting surface of shape conforming to the periphery of its said screen area, and means carried by said structure manually operable to shift said chambers apart to effect sealing con-

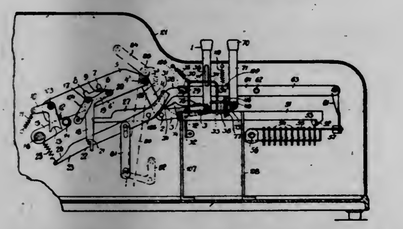


tact of their respective open faces with said opposite screen areas, said means including a camming member disposed in part between said pipes, and having a laterally extending portion, and operating linkage pivotally secured to said extending portion adjacent the outer end thereof, and extending upward along said well string to the ground surface.

2,365,873
ADHESIVE AND METHOD OF MAKING THE SAME
John J. Harris, Chicago, Ill.
No Drawing. Application May 17, 1941, Serial No. 394,017
1 Claim. (Cl. 260—746)

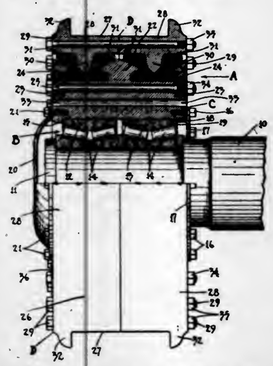
An adhesive composition of the character described comprising, approximately 60% bentonite, 25% rubber latex, 10% magnesium chloride, 4% water-soluble soap and 1% preservative.

2,365,874
COMPUTING MACHINE
Gustaf Hilarius Hellgren, Stockholm, Sweden
Application February 5, 1943, Serial No. 474,876
In Sweden December 22, 1941
6 Claims. (Cl. 235—60)



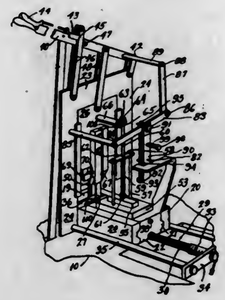
1. In a machine of the class described, the combination with a totaling key, a plurality of differentially movable members, a cyclically operable main shaft, and mechanism for introducing a blank cycle of operation of said main shaft between an actuation of the totaling key and the total-taking cycle of operation of the main shaft; said mechanism comprising locking means movable by the totaling key upon actuation thereof to lock said differentially movable members against displacement, unlocking means movable to restore said locking means to inoperative position, means normally latching said unlocking means against movement, and releasing means including a pair of members operable respectively by said totaling key and said main shaft for releasing said latching means, the shaft-operable member being movable by the key-operable member into position for operation by said main shaft during the second half of the first cycle of shaft operation after an actuation of the totaling key.

2,365,875
CUSHIONED JOURNAL BOX
Arthur J. Hersey and Charles L. Madden, Minneapolis, Minn.
Application May 10, 1943, Serial No. 486,344
4 Claims. (Cl. 308—184)



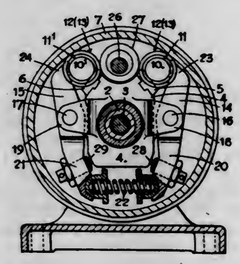
1. A cushioned journal box for a railway truck having a frame, an axle and a bearing mounted against end movement on said axle, said journal box comprising a sleeve mounted against end movement on said bearing, said sleeve having a fixed external annular flange between its ends and axially adjustable end-rings at the extremities thereof projecting radially beyond said sleeve, a sectional casing encompassing and providing an annular space between the same and said sleeve, said casing being slidably guided vertically in said truck frame, each end portion of said casing encircling one of the end-rings and the adjacent annular portion of the annular flange on said sleeve, each end portion of said casing having an internal annular rib thereon axially spaced from said annular flange and its respective end-ring and radially overreaching the same, each end portion of said casing having annularly formed cushioning means of resilient material filling the annular space between such casing portion and said sleeve except at the extreme portions of such space terminating externally of said annular flange and the corresponding end-ring, the cushioning material for each casing portion being flowable along said extreme portions of the annular space within such casing portion under compression induced by its respective end-ring or by relative radial movement between sleeve and casing, such cushioning material for each casing portion serving under all degrees of such compression thereof yieldingly to maintain a normal relation axially between casing and sleeve.

2,365,876
METHOD OF CUTTING AND LOOPING SPRINGS
Carl G. Hicks, Chicago, Ill., assignor to Maurice T. Williams and Ralph E. Williams
Application October 26, 1942, Serial No. 463,377
2 Claims. (Cl. 140—103)



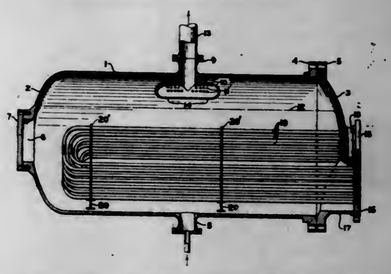
1. The method of forming a helical spring having integral lateral attaching connections at the ends thereof, which comprises coiling a wire into a continuous helical coil that is progressively advanced along a predetermined path away from the coiling area, advancing the coil as it is formed from the coiling station to an end forming station and operating upon a portion of the continuous helically coiled wire to separate the adjoining convolutions by bending said convolutions at an angle to the longitudinal axis of said advancing coiled wire and severing the wire at a point between the convolutions that comprise said ultimate lateral end connections, said separating and severing operations being in predetermined timed sequence.

2,365,877
JAMMING CLUTCH
Bevan Graham Horstmann, Bath, England, assignor to The Sperry Gyroscope Company, Ltd., Brentford, England
Application July 8, 1943, Serial No. 493,853
In Great Britain May 7, 1942
10 Claims. (Cl. 192—44)



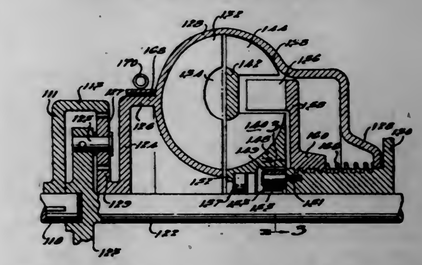
1. In a clutch mechanism having coaxial driving and driven members, roller means wedgingly mounted between said members having an axis parallel to the axis of the members comprising a first roller situated in engaging relation to one of the members, and a coaxial second roller loosely mounted on said first roller situated in engaging relation to the other of the members.

2,365,878
HEAT EXCHANGER
Lyman C. Huff, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application April 20, 1942, Serial No. 439,758
3 Claims. (Cl. 257—239)



1. A waste heat boiler comprising an elongated shell provided with end closure means one of which is detachably secured to said shell, two small tube sheets and one larger tube sheet spaced from the main body portion of and integral with said detachably secured closure means, a plurality of U-bent tubes extending longitudinally within said shell from said detachably secured closure means to adjacent the opposite end, all of said tubes being attached at one end to said larger tube sheet and a portion of them being attached at the other to one of said small tube sheets and the remainder to the other of said small tube sheets, means for directing convective fluid into and out of said tubes, means for introducing liquid into said shell and means for directing generated vapors out of said shell.

2,365,879
TRANSMISSION
Joseph Jandasek, Detroit, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application September 8, 1941, Serial No. 410,001
8 Claims. (Cl. 74—189.5)



1. A transmission comprising a driving shaft, a driven shaft, planetary gearing connecting the shafts, an impeller and a turbine cooperating to form a power transmitting fluid circuit, speed changing and one-way driving means between the turbine and the driven shaft to rotate the driven shaft at a fixed speed ratio between the speeds of rotation of the turbine and driven shaft speeds, said speed changing and one-way driving means being so constructed and arranged that as the turbine is driven by the impeller power may be transmitted from the turbine to the driven shaft and whereby the driven shaft may rotate

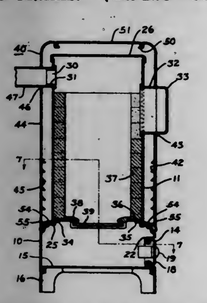
freely within the turbine member at a speed of rotation in excess of the speed of rotation of the turbine, and means connecting the planetary gearing to the impeller whereby the impeller may be driven by the driving shaft, braking means associated with the impeller whereby the impeller may be locked against rotation to render the fluid transmission inoperative and to transmit the entire power from the driving shaft to the driven shaft through the planetary gearing.

2,365,880
MECHANICAL PENCIL
David Juelss, Brooklyn, N. Y., assignor to American Lead Pencil Company, Hoboken, N. J., a corporation of New York
Application March 25, 1944, Serial No. 528,028
10 Claims. (Cl. 120—21)



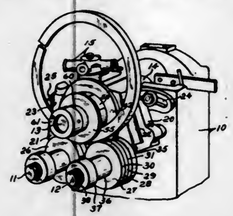
1. In a clutch pencil, a separable unit comprising a point having a bore and a lead gripping collet concealed and secured within the bore.

2,365,881
STOVE
Bertrand B. Kahn, Cincinnati, Ohio, assignor to The Estate Stove Company, Hamilton, Ohio, a corporation of Ohio
Application February 14, 1941, Serial No. 378,963
5 Claims. (Cl. 126—58)



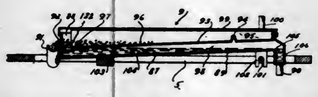
1. In combination, a radiant stove complete in itself and adapted for effective heat transmission by direct radiation when used as a radiant stove, a door for said stove, a door frame, means for pivotally supporting said door at one side of said stove on said door frame with said door projecting laterally a substantial distance beyond the side wall of said stove, a short flue pipe connection for another side of said stove, and a casing readily attachable to and removable from the radiant stove as a unitary assemblage and substantially surrounding the upper portion thereof in spaced relation therewith and with its lower end resting on the lower portion of the radiant stove for converting the radiant stove to one of the circulation type, said casing having an aperture in alignment with said flue pipe providing for access thereto and having a second aperture in alignment with said projecting door, the wall of said casing adjacent said door being located substantially at the hinge line of said door providing for free opening movement of the door in the assembled position of said casing, and the wall of said casing adjacent said flue pipe connection being spaced outwardly therefrom.

2,365,882
BENDING MACHINE
William E. Kane, Syracuse, N. Y., assignor to Kane & Roach, Inc., Syracuse, N. Y., a corporation of New York
Application January 20, 1942, Serial No. 427,487
14 Claims. (Cl. 153—56)



1. In a bending machine adapted for bending angle bars of the type having a pair of bending rolls, a pressure roll positioned to bear on the work between said bending rolls and means for driving said rolls, in combination, a backing plate mounted on the pressure roll shaft adjacent one end of said pressure roll, said backing plate extending beyond the periphery of said pressure roll and overlapping said bending rolls to form a continuous lateral support through the bending zone for the angle bar being bent.

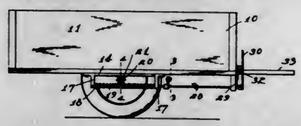
2,365,883
APPARATUS FOR EXTRACTING AND REFINING CITRUS FRUIT JUICES
William R. Ketchum, Phoenix, Ariz.
Application June 13, 1940, Serial No. 340,344
3 Claims. (Cl. 210—53)



1. In apparatus for refining citrus fruit juices, a froth skimmer including, in combination, a rectangular closed case having an upper body compartment and a lower juice levelling compartment separated by an apron, a cover fitting over the top of said upper portion provided with a tube leading to a receiving compartment and adapted to receive juice to be skimmed, a spreader weir extending along one side of said juice receiving compartment adapted to spread juice received in a thin flow over said apron; an apron extending downwardly from said weir at a slight slant from the horizontal longitudinally of the skimmer body terminating with a lip, a trap formed at the lower edge of said apron between the lip thereof and the end of said case body communicating with said juice levelling compartment in the lower portion of said skimmer body, a froth skimming weir adjacent said lower lip of said apron, substantially on a level with said lip, said levelling compartment within said case body being below said apron, extending from said trap to a juice collecting trough along the edge of said case substantially below the said receiving compartment and provided with a juice delivery tube, and means for supporting said case body so that it is maintained horizontal laterally but may be varied from the horizontal longitudinally so that the juice level in the lower compartment may be varied relative to said froth skimming weir including a horizontal supporting frame plate, having a rectangular opening adapted to receive the body of the skimmer, a rod transversely extending

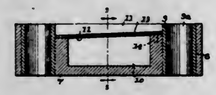
across said opening and pivotally attached to said skimmer body at its juice receiving end, and a sliding stirrup extending transversely of said opening with its ends supported on the edges thereof and its mid portion adapted to support the said body by contact with the underside of its slanting bottom.

2,365,884
VEHICLE
Joseph B. Kucera, Traer, Iowa
Application October 12, 1942, Serial No. 461,697
5 Claims. (Cl. 280—33.4)



1. In a trailer, a frame unit, a rotatable axle positioned transversely of said frame unit, means movably supporting said frame unit on said axle for adjustable movement forwardly and rearwardly of said axle including a track portion on said frame unit supported on said axle, with said axle, on adjustment of said frame unit, being rotatable on said track portion to provide a roller support for said frame unit, means movable with said frame unit and connected with said axle to maintain the axle in said transverse position as said frame is moved, and means for releasably locking said frame unit in an adjusted position against any forward or rearward movement relative to the axle.

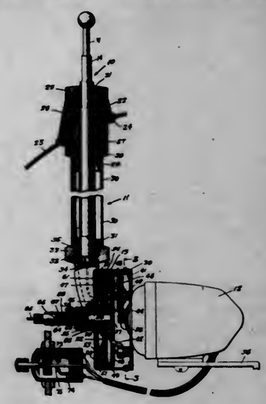
2,365,885
TENTERING CLIP CHAIN
George W. Lane, Clifton, N. J., assignor to Van Vlaanderen Machine Co., Paterson, N. J., a corporation of New Jersey
Application October 21, 1943, Serial No. 507,078
5 Claims. (Cl. 74—257)



1. A chain link having its pivoting axes upright, said link comprising a link body having a socket penetrated by one such axis and porous means in the socket permeable by liquid lubricant and having a bearing bore concentric with one such axis and to receive the bearing of that chain-component which is next to adjoin said link, said body having a lubricant well which at least as to its uppermost portion is partitioned off from said bore only by said means.

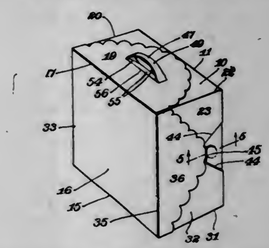
2,365,886
PROJECTABLE ANTENNA
Herbert G. Lehmann, Wood-Ridge, N. J., assignor to Casco Products Corporation, Bridgeport, Conn., a corporation of Connecticut
Application September 14, 1939, Serial No. 294,839
11 Claims. (Cl. 250—33)

1. An antenna structure for vehicles comprising vertically extensible sections of conductible material; and means for extending or contracting said sections, said means including a flexible wire and a storage reel for the same, the reel having a slot in the side thereof through which the wire passes to and from the same and said wire being so arranged relative to said extensible sections that the same pushes the sections to a selected



extended position when unwound from said reel and pulls the sections to a lowered position when wound on the reel.

2,365,887
BOX
Theodore F. Lind, St. Paul, Minn.
Application September 7, 1942, Serial No. 457,550
8 Claims. (Cl. 206—52)

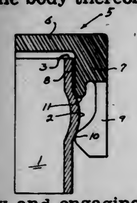


1. A container having a pair of overlying laminations of material, an aperture in the upper lamination, a strap handle cut from the lower of said laminations leaving an aperture therein coinciding with the upper aperture, one end of said strap handle being integrally connected to said lower lamination along a fold line and having a head at the other end designed to engage beneath said lower lamination while said handle is bowed upwardly therefrom out of the plane of said lower lamination extending through said upper aperture, the said upper aperture being of a length substantially equal to the distance between the extremities of said handle in bowed position.

2,365,888
TUBING CLOSURE
Hal R. Linderfelt and Clyde E. Metheny, Oklahoma City, Okla.
Application November 18, 1943, Serial No. 510,820
5 Claims. (Cl. 138—96)

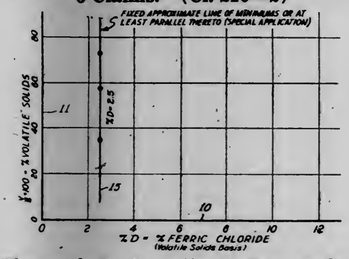
5. As an article of manufacture, a tubing closure and protector including: a body adapted to fit over the tubing end and close the bore thereof; spaced resilient fingers extending from the body and co-acting to surround the tubing; means carried by the ends of the fingers for fric-

tional engagement over an enlargement on the tubing to hold the body thereon; and means car-



ried by the body and engaging the enlargement for limiting movement of the body with relation to the tubing.

2,365,889
PROCESS OF TREATMENT OF SEWAGE
Scott E. Linsley, St. Paul, Minn.
Application February 14, 1941, Serial No. 378,852
6 Claims. (Cl. 210—2)



1. The method of treating sewage sludge comprising treating the sludge with a metallic salt selected from the class consisting of ferric chloride, chlorinated copperas, aluminum sulphate, alum, and ferric sulphate, and filtering the treated sludge, the amount of metallic salt added tothe sludge being determined by first obtaining a sample of the sludge, weighing said sludge sample and evaporating the same to dryness, igniting the residue and reweighing to determine the percent of volatile solids therein, using this value of the weight of volatile sewage solids in the sample in the formula:

$$\%D=(C\div V)100$$

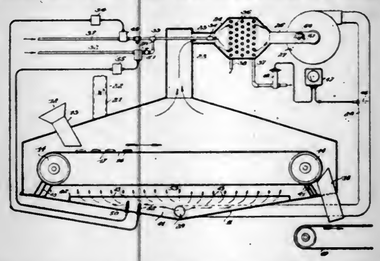
wherein percent D is the percent dosage on a volatile solids basis, C equals the dry weight of metallic salt added to the sludge sample, and V equals the weight of volatile solids in the weight of dry sewage solids in the sludge sample, the sludge mixture by solving for C in the equation: weights being expressed in the same units, determining the value of %D by the above formula, and using this %D as a constant, determining the amount of metallic salt to be added to any

$$C=\frac{\%D\times V}{100}$$

in which %D is the constant determined as previously stated, V equals the weight of volatile solids in the weight of dry sewage in the sludge to be treated, and C equals the dry weight of metallic salt added to the sludge mixture treated.

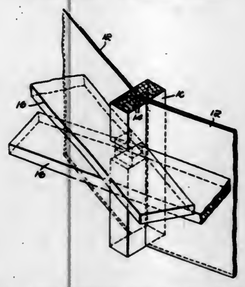
2,365,890
METHOD OF FOOD DEHYDRATION
Douglas M. McBean, Rochester, N. Y.
Application October 5, 1942, Serial No. 460,917
1 Claim. (Cl. 34—15)

In a process of food dehydration a partial drying step which is adapted to be carried out in a continuous manner within a chamber which comprises conveying the food product through the chamber in a continuous flow, creating a slight pressure above atmosphere within the chamber to prevent inflow of air into the chamber, continuously flowing superheated steam at high velocity and substantially free of non-condensable gases through a circuit which includes the chamber and over the surface of the product to vaporize at least the major portion of the moisture therefrom and as the circulation of superheated steam is continued drive the non-condensable gases out



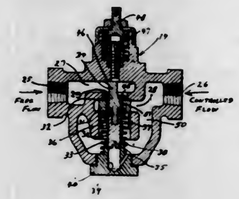
of the chamber, and controlling the supply of moisture and heat to the flowing steam in accordance with the wet and dry bulb temperatures existent within the circuit to cause the wet bulb temperature in the chamber to be as close as possible to the temperature of dry saturated steam at the pressure prevailing in the chamber and thereby cause the vapor pressure within the product to be at such a value that the moisture flows from the interior of the product to the surface substantially as fast as it is vaporized from the surface of the product.

2,365,891
GRAIN BIN
Robert W. McLaughlin, Jr., Bedford Village, N. Y., assignor to American Houses, Inc., New York, N. Y., a corporation of Delaware
Application January 28, 1943, Serial No. 473,826
7 Claims. (Cl. 20—1.2)



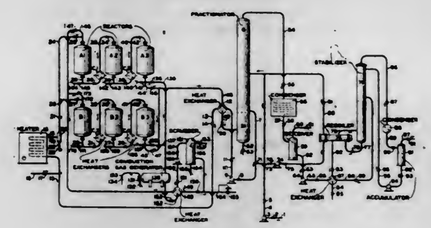
1. A grain bin comprising, in combination, a multiplicity of stud elements, wall-closure panels positioned between and in engagement with said studs, adjacent ones of said panels being angularly positioned with respect to one another, a multiplicity of substantially horizontal ties, each tie being positioned to engage the outer surface of a panel and being notched in its panel engaging edge to interlock with a plurality of adjacent studs, said ties being positioned against the outer faces of said studs and said panels so as to resist, in combination with said studs and panels, the outward thrust of grain within said bin, and a roof for said bin.

2,365,892
SPEED CONTROL VALVE
Roy D. McLeod, Detroit, Mich., assignor to Ross Operating Valve Company, Detroit, Mich., a corporation of Michigan
Application June 14, 1943, Serial No. 490,732
6 Claims. (Cl. 277—44)



1. In a speed control valve for fluid operating systems, a housing having inlet and outlet ports and valve members interposed in said housing between said ports comprising a main one-way biased valve closing a passage between said ports, and a supplemental valve mounted in said main valve closing another passage between said ports, means in said housing for adjusting the position of the supplemental valve with respect to said main valve and for adjusting the position of the main valve with respect to its seat.

2,365,893
CATALYTIC CONVERSION OF HYDROCARBONS
Percy Mather and Lev A. Mekler, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application August 5, 1939, Serial No. 288,510
15 Claims. (Cl. 196—49)



9. In a conversion process wherein heat is periodically stored in a mass of refractory material, reactants to be converted being passed, subsequent to said heating of the mass, in contact therewith to abstract heat therefrom and supply heat to the reactants, the thus heated reactants being subsequently supplied to a zone wherein the desired conversion thereof is effected, the improvement which comprises, passing only a portion of the total reactants being supplied to said conversion zone in contact with said hot refractory mass, commingling the remaining portion thereof with the heated reactants discharged from said mass, supplying the commingled reactants to said conversion zone, and increasing the quantity of the first named portion as the operation progresses and as the hot refractory mass is cooled to maintain the temperature of the commingled reactants being supplied to said conversion zone substantially constant.

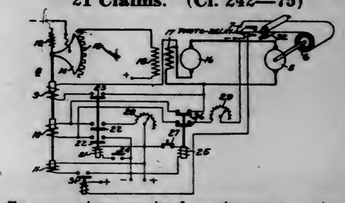
2,365,894
ISOMERIZATION OF NAPHTHENES
William J. Mattox, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application December 17, 1943, Serial No. 514,661
11 Claims. (Cl. 260—666)

11. An isomerization process which comprises contacting an alkylcyclohexane with a silica-containing catalyst under isomerizing conditions and recovering from the reaction products at least one alkylcyclohexane having a different molecular structure and the same molecular weight as the alkylcyclohexane originally charged.

2,365,895
TREATMENT OF HYDROCARBONS
Julian M. Mavity, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application September 28, 1942, Serial No. 459,962
5 Claims. (Cl. 196—52)

1. A process for dehydrogenating hydrocarbons boiling in the gasoline range which comprises subjecting said hydrocarbons to dehydrogenating conditions in the presence of a catalyst comprising a major proportion of titanium oxide and a minor proportion of molybdenum oxide.

2,365,896
CONTROL SYSTEM
Mathias Michel, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application July 3, 1940, Serial No. 343,719
21 Claims. (Cl. 242—75)



1. In a motor control system, a motor, means for controlling the voltage of said motor so as to maintain the current in the armature circuit thereof substantially constant, said means comprising a regulator provided with an element balanced against a bias force when said current is constant, and means for stopping said motor comprising means for decreasing the effect of said bias force.

4. In a control system, a reel for a strip of material, a motor connected to said reel, means for maintaining the armature current of said motor substantially constant, said means comprising a regulator element balanced against a bias force by the effect of a winding provided with a predetermined number of ampere turns when said current is maintained constant, and means operatively responsive to breakage of said strip for increasing said ampere turns of said winding to stop said motor.

2,365,897
VIBRATING MILL
Milton F. Morgan, Shaker Heights, Ohio
Application September 11, 1943, Serial No. 502,054
6 Claims. (Cl. 259—93)

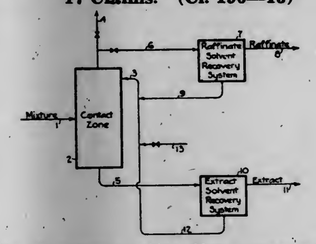
1. A machine of the class described comprising an elongated trough, a rotatable shaft therein

and extending lengthwise thereof, blades on said shaft, yieldable means for maintaining the trough in operative position relative to the shaft and permitting limited, angular movement of the



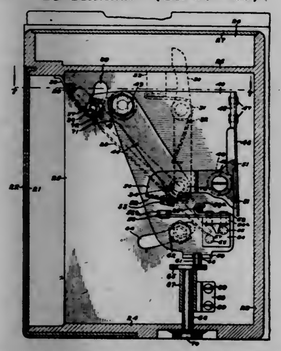
trough relative to the shaft, and means for reciprocating the trough endwise and angularly relative to the shaft within the limits permitted by said supporting means.

2,365,898
SOLVENT EXTRACTION PROCESS
Rupert C. Morris and Norten C. Melchior, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application October 19, 1943, Serial No. 506,918
17 Claims. (Cl. 196—13)



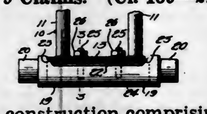
1. In a solvent extraction process for separating a mixture of different organic compounds the steps comprising contacting said mixture with a liquid sulfoxide which is stable at the temperature of contacting to produce a raffinate and an extract and separating said raffinate and extract.

2,365,899
REFLEX CAMERA SYNCHRONIZATION
Louis D. Nadel, Rochester, N. Y., assignor to The Folmer Graflex Corporation, Rochester, N. Y., a corporation of Delaware
Substituted for abandoned application Serial No. 336,073, May 20, 1940. This application April 16, 1943, Serial No. 483,267
18 Claims. (Cl. 67—29)



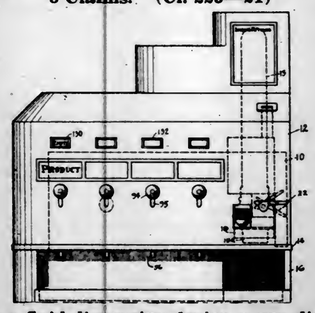
13. In means for accurately synchronizing the operation of a focal-plane roller-supported shutter with the flashing of a photoflash lamp; a camera of the reflex type having a containing casing adapted to be opened and entirely closed, having a focal-plane roller-supported shutter with different exposure areas capacity, having a mirror movable from focusing to picture-taking position, and having means to release the said shutter for making an exposure by such movement of the mirror; electrically controlled photoflash means including a photoflash lamp and an electrical circuit; contacts adapted to be closed to complete the circuit to said lamp and angular motion multiplying means controlled by mirror movement from focusing position toward picture-taking position to close said contacts at a time to cause a flash of the lamp to begin before the shutter begins to open, and to open said contacts by continued mirror movement in the same direction not later than the arrival of the mirror at its picture-taking position.

2,365,900
MAST
Edgar D. Newkirk, Skaneateles, N. Y., assignor to Abal Drilling Corporation, Syracuse, N. Y., a corporation of New York
Application July 1, 1942, Serial No. 449,298
9 Claims. (Cl. 189—21)



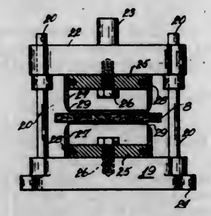
1. A mast construction comprising a base unit, means for supporting said base unit for turning movement on a given single axis, a mast unit wholly supported by said base unit, and releaseable means for rigidly securing said units to each other, said units having coacting spaced engaging portions constructed and arranged whereby said mast unit is movable in a plane substantially coincident with said axis when said securing means is released while said mast is supported by said spaced engaging portions.

2,365,901
FLUID DISPENSING APPARATUS
Bertram T. Perkins, Chicago, Ill.
Application October 4, 1939, Serial No. 297,798
8 Claims. (Cl. 225—21)



8. In a fluid dispensing device, a cup dispensing unit, a fluid dispensing line, a normally closed valve in said line, mechanism for opening said valve including a manually operable impeller movable from initial position to advanced position, a second fluid dispensing line, a normally closed valve in said second line, mechanism for opening the valve in said second line including a manually operable impeller movable from initial position to advanced position in a path spaced from and parallel to the path of movement of the impeller associated with said first named fluid dispensing line, locking means mounted for movement in opposite directions in a path intersecting the path of movement of said impellers and so arranged that movement of a selected impeller from initial to advanced position operates to move said locking means to a position clear of the path of said selected impeller and simultaneously obstructing the path of the other impeller, and coin releasable locking mechanism associated with said cup dispensing unit operable to maintain said impeller locking means in immovable position obstructing the paths of movement of both said impellers.

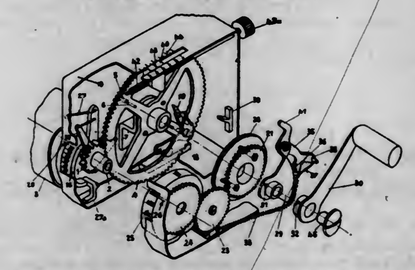
2,365,902
METHOD OF FABRICATING POROUS PRODUCTS
Milton A. Powers, Detroit, Mich.
Application July 12, 1941, Serial No. 402,256
3 Claims. (Cl. 164—17)



1. A method of dividing a somewhat brittle and frangible sheet of material into a plurality of parts, comprising the steps of making two aligned cuts of approximately equal depths from opposite sides of the sheet, while controlling the depths of said cuts so that they almost but yet do not quite meet adjacent the central plane of the plate, and thereafter breaking the sheet into a plurality of parts along the line of cuts

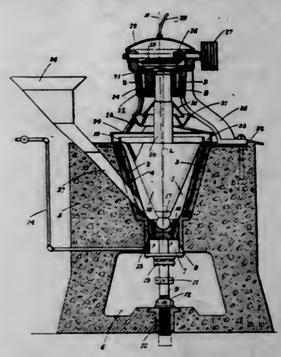
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2,365,903
PAPER END INDICATOR FOR TYPEWRITERS
Giuseppe Prezioso, Yverdon, Switzerland, assignor to E. Paillard et Cie S. A., a corporation of Switzerland
Application August 7, 1941, Serial No. 405,876
In Switzerland February 6, 1941
6 Claims. (Cl. 197—189)



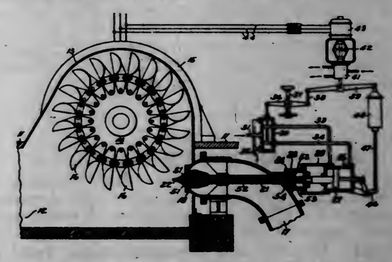
1. In a typewriter, the combination including, a platen and a platen shaft mounted for rotatable sheet feeding movement, a sheet starting indicator, a pinion fixed on the platen shaft, a master gear meshing with said pinion, a gear train connecting said starting indicator with the master gear whereby said starting indicator and master gear move in step by step relation, manually operated means for initially moving said platen and master gear through a part of their respective cycles and also correspondingly move said starting indicator through said gear train, a sheet end indicator, and means on the master gear for actuating said sheet end indicator as the sheet approaches the end of its travel over the platen.

2,365,904
PULVERIZING MILL
Abner J. Peake, Stockton, Calif.
Application October 24, 1942, Serial No. 463,154
4 Claims. (Cl. 83—10)



1. A pulverizing mill including means forming an upstanding chamber of circular form in plan and having an upwardly flaring side wall, a rotary pulverizing member in said chamber of smaller diameter than the chamber and substantially engaging the chamber wall at one point only at the top of the latter, means to feed material to the chamber adjacent its lower end, and separate means to supply fluid under pressure to the chamber adjacent the bottom thereof.

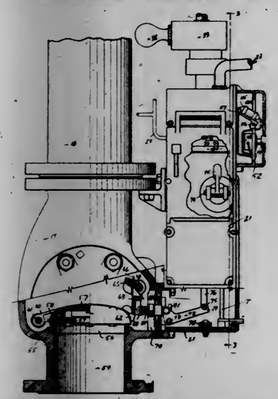
2,365,905
HYDRAULIC TURBINE GATE BALANCER
William J. Rheingans, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application March 11, 1942, Serial No. 434,223
12 Claims. (Cl. 253—24)



1. In a device for balancing the forces acting on a gate controlling the flow of water under pressure in a conduit and having a tendency to move in a closing direction, said conduit having points of substantially constant and variable pressure, a cylinder connected with said points of substantially constant and variable pressure, and a piston movable in said cylinder and connected with said gate for balancing the varying

forces acting thereon, one side of said piston being subjected to the constant pressure to oppose the tendency of said gate to move in said closing direction and the other side of said piston being subjected to the variable pressure to assist the tendency of said gate to move in said closing direction.

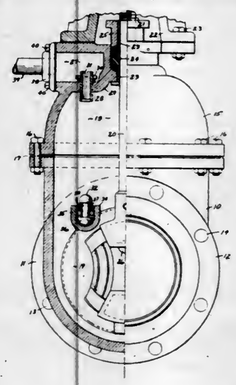
2,365,906
AUTOMATIC DELUGE SPRINKLER SYSTEM
Harry N. Rider, Youngstown, Ohio, assignor to "Automatic" Sprinkler Company of America, Youngstown, Ohio, a corporation of Delaware
Application April 28, 1942, Serial No. 440,781
3 Claims. (Cl. 169—17)



1. In a fire extinguishing system having distributing pipes having open sprinklers thereon, a main valve having a clapper normally held in closed position by movable detent means and adapted to admit fluid to the distributing pipes when freed by movement of said detent means, a releasable actuating weight suspended above said detent means and cooperable therewith to free said clapper when released, a movable latch carried by said weight and engageable with a releasing member arranged to normally support said weight and operable to disengage said latch, electrical means for operating said releasing member, and independent means for freeing the latch to permit the weight to fall while the controlling releasing member is in position, said independent means for freeing the latch comprising a vertically disposed bar positioned adjacent the said movable latch and adapted to be moved vertically and having means adapted to disengage the said movable latch from the said releasing member so as to permit the weight to fall.

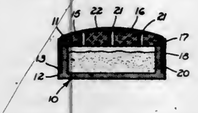
2,365,907
GATE VALVE WITH MONITOR
Harry N. Rider, Youngstown, Ohio, assignor to "Automatic" Sprinkler Company of America, Youngstown, Ohio, a corporation of Delaware
Original application April 28, 1942, Serial No. 440,781. Divided and this application April 10, 1943, Serial No. 482,659
3 Claims. (Cl. 277—8)

3. In a fluid valve comprising a structure having a fluid passageway therethrough and a movable closure for closing the said fluid passageway, a monitor valve in association therewith for controlling a secondary fluid passageway from the said fluid valve, the said monitor valve comprising a monitor valve element mounted on the said movable closure, and a tubular fitting positioned in the valve body and defining a passageway to



the exterior thereof and adapted to be closed by the said monitor valve element when the said movable closure is in full-open position.

2,365,908
COSMETIC POWDER CONTAINER AND DISPENSER
Garland D. Runnels, Seattle, Wash.
Application February 23, 1942, Serial No. 431,918
8 Claims. (Cl. 15—131.1)

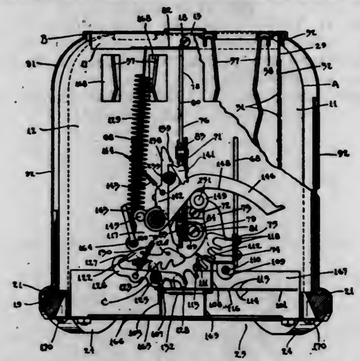


1. A cosmetic powder dispenser of the character described, comprising: a receptacle having an opening; a powder-pervious dispensing sheet secured across said opening; and a body supported by the receptacle across said opening, said body lying against the inner face of said sheet and being formed with a plurality of radially disposed passages in the outer face of said body for powder movement laterally of said sheet along the inner face of the sheet, said body having at least one aperture therethrough in communication with said radially disposed passages to permit powder to flow through the body and along said radially disposed passages for release through said sheet.

2,365,909
FOOD COOKING DEVICE
Robert Sardeson, Minneapolis, Minn., assignor to Harold C. Genter, Miami Beach, Fla.
Application August 12, 1939, Serial No. 289,905
22 Claims. (Cl. 99—329)

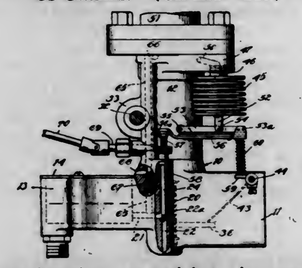
1. In a food cooking device, heating means, food shifting means for moving the food toward and from the heating means, resilient means for moving the food shifting means from operative to inoperative position, a latch for holding said food shifting means in its operative position, a movable member adapted to move during a cooking period, said member being movable in opposite directions, resilient means for urging movement of said movable member in one direction, said movable member when moved in such

direction disengaging said latch, a detent for restraining movement of said movable member,



and a timing mechanism for moving said detent out of restraining position at the end of a cooking cycle.

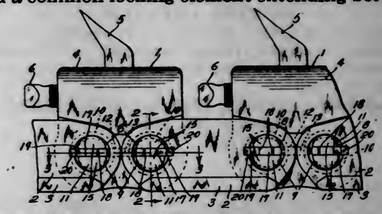
2,365,910
CARBURETOR
Ernest H. Shaff, Grand Haven, Mich., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application March 13, 1930, Serial No. 435,394
33 Claims. (Cl. 123—119)



1. A carburetor comprising, in combination, a hollow body having intake and discharge openings, a fuel discharge member in said body, a throttle valve for said discharge opening, means providing a primary air passage constantly open during operation of the engine from said intake opening past said member, means providing a secondary air passage from said intake opening into said body, a flap type air valve for controlling said secondary air passage, and means for controlling said flap valve comprising a movable diaphragm adapted to be connected at one side to an engine manifold so that said throttle valve lies between said fuel discharge member and the point of connection of said diaphragm with the manifold, and resilient means forming an operative connection between said diaphragm and said flop valve, and tending yieldingly to move said valve toward closed position when the suction in the engine is reduced.

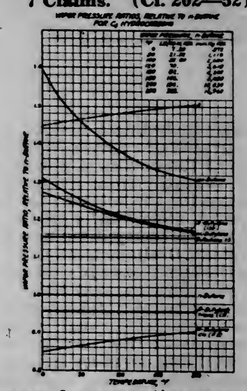
2,365,911
PIVOTED LINK CHAIN
Leon E. Simmons, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
8 Claims. (Cl. 74—254)

1. In a pivoted link chain, a chain element having transverse bores, bushings fitted in said bores, and a common locking element extending between



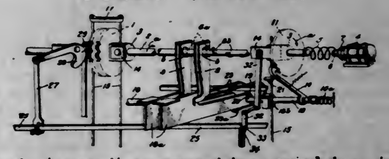
said bushings for holding the latter against rotation in said bores.

2,365,912
DISTILLATION PROCESS
Mott Souders, Jr., Piedmont, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application August 14, 1942, Serial No. 454,879
7 Claims. (Cl. 202—52)



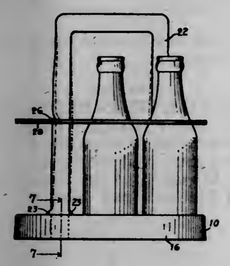
1. A process for separating normal butane and a beta butylene, which comprises subjecting a hydrocarbon mixture containing normal butane and a beta butylene to a fractional distillation at a pressure substantially below atmospheric pressure, but above 200 mm. absolute in the presence of a non-polar solvent selective for the beta butylene and boiling substantially higher than said hydrocarbon mixture.

2,365,913
TYPEWRITER PROVIDED WITH TYPE WHEEL OR TYPE ROLLER
Tor Stenfors, Djursholm, Sweden
Application November 29, 1940, Serial No. 367,843
In Sweden November 30, 1939
3 Claims. (Cl. 197—18)



1. A typewriter comprising revolving type-wheel means, driving means for said type-wheel means, a catching device for stopping the type-wheel means in relation to the printing positions, said catching device including settable catching members and finger keys for setting the catching members, the catching members of said device being in frictional engagement with the keys in order to allow some motion of the keys in relation to the catching device.

2,365,914
BOTTLE CARRIER
Robert G. Stigler, Harrison Township, Montgomery County, Ohio, assignor to Standard Molding Corporation, Dayton, Ohio, a corporation of Ohio
Application July 21, 1941, Serial No. 403,385
1 Claim. (Cl. 224—48)



A bottle carrier including a molded base member having a plurality of recesses in the top thereof one for each of the bottles, a plurality of cavities projecting upwardly from the under side between the recesses for the bottles, said base member having a pair of downwardly projecting bosses each provided with a hole extending through the top, an inverted U-shaped slightly resilient handle having the legs seated in said holes, means for fastening said legs in said holes, the outer margins of the legs being notched, and a retaining member having a slot through which the legs project, the notches in the margins of the legs engaging the retaining member held in position by the legs being flexed toward each other while inserting the retaining member so as to cause the notches to engage the ends of the slot, said retaining member having a plurality of holes one for each of the bottles so as to cooperate with the base to hold the bottles in position.

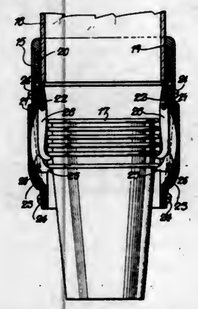
2,365,915
EMULSIFYING AGENT AND PROCESS FOR MAKING SAME
James Earl Taylor, Louisville, Ky., assignor to The Procter and Gamble Company, Ivorydale, Ohio, a corporation of Ohio
No Drawing. Application August 26, 1942, Serial No. 456,275
3 Claims. (Cl. 260—397.2)

1. An emulsifying agent comprising a mixture of sterols derived from lanolin and alcohols corresponding to fatty acids of the esters of lanolin.

2. An emulsifying agent comprising a hydrogenated mixture, substantially free from olefinic double bonds, of sterols derived from lanolin and alcohols corresponding (except as to saturation of olefinic double bonds) to fatty acids of the esters of lanolin, said agent being formed by catalytic hydrogenation, at relatively low temperature and pressure, of the composition of claim 1.

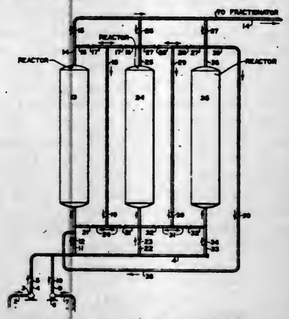
3. A process of preparing an emulsifying agent, which comprises reacting litharge with the esters of lanolin to form lead soaps of the ester fatty acids and to liberate sterols, and subjecting the resulting mixture, to reaction with hydrogen at elevated temperature and pressure to convert said fatty acids substantially to the corresponding alcohols.

2,365,916
MECHANISM FOR DISPENSING CUPS OR THE LIKE
Clifford B. Terry, Flushing, and Sixten I. Johnson, College Point, N. Y., assignors to Lily-Tulip Cup Corporation, New York, N. Y., a corporation of Delaware
Application June 20, 1941, Serial No. 398,868
12 Claims. (Cl. 312—43)



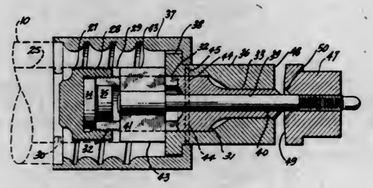
1. Apparatus for dispensing cups or the like from a stack thereof, comprising a freely pivotally supported latch having a rim-engaging portion normally disposed in the path of movement of the cup rims for supporting the lowermost cup and releasable solely upon pulling the cup downwardly, and a freely pivotally supported member having a rim-engaging portion normally disposed in the path of movement of the cup rims, interactuating means providing a common driving connection respectively from said latch to said member and from said member to said latch, whereby said member is controlled as to position by said latch to support the next lowermost cup during the releasing action of the latch, and said member in turn being then operable solely by the weight of the stack thereon to restore the latch and to release said next cup onto the latch.

2,365,917
ISOMERIZATION OF HYDROCARBONS
Charles L. Thomas, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application January 16, 1942, Serial No. 426,952
5 Claims. (Cl. 260—683.5)



1. A process for isomerizing saturated hydrocarbons which comprises passing a stream of the saturated hydrocarbons at isomerizing conditions in contact with a body of metal halide catalyst of the Friedel-Crafts type in the presence of a hydrogen halide until the catalyst is substantially spent with respect to its isomerizing ability, thereafter combining regulated amounts of a non-volatile mineral acid with said stream of hydrocarbons and passing the mixture in contact with the body of spent catalyst to generate hydrogen halide, continuing the latter treatment until the metal halide is substantially consumed and, during the period of said hydrogen halide generation, passing the resultant streams of saturated hydrocarbons and hydrogen halide in contact with a second body of the metal halide catalyst of higher activity than the body of spent catalyst.

2,365,918
DIMPLING TOOL WITH INTERCHANGEABLE HEAD
Eugene F. Tuttle, North Hollywood, Calif., assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif.
Application September 22, 1942, Serial No. 459,327
9 Claims. (Cl. 153—21)



1. In a tool for die forming work articles comprising apertured plates, the combination of: a pneumatic gun with a percussion piston; a die support having a work engaging face and detachably secured to the outer end of the gun; a hollow bored die axially movable with respect to the piston and slidably secured in the support in position to receive the blows of the percussion piston and arranged to move forward in forming contact with the work article while the work article is held against work engaging face; a tension rod in the bore of the die, said rod projecting forwardly of the die and being held against forward movement by said support; an anvil member independent of the work article cooperating with said die and securable to the forward end of said rod forwardly of the work article; and means associated with said rod for pulling the anvil member toward the support to clamp the work article thereagainst.

2,365,919
AGENTS SUITABLE FOR IMPROVING LUBRICANTS
Robert Uloth and Martin Mueller-Cunradi, Ludwigshafen-on-the-Rhine, Germany; vested in the Alien Property Custodian
No Drawing. Application April 28, 1939, Serial No. 270,650. In Germany January 29, 1935
12 Claims. (Cl. 252—56)

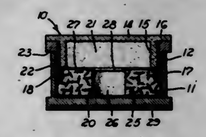
1. A composition of matter essentially comprising a lubricating oil having an undesirably high pour point and a polymerization product which has been obtained by treating soy bean oil at a temperature of about 130° C. for about one hour with about 2.8% by weight of boron fluoride until that amount of boron fluoride has been absorbed which is necessary to produce polymers which are soluble in said lubricating oil and capable of materially depressing the pour point of that lubricating oil when dissolved therein.

2,365,920
METHOD FOR PRODUCING POWDER PUFFS
Albert E. Vaughn, Los Angeles, Calif.
Application January 24, 1941, Serial No. 375,821
15 Claims. (Cl. 226—19)



1. A method including the use of a support with plural recesses for fabricating from two sheets a plurality of envelopes containing masses of powdered material, one of said sheets being porous to permit egress of said powdered material therethrough, said method comprising the steps of: spreading one of said sheets on said support and pressing the sheet into said recesses to form a plurality of pockets; pressing said sheet against said support annularly of said pockets to resist deepening of said pockets and at the same time pressing masses of said powdered material into said pockets; releasing the pressure on each of said masses of powdered material; placing a covering sheet over said supported sheet and said masses of the powdered material while said pressure is released; bonding said sheets together around said pockets; and cutting the bonded sheets around said pockets to release the pockets as individual envelopes.

2,365,921
CONTAINER FOR COSMETIC POWDER
Albert E. Vaughn, Los Angeles, Calif.
Application October 24, 1941, Serial No. 416,326
10 Claims. (Cl. 15—131.1)

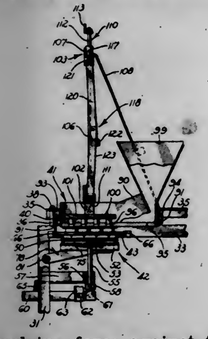


1. A powder container of the character described, comprising: an open-top receptacle adapted to hold a mass of powder, said receptacle including a bottom wall and an annular side wall, the end of said side wall being reduced in thickness to provide a transverse shoulder; a removable transverse support telescopically mounted upon the shouldered end of said annular side wall in spaced relation to said bottom wall, said support having at least one opening to permit powder to pass therethrough; a cushion engaging the outer side of said support, said cushion also having at least one aperture for permitting powder to pass therethrough; and a flexible sheet covering said cushion, said sheet being pervious to the powder to permit the powder to be dispensed therethrough.

2,365,922
METHOD FOR PRODUCING POWDER PUFFS
Albert E. Vaughn, Los Angeles, Calif.
Application May 6, 1942, Serial No. 442,002
11 Claims. (Cl. 226—19)

1. A method of producing an envelope from sheet material and encasing in the envelope in the course of manufacture thereof a predetermined mass of powder, said method including the steps of; compressing the mass of powder into temporary coherence, thereby forming a temporary tablet; placing the temporary tablet between

two layers of sheet material; bonding the two layers together to form a closed envelope without substantially disturbing said coherence, thereby avoiding spreading the powder into the bonding



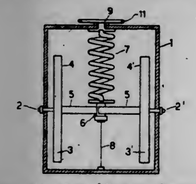
zone; and applying force against the outside of the envelope to break up said tablet into powder form and to redistribute the powder content of the envelope to minimize strains in the sheet material across the bonded areas of the envelope.

2,365,923

PRESSURE GAUGE OF THE ANEROID TYPE FOR PRESSURE MEASURING IN GAS OR LIQUID

Erik Alvar Wilkenson and Per Torsten Faxén, Linkoping, Sweden, assignors to Svenska Aeroplan Aktiebolaget, Linkoping, Sweden

Application May 8, 1942, Serial No. 442,276
In Sweden February 7, 1941
5 Claims. (Cl. 73—386)



1. A device of the character described comprising a rotatable shaft, at least two aneroid capsules disposed around said shaft, at least one flexible member connecting said capsules with the shaft for applying rotation to the shaft when the capsules are compressed, said capsules being so disposed around the shaft that turning forces applied to said shaft oppose lateral displacement of said shaft, at least one coil spring co-axial to the shaft having one end connected to one end of the shaft and the opposite end mounted for rotation or adjustment applying a turning force to said shaft in opposition to the turning force applied by said capsules.

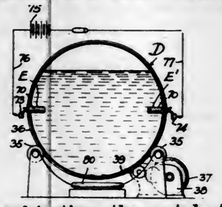
2,365,924

PROCESS OF PRESERVING FRESH FOOD PRODUCTS

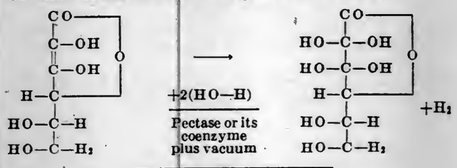
Ralph S. Willard, Glendale, Calif., assignor to Sunlite Fruit Juices Ltd., Hollywood, Calif., a corporation of California

Application November 21, 1941, Serial No. 420,003
8 Claims. (Cl. 99—155)

1. The process of preserving vitamin C which comprises: subjecting to the action of a vacuum a natural substance containing vitamin C; heating and agitating the substance while vacuumized; and exposing the vacuumized substance to the catalytic action of a water-insoluble metallic



oxide while subjecting the catalyst and substance to an electric current until the structure of the vitamin C is changed as follows:

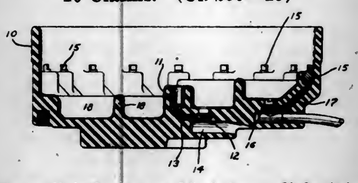


2,365,925

ELECTRICAL DISTRIBUTOR

Emil Zoerlein, John L. McCloud, and John A. Mickey, Dearborn, Mich., assignors to Ford Motor Company, Dearborn, Mich., a corporation of Delaware

Application June 2, 1942, Serial No. 445,462
10 Claims. (Cl. 200—19)



6. In a distributor molded from dielectric material, a compartment forming an enclosure for a high tension electric spark, the interior of said compartment having a thin enamel coating applied thereto, the essential ingredient of said enamel being melamine resin.

2,365,926

ELECTRICAL DISTRIBUTOR AND COMPOSITION THEREOF

Emil Zoerlein, John L. McCloud, and John A. Mickey, Dearborn, Mich., assignors to Ford Motor Company, Dearborn, Mich., a corporation of Delaware

No Drawing. Application January 8, 1943, Serial No. 471,744
8 Claims. (Cl. 200—19)

2. In an ignition system for an internal-combustion engine, a plastic distributor cap having high-tension conductors imbedded therein, said plastic composed substantially of melamine-formaldehyde resins and characterized by high resistance to surface deterioration under tracking.

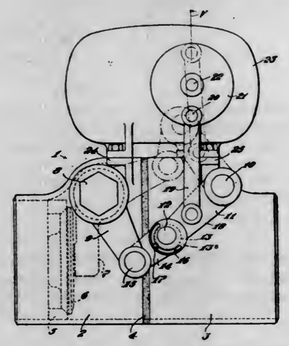
2,365,927

VALVE DEVICE

Earle F. Allen, Boston, Mass., assignor to Manning, Maxwell & Moore, Incorporated, New York, N. Y., a corporation of New Jersey

Application May 31, 1943, Serial No. 489,127
2 Claims. (Cl. 251—10)

1. In combination in a valve device having a seat and a valve head cooperable with the seat, a valve stem journaled to turn about an axis parallel to the plane of the valve seat, rigid means connecting the valve head to the stem, a rock arm fixed to the stem, a shaft having its axis parallel to that of the valve stem, a lever mounted to swing about the axis of said shaft, journal means for the valve stem and shaft, said journal means being constructed and arranged to maintain the axis of the stem and shaft at a predetermined fixed distance apart, a link connecting the free ends of the rock arm and lever, the link and lever constituting a toggle, a connecting rod having one end pivotally connected to the lever, a crank pin arranged to move in a circular path to which the other end of the link is connected, and means operative to move the crank pin intermittently always in the same direction through successive arcs each of 180°, and means operative to vary the effective length of the link.

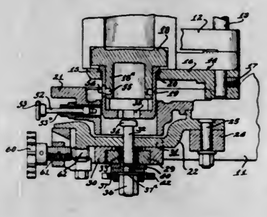


2,365,928

MOLD CARRYING MECHANISM

Russell G. Allen, Alton, Ill., assignor to Owens-Illinois Glass Company, a corporation of Ohio

Application September 13, 1941, Serial No. 410,729
8 Claims. (Cl. 49—41)



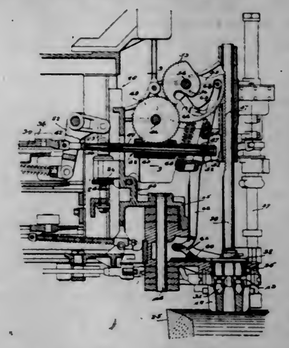
3. The combination of a sectional mold, a hinge pin plate, a hinge pin carried by said plate, the mold sections being hinged to swing about said pin to mold opening and closing positions, a mold bottom plate, a mold bottom support on which the mold bottom plate is seated, a mold supporting plate on which the mold sections are directly supported and on which the hinge pin plate is carried, and a holding device mounted in the mold supporting plate and releasably engaging the mold bottom plate and holding it seated on said mold bottom support, said mold bottom support having a portion engaging said hinge pin plate and holding the latter on said mold supporting plate.

2,365,929

MACHINE FOR BLOWING HOLLOW GLASSWARE

Russell G. Allen and Charles B. Smith, Alton, Ill., assignors to Owens-Illinois Glass Company, a corporation of Ohio

Application August 27, 1942, Serial No. 456,354
3 Claims. (Cl. 49—5)



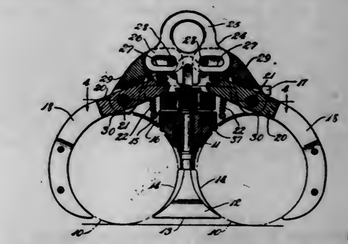
1. The combination of a rotatable mold carriage, a dip frame mounted for up-and-down movement thereon, a mold on said frame, a plunger positioned over the mold and adapted to be projected into the mold, a vertical plunger rod carrying the plunger, a stationary cam, a cam follower roll running on the cam, a slide carrying said roll, a driver pivoted to said slide and comprising a horizontally disposed rack bar, a pinion positioned over and running in mesh with said rack bar, a shaft journalled in the dip frame and on which said pinion is mounted, a hanger suspended from and carried by said shaft and providing a bearing in which the rack bar is slidably mounted and held in mesh with said pinion, and gearing interposed between said pinion and the plunger rod and providing a driving connection between said pinion and rod.

2,365,930

APPARATUS FOR HANDLING SHELLS AND SIMILAR OBJECTS

Marcel J. Bayhi, Texarkana, Ark., and Albert E. Lilja, Texarkana, Tex., assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

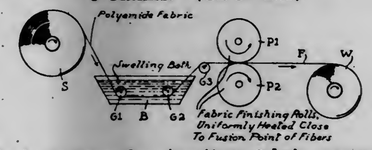
Application March 31, 1943, Serial No. 481,186
13 Claims. (Cl. 294—87)



12. Apparatus of the character described comprising two object-supporting elements adapted cooperatively to support an object therebetween, one of said elements being rotatable about a generally vertical axis to move a portion thereof into and out of object-supporting position, the other of said elements being swingable toward and

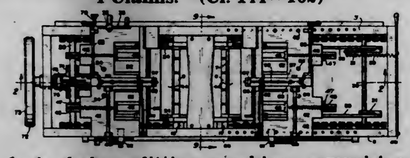
away from said axis to move the second element into and out of its cooperative object-supporting position, and means for so moving said elements.

2,365,931
FINISHING OF POLYAMIDE FABRICS
Ernest B. Benger, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application February 13, 1941, Serial No. 378,835
9 Claims. (Cl. 8—136)



3. A process for treating fabric comprising synthetic linear polyamide fibers having a fusion temperature of at least 200° C. to impart to said fabric an improved resilience and a crease resistance which are not destroyed by subsequent laundering, said process comprising the steps in the manufacture of the finished fabric for submission to the trade which consists of uniformly treating said fabric with a swelling agent and then heating the treated fabric uniformly and simultaneously over its entire width by pressing the fabric over its entire width against a heated surface and under essentially constant pressure between the fabric and heated surface until the temperature of said fabric is at least 190° C. and with the range of 5° to 25° C. below the fusion point of said polyamide fibers, and discontinuing said heating before the fabric has been weakened substantially.

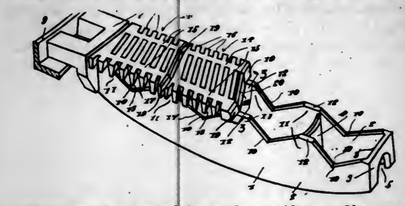
2,365,932
ART OF SPLITTING SHAKES AND A MACHINE THEREFOR
Richard E. Bierd, Seattle, Wash.
Application September 29, 1942, Serial No. 460,141
4 Claims. (Cl. 144—162)



1. A shake splitting machine, comprising: a bed-frame, a reciprocal carriage mounted in said frame and having a splitting knife, means for reciprocating said carriage in said frame, a resilient downwardly acting pair of workholder means adapted to engage a block by both its ends simultaneously for splitting upon a pass of said reciprocal splitting knife, and means for indexing independently one of said workholder means for re-engaging and pressing one end of said block downward upon the completion of the splitting of a shake from said block.

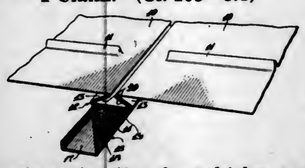
2,365,933
GRATE BAR
Adolph E. Binder, Spokane, Wash.
Application May 13, 1942, Serial No. 442,803
1 Claim. (Cl. 126—168)

In a grate bar, a frame having side walls spaced from each other transversely of the frame and having flat horizontally extending upper edge faces and V-shaped recesses between said upper edge faces, and grate members removably supported upon the upper edge faces of the side walls in end to end relation to each other and depending V-shaped webs fitting into said recesses, said grate members having confronting end faces each formed with a diagonally extending intermediate



portion and straight end portions disposed at right angles to the length of the frame to prevent shifting of the grate members transversely of the frame by cam action of the diagonal intermediate portions of the end faces when the grate members are expanded by heat.

2,365,934
TRAILER OR TRUCK ROOF STRUCTURE
James J. Black, Cincinnati, Ohio, assignor, by mesne assignments, to The Trailer Company of America, Cincinnati, Ohio, a corporation of Delaware
Application August 12, 1941, Serial No. 406,512
1 Claim. (Cl. 108—5.4)



In a roof construction for vehicles, a plurality of metal sheets disposed transversely of the vehicle, said sheets having downwardly extending flanges formed along the end edges thereof, a series of cross rail members disposed beneath said metal sheets, said cross rail members being of general Z configuration and including flanges extending laterally in opposite directions, a connecting strip disposed on the upper surface of each of the upper flanges and welded thereto, said connecting strips including flanges along the side edges thereof for interlocking with the flanges on the edges of the metal sheets, said interlocked flanges when disposed substantially flush with the upper surfaces of the connecting strips forming a substantially continuous upper surface with the edges of adjoining sheets in close proximity one to the other.

2,365,935
CLAMP
Beryl A. Boggs, Portsmouth, Va.
Application January 21, 1944, Serial No. 519,234
3 Claims. (Cl. 248—229)

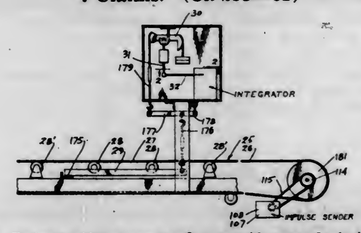


1. A clamp of the character described comprising an elongated casing having openings therein for the passage of an article to be held, a pair of jaws in the casing for receiving the article therebetween and engageable therewith, means for closing the jaws on the article, a member mounted in the casing and projecting therefrom, said member having an opening therein for the passage of another article to be held, said member further having a bore therein communicating with the casing and with the second-named opening, and means in the bore operable by one of the jaws for securing the second-named article in the opening of said member.

2,365,936
POLY-β-CYANOETHYL INDENE AS AN INSECTICIDE
Herman A. Bruson, Philadelphia, Pa., assignor to Röhm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application April 10, 1942, Serial No. 438,419
2 Claims. (Cl. 167—30)

2. An insecticidal composition comprising as an active agent tri-β-cyanoethyl indene and a carrier.

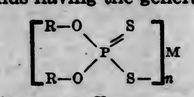
2,365,937
INTEGRATOR
John Louis Christmann, Passaic, N. J.
Application June 30, 1943, Serial No. 492,976
7 Claims. (Cl. 235—61)



1. Integrating means for continuously integrating a variable load traveling at a variable speed, comprising a constant speed rotating table, a disc frame extending across said table, an integrator disc rotatively mounted on said disc frame and normally having a point on its periphery adjacent a "zero" or starting point on said table, a counter connected to and driven by rotations of said disc, proportional deflection means for moving said disc frame in a direction to move said integrator disc radially of the center of rotation of said table in proportion to said load variable, proportional frequency constant length impulse means for producing impulses of constant length numerically in proportion to said speed variable for moving said disc frame in a direction to move said integrator disc against said table for and during each impulse, and means for moving said disc frame in a direction to move said integrator disc out of contact with said table between said impulses.

2,365,938
WAX SUBSTITUTED DIARYL DITHIOPHOSPHORIC ACIDS AND SALTS THEREOF
Elmer W. Cook, New York, N. Y., and William D. Thomas, Jr., Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application October 17, 1941, Serial No. 415,410
16 Claims. (Cl. 260—461)

1. Compounds having the general formula



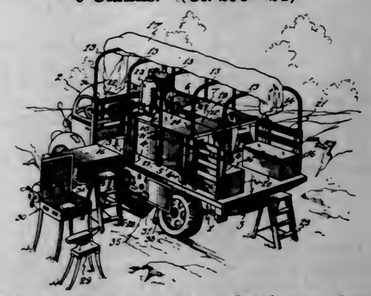
in which R is a paraffin wax substituted aryl radical said wax substituent containing at least 22 carbon atoms, M is a member of the group consisting of hydrogen and basic salt-forming groups and *n* is the valence of hydrogen or the basic salt-forming group.

2,365,939
CENTER-DRILLING DEVICE
Kibbey W. Couse, Newark, N. J.
Application November 24, 1943, Serial No. 511,545
3 Claims. (Cl. 77—18)



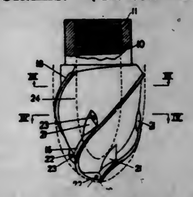
3. For use in centering a piece carried by a chuck, an elongated, hollow, rigid bushing wholly supported by the chuck, a drill holder carried within the bushing and having bearings at its opposite ends, a drill connected directly to the chuck end bearing, while its other end bearing has a driving and feeding means connected thereto.

2,365,940
TRAVELING WORKSHOP
Kibbey W. Couse, Newark, N. J.
Application April 6, 1944, Serial No. 529,737
9 Claims. (Cl. 296—24)



1. A traveling work shop having a chassis, a floor fastened to the chassis and forming part of the body, the floor having sockets located along its opposite edges, oppositely disposed work benches carried on the floor and having their outer sides forming body-closure parts, said benches being held in place on the floor by having leg ends fitting in certain of said floor sockets, the inner sides of the benches having slide rails and a slide plate carried on the rails, and oppositely disposed tool-box seats carried on the floor at the rear end thereof.

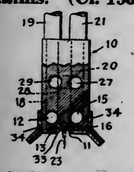
2,365,941
OIL WELL DRILL BIT
Wilfred St. Maur Elmore Crake, Houston, Tex., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application August 31, 1942, Serial No. 456,829
4 Claims. (Cl. 255—61)



1. An improved drill bit for rotary drilling of wells comprising a hollow body having a plurality

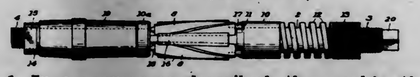
of laterally-extending cutting edges curved spirally downwardly in the direction of rotation of the drill bit and substantially meeting at an apex at the lower end of the bit said cutting edges together with said hollow body being formed to describe upon rotation of the bit a substantially hyperboloidal figure of revolution, said body having fluid circulation ports extending therethrough and directed upwardly adjacent said spiral cutting edges on the leading side of said cutting edges, and means in the upper end of said hollow body for connecting the bit to a drill string.

2,365,942
TORCH
John J. Crowe, Westfield, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application June 13, 1940, Serial No. 340,273
9 Claims. (Cl. 158—27.4)



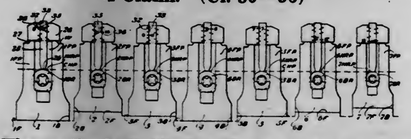
1. A torch including a tip with a face through which gas is discharged for combustion in heating flames, wings connected to and supported by the tip and extending outward from the sides of the tip, and a coating of refractory material on the face of the tip and on the corresponding sides of said wings for radiating heat to a work-piece that is being heated by the flames.

2,365,943
REAMER
George I. Eagleson, Cambridge, Ohio
Application February 5, 1944, Serial No. 521,185
6 Claims. (Cl. 77—75)



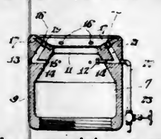
1. In a reamer as described, the combination with a central supporting bar having terminal threaded portions and an intermediate grooved housing, of a plurality of peripherally circular bits each having a terminal rotating extension at one end, a bearing point extension at the other end, and a pair of sleeves each surrounding the bar and engaging said terminals oppositely, and means having screw engagement with said threaded portions of the bar for urging either of said sleeves towards the housing.

2,365,944
METHOD FOR ALIGNING ROLL PASSES
Harold T. Farr, Cleveland, and Robert A. Peterson, Cleveland Heights, Ohio
Application August 5, 1942, Serial No. 453,710
1 Claim. (Cl. 80—56)



The method of aligning the horizontal roll pass of a plurality of stands of rolls in a common horizontal plane, which method consists in initially establishing as a gauge line or reference point the tops of the mill stand posts, determining the distance from the gauge line of each stand to the upper surface of the bottom roll thereof to bring about the condition of material travel in a common horizontal plane, providing a gauge having two members adjustably secured together at right angles, the first member being adapted to be placed upon and to span the distance between roll stand posts at opposite ends of the bottom roll and the second member projecting from approximately the center thereof, calibrating said gauge and placing on the two members thereof cooperating identical indicia for the correct setting of the bottom roll of each roll stand, said indicia showing when the second gauge member projects from the first gauge member a distance equal to the predetermined distance from the gauge line in each roll stand to the upper surface of the bottom roll thereof and bringing the bottom roll of each stand to the proper relation to attain travel of material in a common horizontal plane by performing the following steps on each roll stand: setting the gauge with the first member on top of and spanning the distance between two mill stand posts at opposite ends of the bottom roll, setting the lower end of the second gauge member at the proper distance from the first gauge member predetermined for said particular mill stand by means of the cooperating identical indicia, and adjusting the bottom roll by bringing the upper surface thereof into contact with the end of the second gauge member.

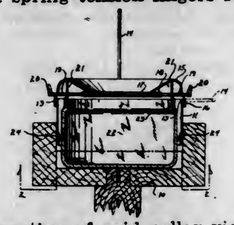
2,365,945
FLAME RETENTION NOZZLE
William Ferguson, Philadelphia, Pa., assignor to National Airoil Burner Company, Incorporated, a corporation of Delaware
Application March 7, 1942, Serial No. 433,748
3 Claims. (Cl. 158—109)



3. A gas nozzle comprising a cylindrical chambered body having one end formed to connect with a source of combustible mixture, the other end being tapered to form a contracted discharge passage, and a flaring formation for receiving the discharge from said passage, the surface of said flaring formation being provided with an annular recess extending from near the inner and outer margins of said flaring formation and a refractory seated in said recess, providing a smooth continuous frusto-conical surface between said margins.

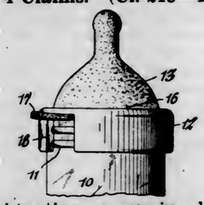
2,365,946
ASH RECEPTACLE
Maurice J. Fletcher, Des Moines, Iowa, assignor to Cadet Smokestands Company, Des Moines, Iowa, a business trust
Application January 5, 1942, Serial No. 425,680
2 Claims. (Cl. 220—1)

1. In combination with a tobacco ash receptacle having a supporting column and bowl member, a collar element designed to be secured within said bowl and having its upper end capable of being distorted, a spring handle pivotally mounted on said collar, a hopper top embracing the upper portion of said collar element, a manually operated trap door in said hopper top capable of closing an opening therein at times, an attachment ring inside said hopper top, a receptacle, a means for detachably securing the open end of said receptacle to said attachment ring, and a plurality of spring tension fingers formed about



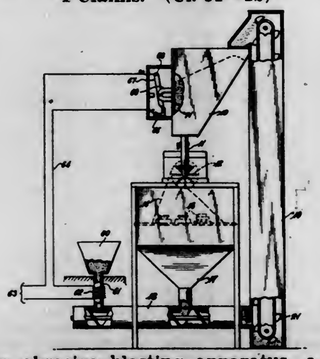
the lower portion of said collar yieldingly contacting said receptacle when said receptacle and said hopper top are in place within said collar and said bowl member.

2,365,947
NURSING BOTTLE
Howard H. Ganson, Buffalo, N. Y., assignor to Hygeia Nursing Bottle Company, Inc., Buffalo, N. Y., a corporation of New York
Application August 26, 1941, Serial No. 408,358
4 Claims. (Cl. 215—11)



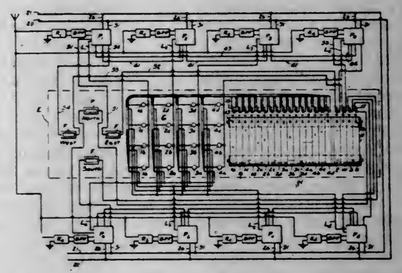
1. In combination, a nursing bottle having a cap detachably connected to the open end thereof, and a nipple disposed to be retained on the bottle by said cap and having a tab projecting radially therefrom, the cap having an opening therein through which the nipple-tab normally projects and against the top side of which tab the bottom edge of such cap-opening bears in the assembled position of the parts.

2,365,948
ABRASIVE SUPPLY SYSTEM
Charles M. Gossard, Hagerstown, Md., assignor to Pangborn Corporation, Hagerstown, Md., a corporation of Maryland
Original application April 27, 1942, Serial No. 440,689. Divided and this application February 29, 1944, Serial No. 524,495
4 Claims. (Cl. 51—12)



4. In abrasive blasting apparatus, a bin for storing abrasive particles, abrasive projecting apparatus, means providing a circuit for guiding abrasive particles from said bin to the abrasive projecting apparatus and returning the projected particles into said bin, means for feeding abrasive particles from an auxiliary source into said circuit, means for interrupting the movement of abrasive particles from the auxiliary source into said circuit, and means operable upon the presence of a predetermined quantity of abrasive in said bin for rendering said interrupting means operative.

2,365,949
SIGNALING SYSTEM
Frank S. Greene, Cleveland, Ohio, assignor to William M. O'Neil, Cleveland Heights, Ohio
Original application July 13, 1942, Serial No. 450,693. Divided and this application October 12, 1943, Serial No. 505,937
26 Claims. (Cl. 250—11)

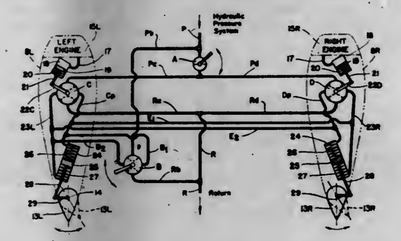


1. A position indicating system for craft traveling over a portion of the earth's surface which comprises means for transmitting two series of radio beams with the beams of the two series differing in frequency and the beams of one series intersecting the beams of the other to provide a checkerwork area over said portion of the earth's surface, the beams of each series having a predetermined number of frequencies which recur in regular sequence, a series of radio receiving circuits on a craft traveling in said checkerwork area which are tuned, one to each of the beam frequencies, and means controlled by sequential energizations of said circuits for indicating the intersection of the two beams, one of each series, last crossed by said craft.

2,365,950
METHOD OF OBTAINING RUBBER FROM GOLDENROD
John W. Haefele, Ridgewood, and John McGavack, Leonia, N. J., assignors to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application September 11, 1942, Serial No. 457,973
4 Claims. (Cl. 260—814)

1. Method of obtaining rubber from goldenrod which comprises extracting dry goldenrod plant material with a resin solvent which is a non-solvent of rubber, mechanically disintegrating the thus treated goldenrod in an aqueous medium containing a small amount of alkali hydroxide until the rubber floats on the aqueous medium, and separating the rubber from the alkaline slurry.

2,365,951
AIRCRAFT CONTROL
Walter A. Hamilton, Burbank, Calif., assignor to Douglas Aircraft Company, Inc., a corporation of Delaware
Application November 13, 1940, Serial No. 365,426
11 Claims. (Cl. 244—78)



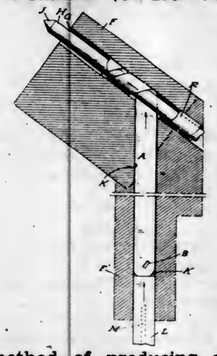
1. In an aircraft having an empennage rudder for normal steering control, a plurality of laterally disposed engines for the propulsion of the aircraft, nacelles enclosing each of said engines, movable auxiliary control surfaces normally forming aligned trailing portions of said nacelles, an hydraulic pressure source, four-way control valves for each engine actuated by the lubricating oil pressure thereof, servo-motor cylinders operatively connected to said control surfaces, fluid means interconnecting said control valves with said servo-motor cylinders and said pressure source whereby predetermined drops in lubricant pressure in any of said engines automatically actuates each of said auxiliary control surfaces into positions compensating for the greater propulsive effect of an oppositely disposed engine, and a manually operated four-way valve connected to said pressure source and to said servo motor cylinder to selectively operate said control surfaces upon the interruption of said automatic operation by closure of said pressure source connection to the first said four-way control valves.

2,365,952
MACHINE FOR MAKING PLASTIC HELICOIDAL STRUCTURES
Alden W. Hanson, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
Application March 12, 1942, Serial No. 434,424
2 Claims. (Cl. 18—1)



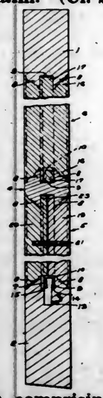
1. In a machine for continuously making a flexible, helicoidal structure from a plastic tape, the combination of: an endless, flexible, traveling mandrel; a rotatable hollow shaft longitudinally coaxial with the traveling mandrel, said shaft having mounted thereon and rotatable therewith a reel support plate adapted to support a free-running reel carrying a supply of plastic tape, winding means adapted to wind said plastic tape on said traveling mandrel, unwinding and severing means adapted to unwind the formed flexible helicoidal structure from the mandrel and to sever the unwound structure into sections of predetermined length; and, stationary heating means adapted to heat the tape while wound on the traveling mandrel.

2,365,953
METHOD OF PRODUCING TUBULAR MEMBERS
Paul S. Hauton, Atlanta, Ga., assignor to Scripto Manufacturing Company, Atlanta, Ga., a corporation of Georgia
Application November 29, 1941, Serial No. 420,925
4 Claims. (Cl. 153—64)



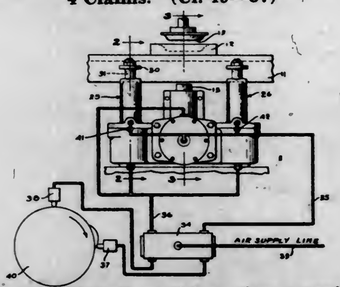
1. The method of producing a helical coil from a preformed elongated blank, comprising, pushing said blank by applying force against the extreme rear end thereof by a reciprocating plunger, through a slot which enters the cylindrical bore of a coiling die tangentially and at the proper angle in relation to the longitudinal axis of said bore to produce the desired helical angle, until the rear end of said blank is entirely located within the cylindrical bore, withdrawing the plunger from the cylindrical bore, pushing the coiled blank from the cylindrical bore by applying force against the rear end of the coiled blank through a reciprocating plunger which moves parallel to the longitudinal axis of the cylindrical bore, then withdrawing said reciprocating plunger from that part of the cylindrical bore which is occupied by said blank during the coiling operation.

2,365,954
WINDOW SASH
Herold H. Hebestreit, Mio, Mich.
Application June 17, 1942, Serial No. 447,414
1 Claim. (Cl. 20—56)



A window sash comprising a frame including spaced vertical side rails, a horizontal rail permanently connecting the side rails, a horizontal transom extending between the side rails in spaced parallel relation to the horizontal rail, a mullion extending between the horizontal rail and the transom intermediate the side rails, said rails, transom and mullion all having similar communicating grooves formed in the corresponding edges thereof for reception of the margins of two panes of glass, said grooves being of similar depth at both sides thereof and being wider than the thickness of the panes of glass, removable strip members fitted in said grooves to secure the panes of glass in position contacting a side wall of each groove, said mullion embodying complemental longitudinal inner and outer half-sections having tongues on corresponding ends thereof fitting in the groove of the transom, the other ends of said half-sections being free of tongues, and means separably securing said half-sections together, the horizontal rail having its groove provided with a narrow central bottom extension forming a well for reception of the adjacent marginal portions of the panes of glass when the strip members are removed, and shoulders at opposite sides of the well at the top of the latter respectively for engagement by the adjacent edges of the panes of glass and the adjacent strip members, said well being of a depth to permit disengagement of the panes of glass from the groove of the transom so that they may be removed upon separation and removal of the mullion sections and movement of the panes of glass toward each other to disengage them from the grooves of the side rails and further subsequent movement of the same to disengage them from the well and the associated groove of the horizontal rail.

2,365,955
GLASS PRESS
Ray A. Hinkley and Robert L. Meikle, Corning, N. Y., assignors to Corning Glass Works, Corning, N. Y., a corporation of New York
Application June 3, 1941, Serial No. 396,475
4 Claims. (Cl. 49—37)

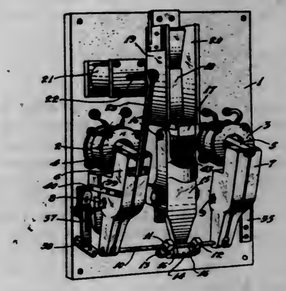


1. The combination with a glass pressing apparatus which includes a movable table having a series of molds thereon successively indexed under a pressing plunger and wherein the plunger then performs a pressing cycle, of a support for taking the thrust given the table as a charge of glass within the mold is being pressed and of means for clamping the table tightly against said support during the entire pressing cycle of the plunger.

2,365,956
THERMALLY-HARDENING STEEL
John M. Hodge, Munhall, and Max W. Lightner, Pittsburgh, Pa.
No Drawing. Application April 20, 1940, Serial No. 330,798
5 Claims. (Cl. 148—12)

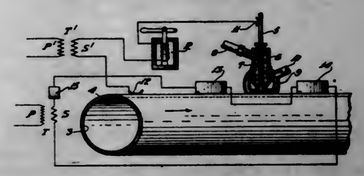
1. A method of thermally hardening a steel article having a portion with a higher carbon content than another portion, said method including heating said article to render both said portions austenitic, quenching said article to the temperature range of from 100° C. to 400° C., holding said article in said range until transformation of at least a majority of the austenite of the second named portion is effected and quenching said article to below said range prior to transformation of more than minor amounts of the austenite of the first named portion and at a rate producing martensite.

2,365,957
ELECTRICAL CIRCUIT CONTROLLER
Claude J. Holslag, South Orange, N. J., assignor to Electric Arc, Inc., Newark, N. J.
Application August 13, 1941, Serial No. 406,604
9 Claims. (Cl. 200—98)



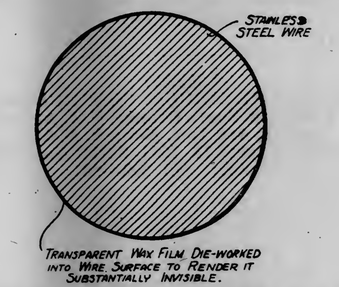
1. In an electrical circuit controller for a predestined arc welding circuit, apparatus having means for closing and opening the circuit, an electro-magnet for actuating at least a part of said means for automatically closing the circuit, another electro-magnet for automatically acting on at least a part of said means for holding the circuit closed, and another electro-magnet automatically brought into action by a substantial raise in voltage in the circuit acting on said means to forcibly act thereon for opening the circuit controller.

2,365,958
CONTINUOUS ARC WELDING SYSTEM
Claude J. Holslag, South Orange, N. J., assignor to Electric Arc, Inc., Newark, N. J.
Application July 10, 1943, Serial No. 494,140
8 Claims. (Cl. 219—8)



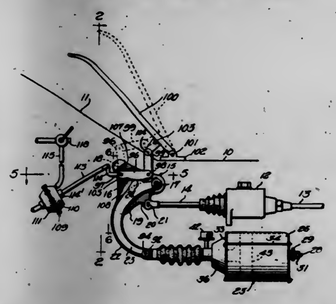
6. In an arc-welding system, means for eliminating troublesome strains in the metal set up by the welding operations, said means including at least one preheating coil structure adapted to be positioned on the metal in front of the area to be welded and having relative movement along the entire length of said area, at least a portion of said coil structure being connected into the arc circuit to act as both a preheater and a reactance for controlling the arc.

2,365,959
STAINLESS STEEL WIRE
Charles Richard Horwedel, Lakewood, Ohio, assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application September 26, 1941, Serial No. 412,509
1 Claim. (Cl. 29—180)



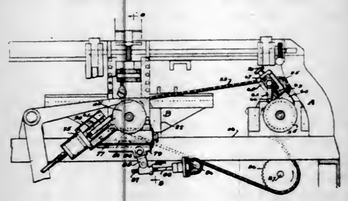
Stainless steel wire in coil form with its surface carrying a compressed film consisting solely of wax of the class consisting of beeswax, Chinese wax, paraffin, bayberry wax and carnauba wax having melting temperatures exceeding 40° C., said film being die-worked into the surface of the wire under pressure so extremely high that the wire is reduced in size by the die-working, said film being substantially invisible while being detectable by the wire having a waxy feel giving it antifriction properties.

2,365,960
CLUTCH OR BRAKE OPERATING MECHANISM
Jeannot G. Ingres, Detroit, Mich., assignor to Automatic Shifters, Inc., Richmond, Va., a corporation of Virginia
Application January 14, 1941, Serial No. 374,384
38 Claims. (Cl. 188—152)



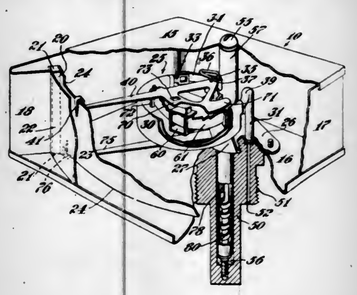
1. An operating mechanism for a motor vehicle clutch or brake having an operating element, comprising a power device, a control mechanism for said power device, a manually operable member connected to said control mechanism and normally mechanically disconnected from said operating element and having a given normal position, and means automatically operative upon a failure of power in said power device for mechanically connecting said manually operable member to said operating element, for the direct manual operation thereof and being constructed and arranged to change the normal position of said manually operable member.

2,365,961
DECORATING APPARATUS
Albert S. Jackson and Clarence A. Heyne, Wood River, Ill., assignors to Owens-Illinois Glass Company, a corporation of Ohio
Application March 28, 1942, Serial No. 436,602
12 Claims. (Cl. 101—115)



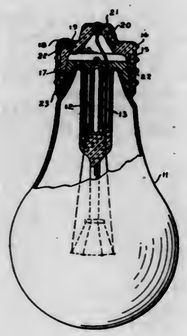
1. Decorating apparatus comprising a work-holder for an article to be decorated, means for rotating the work-holder about an axis, an arm mounted to rock about said axis, a block slidably mounted on said arm for adjustment in a direction toward and from the work-holder and said article, means for adjusting said block, a finger pivotally mounted on said block, and extending into position to engage a round surface of the said article, a spring for holding the finger in contact with the said article, and a stop for limiting the movement of the finger by said spring.

2,365,962
PRESSURE GAUGE
Samuel Kahn, Bridgeport, Conn., assignor to Manning, Maxwell & Moore, Incorporated, New York, N. Y., a corporation of New Jersey
Application January 19, 1942, Serial No. 427,306
9 Claims. (Cl. 73—396)



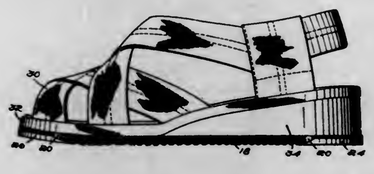
3. A gauge comprising a casing, a pressure-responsive unit including a Bourdon tube and a pointer actuated thereby, a bar rigidly supported in said casing, said bar being curved concentrically with the path of the pointer, a telltale device supported on said bar and freely advanceable thereover in one direction only, said bar being provided along one edge with teeth and said device including a tongue yieldably held in contact with said teeth the teeth being so formed that they engage the tongue of the device and prevent the movement thereof in one direction while permitting its movement in the opposite direction, and a contact element carried by said pointer, said contact element engaging the telltale device upon movement of the pointer up to a predetermined pressure limit and moving along said bar from its normal position if the pointer moves beyond said limit.

2,365,963
INCANDESCENT LAMP ASSEMBLY
Harry Ray Kiehl, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
Application April 17, 1943, Serial No. 483,424
4 Claims. (Cl. 176—32)



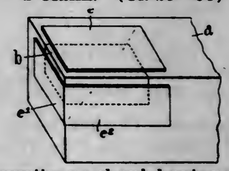
3. In a lamp assembly, a sealed envelope having protruding wires for conducting electrical current into the interior of the envelope, a glass base attached to the end of the envelope from which the wires protrude; said base having surrounding threads for threading the same into an Edison type electric lamp socket, said base having a channel transverse of its threads for accommodating a metal terminal for contact with the shell of a socket and having an aperture for accommodating a button for electrical contact with the socket base, a metal terminal in said channel having one end attached to one of the protruding wires, and a conducting button arranged over the base aperture and attached to the other of the protruding conducting wires.

2,365,964
SHOE SOLE
Alfred D. Levine, Brookline, and Alex Bosman, Revere, Mass.
Application May 7, 1943, Serial No. 486,028
6 Claims. (Cl. 36—31)



1. A composite outsole unit having an integral sole body of sheet fibre board extending throughout its shank and forepart, a heavy piece of woven fabric bound at both end edges and wrapped transversely about said sole body with its margins cemented in spaced relation to the edges of the inner face of the sole body, solid inserts beveled and overlapping the bound edges of the woven fabric at each end of the sole and of width sufficient to form a smooth continuous sole outline with the wrapped edge of the fabric, and stitching uniting the beveled edge of the inserts with the said sole body and woven fabric.

2,365,965
CUTTING TOOL
Martin Littmann, Buxton, England, assignor to Cutanit Limited, Buxton, England
Application January 11, 1943, Serial No. 472,029
In Great Britain December 30, 1941
1 Claim. (Cl. 29—95)



A tool compriisng a shank having a recess therein, a tip fitted in said recess, a layer of material of relatively high heat conductivity between the adjacent surfaces of and bonding the shank and tip together, and an external bridge constituted by a layer of material also of high heat conductivity applied over the juncture of the shank and tip and also to the portions of the external surfaces of the shank and tip at opposite sides of said juncture.

2,365,966
PRODUCTION OF INDOLE
John E. Livak, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application March 3, 1941, Serial No. 381,541
20 Claims. (Cl. 260—319)

1. In a method of making indole wherein an aqueous solution of indoxyl and at least one alkali metal hydroxide is heated to a reaction temperature in a closed container, the step of carrying the reaction out in the presence of at least one ionizable compound of a metal selected from the class consisting of the metals in groups II and IV, series 3–8, and groups VI, VII, and VIII, series 4, of the periodic table, said ionizable metal compound being employed in such proportion as to contain between 0.25 and 6 gram atomic weights of its metal constituent per gram molecular weight of the indoxyl.

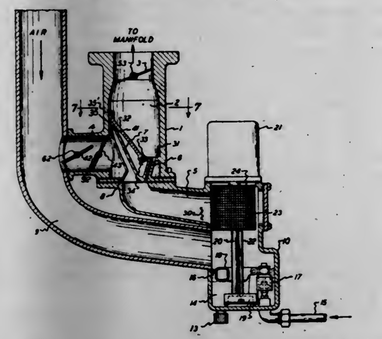
2,365,967
METHOD OF TEMPERING GLASS
Bernard Long, Paris, France, assignor to The American Securit Company, a corporation of Delaware
Application May 28, 1940, Serial No. 337,723
In France June 22, 1939
3 Claims. (Cl. 49—39)



1. The method of tempering glass sheets or plates which consists in heating the sheet or plate

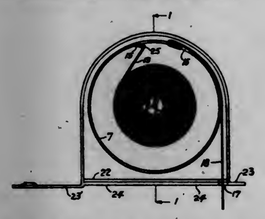
approximately to its softening point, chilling the sheet uniformly throughout its area to an extent sufficient only to impart to the sheet a superficial skin and thereafter further chilling the sheet differentially whereby predetermined zones of different temper are established in the sheet.

2,365,968
CARBURETOR
Heber R. Mason, Washington, D. C., assignor of one fourth to Paul Henderson, Washington, D. C.
Application November 17, 1941, Serial No. 419,380
14 Claims. (Cl. 261—47)



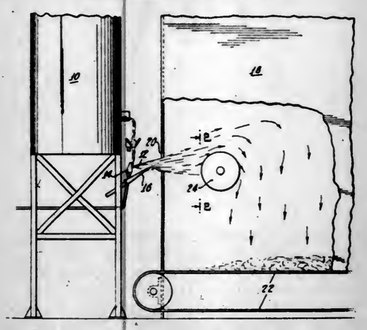
1. A carburetor comprising a housing structure having therein a mixing chamber and an air inlet passage with a supplementary air conduit and a main air conduit establishing communication from said air inlet passage to the mixing chamber, means supplying nebulized fuel to air passing through said main air conduit, a throat tube establishing communication between said main air conduit and said mixing chamber, a second throat tube extending from said main air conduit and having an outlet opening within the mixing chamber adjacent to the opening of said supplementary air conduit thereinto, and a proportioning valve swingably mounted within the mixing chamber normally partially closing over the communicating end of the supplementary air conduit and the outlet end of the second throat tube and movable under suction.

2,365,969
WINDOW SASH BALANCE
Abraham Morrison, Detroit, Mich., assignor to Annie Lillian Morrison and Ida Morrison, Detroit, Mich.
Application March 30, 1944, Serial No. 528,708
6 Claims. (Cl. 16—198)



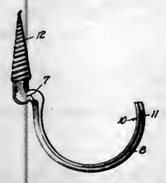
1. In a sash balance a housing comprising an angle plate having a lower flange and a laterally extending wall portion including an offset portion adjacent the lower flange; an inner plate secured to said angle plate; a cover plate which has a projection on its lower ends to engage the offset portion of the angle plate, preventing upward movement, said inner plate conforming to the inner contour of the cover plate to prevent sliding movement.

2,365,970
METHOD AND APPARATUS FOR MINERAL WOOL MANUFACTURE
Gale T. Pearce, Somerville, N. J., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application October 28, 1941, Serial No. 416,813
4 Claims. (Cl. 154—28)



4. The method of forming a low density mineral wool felt comprising forming a gaseous stream of mineral wool fibers and directing said stream against means rotatable on an axis below the center line of said stream and extending at substantially a right angle thereto and having a cylindrical surface extending across said stream diverting said stream upwardly from its normal path of movement and creating a relatively dead air zone beyond said baffle through which said fibers settle by gravity and in relatively individualized form to form a felted layer beyond said baffle.

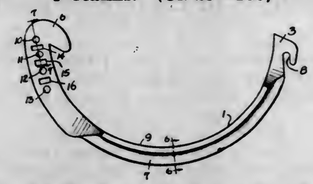
2,365,971
METHOD OF MAKING DOWNSPOUT HOOKS AND ARTICLE FORMED THEREBY
Maurice Rachlin, Flushing, N. Y.
Application May 5, 1941, Serial No. 392,002
5 Claims. (Cl. 248—48.1)



1. A method of making a downspout hook, which comprises the steps of imparting a bend to a straight piece of wire, to form a blank consisting of two spaced parts, extending in substantially parallel planes, joined by a third connecting part, extending substantially at right angles to both of said spaced parts, then flattening one of said spaced parts and said connecting part and then pressing said other spaced part in a direction at right angles to the direction in which said first spaced part and said connecting part were flattened.

4. A downspout hook cold worked from wire stock, comprising a driving tang formed of flattened metal stock and a hook portion formed of the same stock, said hook portion having a plane inner face and a reinforced permanent configuration and that portion of said downspout hook where the tang merges into the hook portion being laterally offset from the hook portion to provide a driving head in longitudinal alinement with the tang, said tang being widened between the driving end and the free end.

2,365,972
METHOD OF MAKING GUTTER CIRCLES
Maurice Rachlin, Flushing, N. Y.
Application May 5, 1941, Serial No. 392,003
5 Claims. (Cl. 29—150)



1. A method of making a gutter circle which comprises providing a length of wire, bending the terminal portions of said length of wire, in such manner that the axes of said terminal portions extend in planes parallel to the axis of the remainder of said length of wire, then reversely bending one end, then flattening such bent terminal portions and then bending said length of wire into arcuate form.

2,365,973
INTERLOCKING GUTTER CIRCLE
Maurice Rachlin, Flushing, N. Y.
Application October 31, 1941, Serial No. 417,380
4 Claims. (Cl. 248—48.1)

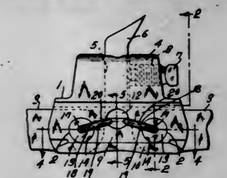


1. A gutter hanger formed of wire and having flattened end portions, one of such portions having a shank engaging projection, said projection extending from one side of one of the end portions, such end portion having an oppositely disposed flat unbroken surface and fastener engaging apertures provided in the projection for securing said hanger to said shank, said apertures extending at right angles to said flat surface.

2.365,974
TREATMENT OF HYDROCARBON OIL
William Schreiber, Philadelphia, Pa., assignor to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application May 21, 1943, Serial No. 487,971
18 Claims. (Cl. 252—53)

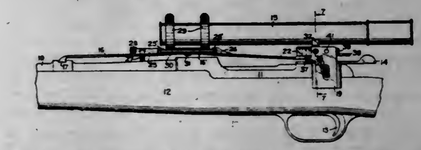
1. The method of producing an improved lubricating oil which comprises adding to a hydrocarbon oil, containing lubricating oil components, an organic compound of trivalent phosphorus, subjecting the resulting mixture, in the absence of an oxidizing agent introduced from an extraneous source, to a heat treatment at a temperature and for a period of time sufficient to cause the formation of soluble phosphorus-containing reaction products, said treatment being discontinued prior to the formation of an insoluble sludge.

2,365,975
CUTTER CHAIN
Leon E. Simmons, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application June 12, 1944, Serial No. 539,806
9 Claims. (Cl. 262—33)



1. In a cutter chain, a chain block, a connecting link, a hinge element for pivotally connecting said block and link, said block having a socket for receiving a cutter bit, and detachable means for locking said hinge element against rotation relative to said block and including a portion extending beneath the block socket to provide a bit stop.

2,365,976
TELESCOPE SIGHT MOUNTING
Andrew Sorensen, Windsor, Colo., assignor of one-half to F. D. Giddings, Larimer County, Colo.
Application May 26, 1942, Serial No. 444,539
7 Claims. (Cl. 33—50)

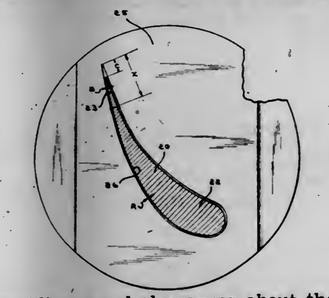


1. A rear gun sight mounting comprising, a spring member adapted to be fixed at its ends to and in bridging relation longitudinally of a rear portion of a gun, a telescope clamp member swivel-clampable to a forward, upper portion of said spring member, a block, laterally adjustable but in otherwise fixed relation with the rear portion of said spring member, and a saddle on the upper margin of said block being adapted to longitudinally slidably seat one end portion of a telescope sight, the other end portion of which telescope is engaged in said clamp member.

2,365,977
PUNCHING APPARATUS
Samuel S. Stine, Lansdowne, and Emmett H. Beswick, Essington, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 13, 1943, Serial No. 475,720
6 Claims. (Cl. 164—29)

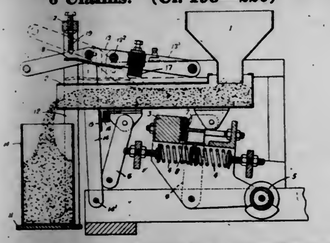
1. In apparatus for punching openings to receive and space vanes to form elastic-fluid flow passages for elastic-fluid handling apparatus, which vanes are thickened at their inlet edges and taper in the direction of flow to provide relatively thin tail portions; a punch of the shape and size of the openings, and a die having an

opening of approximately the shape of the punch and adapted to receive the latter, said die open-



ing providing usual clearances about the thickened portion of the punch and materially greater clearances about the thin portion thereof.

2,365,978
APPARATUS FOR DISPLACING PULVERULENT OR BROKEN MATERIAL
George Harry Strain, Seaford, England
Application August 14, 1942, Serial No. 454,846
In Great Britain December 23, 1941
6 Claims. (Cl. 198—220)



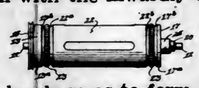
1. Apparatus for displacing granular material comprising, a frame, a reciprocal structure for conveying the granular material laterally from a loading station, arms swingably supporting said structure on said frame, an anvil mounted for vibrating movement on said frame, an unbalanced rotating mass for vibrating said anvil, resilient means controlling the natural period of vibration of the anvil, and means carried by one of said arms adapted to be engaged by the vibrating anvil to reciprocate said structure.

2,365,979
FUMIGANT
William P. ter Horst, Pompton Plains, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application October 6, 1943, Serial No. 505,194
5 Claims. (Cl. 167—39)

1. The method of fumigating an enclosed space infested with lower organisms which comprises introducing into said space carbon suboxide.

2,365,980
MANDREL
Pacific J. Thomas, Wyoming, Pa., assignor to U. S. Textile Machine Company, Scranton, Pa., a corporation of Pennsylvania
Application September 14, 1943, Serial No. 502,361
14 Claims. (Cl. 242—118)

1. A mandrel comprising, a spindle, two relatively opposed annular heads on said spindle each provided with an inwardly tapered edge section, a cylindrical member mounted for free floating movement intermediate said heads and having outwardly tapered edge sections arranged in juxtaposed relation with the inwardly tapered edge

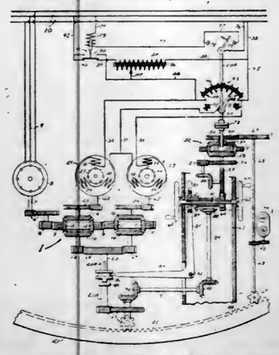


sections of the heads so as to form cam grooves therebetween, a resilient ring element seated in each of said cam grooves, means securing one of said heads to the spindle, and means arranged to effect axial movement of the other head along said spindle.

2,365,981
PRODUCTION OF CHLORINATED NITRO HYDROCARBONS
John B. Tindall, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
No Drawing. Application December 20, 1941, Serial No. 423,765
8 Claims. (Cl. 260—644)

1. A process for the liquid phase production of chlorinated nitro alkanes which comprises adding to a solution of a metal hydroxide selected from the group consisting of alkali and alkaline-earth metal hydroxides, sufficient chlorine to bring the pH of said solution to a value of between 10 and 14, and to produce the corresponding metal hypochlorite, adding to the resultant metal hypochlorite a nitroalkalane in which the nito group is bound to a carbon atom having from one to three hydrogen atoms, said nitroalkane being added to said hypochlorite solution so that a slight excess of said hypochlorite is present in the reaction mixture at all times.

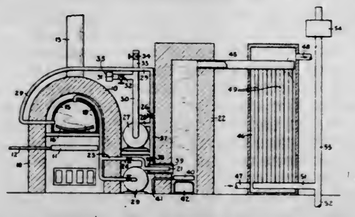
2,365,982
POWER APPARATUS FOR POSITIONING GUN TURRETS
Lev A. Trofimov, Willoughby, Ohio
Application August 6, 1942, Serial No. 453,810
4 Claims. (Cl. 172—239)



1. In combination with a rotary gun turret, an apparatus for applying power to move and position it comprising a continuously running motor; a rotary load shaft gear-connected to the turret to drive it; a gear transmission for transmitting motor torque to the load shafts; a pair of alternating current induction generators having alternating current stators and having rotors driven by the motor through the transmission, and controlling the transmission to cause it to drive the load shaft in alternate directions and bring it to

rest in correspondence respectively with the development of a greater electrical load at one generator than at the other, and the development of a greater load at the other than at the one, and the development of equal loads; a source of alternating current; an auto-transformer energized from the source, and having single phase output circuits energizing the generator stators respectively, and which circuits are also the output circuits of the generators by which they supply generated alternating current back to the current source; means to vary the energization of the generator stators respectively, to vary their respective output loads, comprising taps on the transformer, and an arm movable alternately thereover; a pilot control comprising a manually rotatable element; a control differential gearing comprising a spider element rotatably supporting pinions and connected to the said alternately movable arm, and also comprising two differential gears meshed with the pinions, one differential gear being gear-connected to the manually rotatable element, and the other differential gear being gear-connected to the turret; the parts being arranged so that upon manual rotation of the rotatable element in either direction, the alternately movable arm is moved to unbalance the loads of the generators to cause the load shaft to move the turret in a corresponding direction, and upon stopping rotation of the rotatable element the alternately movable arm is moved by the turret to balance the loads of the generators and bring the turret to rest.

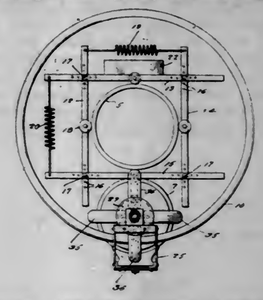
2,365,983
METHOD AND APPARATUS FOR CONSUMING BODIES
Leonard H. Vanderwerf, New York, N. Y.
Application June 19, 1941, Serial No. 398,718
7 Claims. (Cl. 110—3)



1. A body consumer comprising a primary furnace having a heating means, a gas tight chamber therein to receive a body, a secondary furnace having a heating means and an air inlet thereto, and means to withdraw initial air and the gases from the gas tight chamber and deliver them to the secondary furnace.

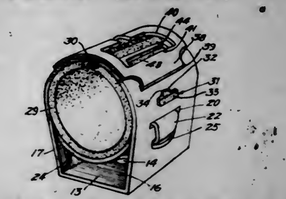
2,365,984
PIPE CLEANING MACHINE
Jesse Elvin Warren, Mulvane, Kans.
Application August 27, 1942, Serial No. 456,407
1 Claim. (Cl. 15—104.03)

A pipe cleaning apparatus comprising a carriage, said carriage consisting of a pair of end frames, each end frame being arranged in a substantially square form made up of crossing bars, rollers carried by the frames for engaging a pipe to be cleaned, said rollers being rotatably disposed about axes substantially parallel to the axis of said pipe, bridge members between the frames, a platform supported by the carriage, a motor on the platform, a cleaning element driven by the motor and adapted to operatively engage said pipe, a rotating wheel for



the carriage, said wheel circumscribing the pipe and having a portion thereof secured to the carriage.

2,365,985
CONDUIT SUPPORT
Merle J. West, Los Angeles, Calif., assignor to William E. Vogel, Los Angeles, Calif.
Application July 5, 1943, Serial No. 493,627
6 Claims. (Cl. 248—74)

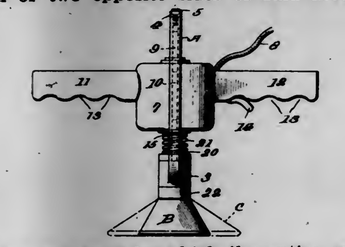


1. A support for conduits or the like, comprising a metallic clip formed with a central base portion adapted to lie flat against an object upon which it is to be mounted, opposite end portions of said clip being bent to form a pair of opposed side arms terminating in arcuate portions, each representing a length of the circumference of the object to be gripped and adapted to conform to the opposite sides of an object to be gripped, a bridge member interposed between said side arms and having ends extending through and connected to said arms and interlocking therewith, whereby the side arms will be held against a spreading action and the bridge will form an intermediate support for the conduit, and an arcuate lock plate adapted to span the free ends of the side arms and to engage the same whereby the bridge and the arcuate portion of the side arms will combine therewith to embrace and hold the object to be gripped.

2,365,986
DEVICE FOR CENTERING SHAFTS, DRILLS, OR THE LIKE
Crawford Lindsay Wilson, Beckley, W. Va.
Application January 22, 1943, Serial No. 473,239
3 Claims. (Cl. 77—18)

1. A portable centering device comprising, a plurality of side and end pieces forming a rectangular open frame the front end piece of which is provided with an opening, a motor mounted in said frame and having sliding interlocking connection with the side pieces thereof for guiding said motor as the same is moved toward and away from the front end of the frame, a work marking tool detachably connected to and carried by said motor and rotatable thereby, a bell

connected to and supported on the front end piece of the frame and extending forwardly and outwardly therefrom, said bell having a conical shaped interior the inner end of which is in communication with said frame front piece opening, and said tool upon forward movement of said motor adapted to move through said frame front piece opening and extend into the diametric center of said bell interior, a handle mounted at each of two opposite sides of said motor and



serving as means by which the entire centering device may be supported and the bell caused to telescopically receive and engage an end of the work to be centered, said handles further serving as means for pressing said bell firmly against the end of the work to center said work end with the marking tool and moving the motor forwardly until the said marking tool engages the work end within the bell, and means conveniently located for operation by the operator of the device for starting and stopping the motor.

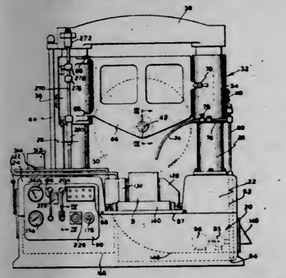
2,365,987

METAL SAW AND HYDRAULIC CONTROL MECHANISM

James Job. Zimmerman, Canton, Ohio, assignor to The Bonnot Company, Canton, Ohio, a corporation

Application June 10, 1942, Serial No. 446,451

13 Claims. (Cl. 29—69)



1. The combination in a rotary metal saw or the like of a frame, a carriage movable vertically of the frame, hydraulic cylinders for moving the carriage vertically, a fluid sump, an automatic variable volume and adjustable contant pressure pump connected to the sump, power means for driving the pump, a hand operated pressure pump by-passing the power driven pump, multi-way valve means connected to the output of the power driven pump, conduits connecting the valve means to the top and bottom sides of the hydraulic cylinders, a one-way adjustable restraining valve positioned in the conduit extending to the bottom side of the cylinders and having a restrained flow in the opposite direction whereby to substantially counterbalance the weight of the carriage, an adjustable orifice valve, a conduit extending from the multi-way valve to the orifice valve and therethrough to the sump so that fluid exhausted from the bottom side of the cylinders must pass through the orifice valve, means for by-passing the fluid around the orifice valve, lever means for positioning the multi-way valve to obtain either upward or downward movement of the carriage, push rod means associated with and operable by the lever means for manually opening the last-named by-pass means to achieve a fast-down movement of the carriage, and a pair of fluid pressure means one being positioned adjacent the carriage and operated by the movement of the carriage for automatically operating the other fluid pressure means positioned adjacent the multi-way valve for reversing the position of the multi-way valve to reverse the movement of the carriage.

2,365,988

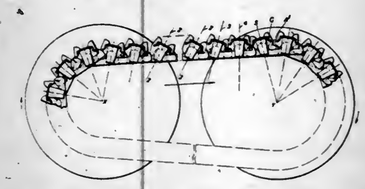
DRIVING BAND OR CHAIN

Geoffrey Joseph Abbott, Carshalton, England, assignor to P. I. V. Chain Gears Limited, London, England, a company of Great Britain

Application February 19, 1942, Serial No. 431,598

In Great Britain October 7, 1941

9 Claims. (Cl. 74—236)



1. A transmission chain of the kind referred to for use with a V-pulley having staggered depressions in its opposite flanges comprising a series of links, pivots connecting said links together, a slat carrier mounted on said chain at each pivotal point so as to be capable of rocking about the axis of the pivot, a plurality of slats in each carrier adapted to move across but not along the chain so that the ends of at least two slats in each carrier may form a composite tooth to engage depressions in the pulley flanges, and extensions on the links adapted to cooperate with surfaces on the slat carriers when relative pivotal movement between adjacent links takes place as the chain comes into engagement with a pulley in such manner that the link extension acts to cause a presetting movement of the slat carrier at the rear end of the next following link by tilting that carrier into the required position to enable the slats therein to engage correctly the depressions in the pulley flanges.

2,365,989

MOUNTING DEVICE

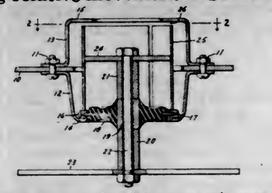
Curtis Ailes, Jr., Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application December 31, 1943, Serial No. 516,342

14 Claims. (Cl. 248—358)

1. A mounting device for a support member including a resilient member mounted on said support member and on a second support member providing a resilient connection therebetween, and a friction damping means including an inner member and an outer member arranged in clamping frictional engagement about said inner member for providing a friction damping of oscillations by relative movement of said inner

member within said outer member, means for restraining relative movement of said outer mem-



ber relative to one of said support members, and means for connecting said inner member to the other of said support members.

2,365,990

AIRCRAFT TURBINE

Joseph S. Alford, Nahant, Mass., assignor to General Electric Company, a corporation of New York

Application February 14, 1942, Serial No. 430,879

1 Claim. (Cl. 253—39)



High temperature high speed turbine for aircraft comprising a bearing, a shaft supported on the bearing and having an overhung portion, a nozzle box located on one side of the wheel for conducting operating gases thereto, and means for receiving and retaining fragments thrown from the turbine wheel to protect apparatus associated therewith without interfering with the supply of operating gases to the wheel, said means bucket wheel secured to the overhung portion, a including an annular member supported on the nozzle box and forming a channel concentrically surrounding the wheel, said member having an outer relatively strong wall and an inner relatively thin and weak wall and side walls, the inner wall having an edge portion securely fastened to one of said side walls and another edge portion slightly spaced from the other side wall to ease rupture and penetration of the inner wall by such fragments.

2,365,991

AIRCRAFT TURBINE SUPERCHARGER

David R. Shoults, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application February 14, 1942, Serial No. 430,881

3 Claims. (Cl. 60—41)

1. The combination with a gas turbine wheel comprising a disk with buckets thereon, of cooling and protecting means therefor comprising spaced walls which form a shield for the disk of the wheel and provide a cooling air chamber, a cylindrical wall which surrounds the first-named walls in spaced relation thereto to provide a discharge passage for gases issuing from the turbine wheel buckets, gas directing vanes in said discharge passage having transverse passages which communicate with said cooling air chamber, and means for effecting flow of cooling air



through said cooling air chamber and said transverse passages.

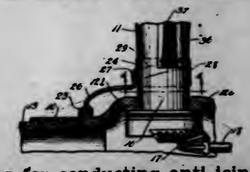
2,365,992

PROTECTIVE APPARATUS FOR PROPELLERS

John O. Antonson, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

Application September 22, 1942, Serial No. 459,331

17 Claims. (Cl. 244—134)



2. Means for conducting anti-icing fluid onto a variable pitch propeller blade during pitch adjustment thereof, said means comprising a pocketed feeding element adapted to be mounted upon the blade, said element having an elongated opening therein for receiving a fluid-delivery nozzle, and means substantially closing said opening against loss of fluid by splashing while permitting entry of the fluid from said nozzle throughout a range of pitch adjustment of the blade.

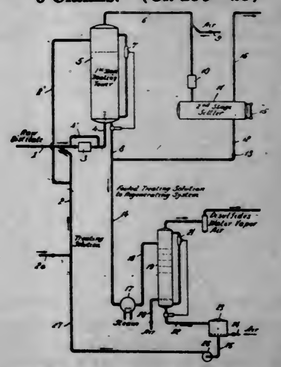
2,365,993

PROCESS FOR REFINING OILS

Frank A. Apgar, Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine

Application January 24, 1944, Serial No. 519,565

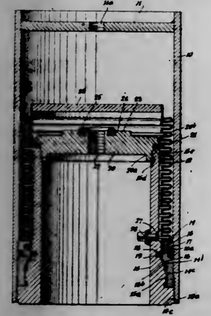
6 Claims. (Cl. 196—29)



1. A process for the treatment of light petroleum distillate containing undesirable sulfur

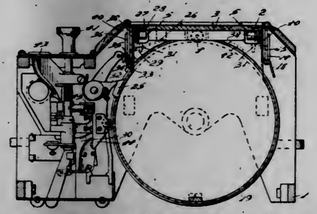
compounds to eliminate the sulfur compounds therefrom comprising intimately contacting the distillate at an elevated temperature and in the absence of oxygen with an aqueous suspension of cadmium hydroxide, separating the distillate from the aqueous suspension and intimately contacting the separated distillate with air while at an elevated temperature, each of said operations being under sufficient pressure to maintain the distillate in the liquid phase.

2,365,994
ACCUMULATOR
Benjamin N. Ashton, Kingston, N. Y., assignor to Electrol Incorporated, Kingston, N. Y., a corporation of Delaware
Application March 22, 1944, Serial No. 527,657
1 Claim. (Cl. 138—31)



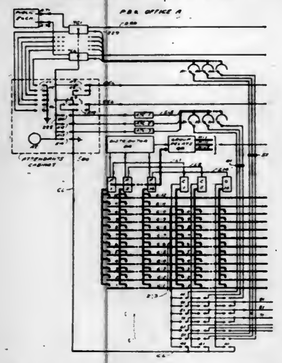
An accumulator for an hydraulic system comprising a hollow receptacle having an open and a closed end, a sleeve within said receptacle secured adjacent to said open end and otherwise spaced from said receptacle, a hollow, cylindrical metallic bellows interposed between said receptacle and said sleeve, a valve seat member secured to the inner end of said sleeve, said member having an aperture therethrough and an annular groove in its inner surface, a rubbery ring mounted in said groove, and a disk member mounted in the inner end of and sealing said bellows and movable with said bellows into and out of engagement with said valve seat member and said rubbery ring.

2,365,995
VENDING MACHINE
Raymond Baker, Sr., Upper Darby, Pa., assignor to Horn & Hardart Baking Co., Philadelphia, Pa., a corporation of New Jersey
Application December 30, 1941, Serial No. 424,881
4 Claims. (Cl. 312—97.1)



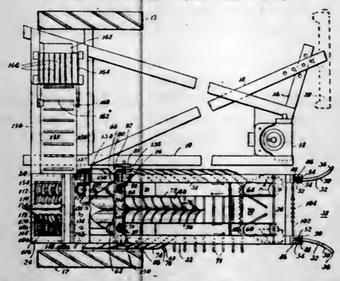
4. In a vending machine, a frame having superimposed delivery openings, doors controlling said openings, an article carrier rotatably mounted in rear of said openings and having compartments with openings to register with the delivery openings, door locking mechanism set by rotation of said article carrier, and auxiliary locking mechanism to lock said doors when the article carrier is being turned from its vending position.

2,365,996
PRIVATE BRANCH EXCHANGE AUTOMATIC TELEPHONE SYSTEM
Pier Bakker, Chicago, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a corporation of Illinois
Application August 12, 1942, Serial No. 454,624
19 Claims. (Cl. 179—27)



1. In a telephone system, a connector having contacts sets arranged in ten groups of ten through which it can make connection with any called one of one hundred lines responsive to the transmissions of a tens digit and a units digit thereto, said connector having additional sets of contacts through which it can make connection with any line of an additional group, means in said connector responsive to the transmission of a hundreds digit thereto and depending on the value thereof for determining whether connection is to be made to one of said hundred lines or to one of said additional lines, and means responsive to the receipt of a hundreds digit determining that connection is to be made with one of said additional lines for determining which such line.

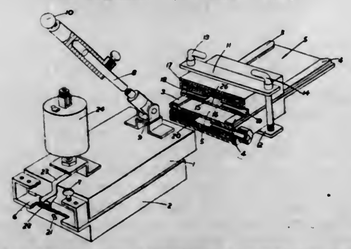
2,365,997
MAIZE HARVESTER
Simon Belfer, Buenos Aires, Argentina
Application October 22, 1941. Serial No. 416,043
15 Claims. (Cl. 56—64)



1. A maize harvesting machine comprising a chassis having a rear end and a forward end, an inclined frame-work secured to one side of the chassis in a rearwardly and upwardly sloping position with respect to said chassis, plant

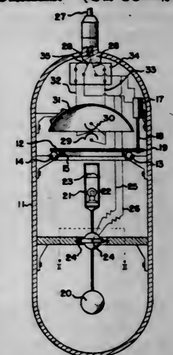
conveyor and stripping means including cob discharging means mounted in said frame, said conveyor means comprising a plurality of gripper means of curved cross-section mounted in parallel spaced relationship on a positively driven endless carrier extending length-wise of said frame and having an inner portion and an outer portion, a second plurality of gripper means of curved cross-section mounted in parallel spaced relationship on a second positively driven endless carrier member extending length-wise of the frame and having inner and outer portions disposed parallel to the inner and outer portions of the first carrier member, the inner portions of the two carrier members being spaced widthwise of the frame to define a passage and being adapted to move rearwardly of the harvester in said passage, said gripper members being arranged so that in said passage their concave sides face forwardly, and their edges remote from the carrier members are in plant gripping relationship, a stripper assembly arranged in the frame rearwardly of said passage and comprising two pairs of stripper rolls, said stripper rolls including a body portion and a plurality of circumferential rings of teeth of diameter larger than said body portion, said rings of teeth being arranged in spaced relationship along said body portion, the stripper rolls of a pair being disposed in parallel relationship with the teeth of one roll projecting into the spaces between the rings of teeth of the other to define a zone of interpenetration, driving means for positively driving said pairs of stripper rolls so that in the zone of interpenetration the surfaces of the rolls are moving in the same direction as the inner portions of the carrier members in said passage, and cob discharging means, including a cob discharging roll having a relatively yielding surface and mounted for rotation cross-wise in said frame in close proximity to the stripper assembly, and elevator means mounted on the chassis and having a portion extending below the cob discharging roll.

2,365,998
METHOD OF AND APPARATUS FOR HEATING MATERIAL TO PERFORM MACHINING OPERATIONS THEREON
Leslie Firth Bentley, Cambridge, England, assignor to Pye Limited, Cambridge, England, a British company
Application October 5, 1942, Serial No. 460,926
In Great Britain March 6, 1942
13 Claims. (Cl. 164—125)



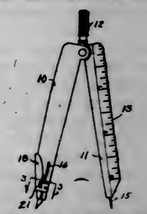
9. Apparatus for adapting a press for the performance of punching, shearing and kindred operations upon non-metallic stock of the class described which is characterised by its inability to withstand such operations without fracture unless heated, which apparatus comprises the combination of an enclosed guide adapted for passage of the stock therethrough and having at least one of its enclosing surfaces forming a wall of a chamber externally of the guide, means for attaching said guide to a press so that the forward end of the guide lies adjacent to the press tool, and means for passing hot compressed air through said chamber so as to heat said guide and thereby indirectly heat the stock as it is advanced through said guide.

2,365,999
BOREHOLE INCLINOMETER
Frank G. Boucher, Tulsa, Okla., assignor to Standard Oil Development Company, a corporation of Delaware
Application December 18, 1942, Serial No. 469,499
2 Claims. (Cl. 33—205)



1. A bore hole inclinometer comprising in combination an elongated casing, a pendulum mounted in the lower portion of said casing for movement in all directions, a source of light carried by said pendulum, means arranged for projecting a beam of light from said source along the longitudinal axis of said casing when said casing is perpendicular, a photo electric cell means mounted in the upper portion of said casing, a circular shutter mounted for rotation between said light source and said photo electric cell means having an opening from its center to its periphery progressively larger than a segment of said circle, means arranged to give said shutter constant rotary speed, means arranged to amplify the signal received by the photo electric cell means and to transmit it to a galvanometer.

2,366,000
COMPASS
Edwin G. Brockman, Indianola, Iowa
Application September 29, 1941, Serial No. 412,793
4 Claims. (Cl. 33—152)



1. In a device of the class described, two elongated arms each having a relatively large width relative to their thickness, a means for hingedly securing said two arms together, a pointed element extending from the free end of one of said arms, a slot in the end of said other arm,

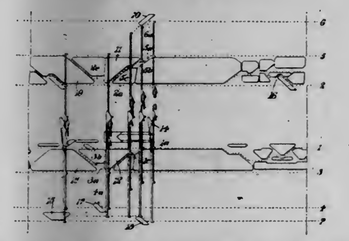
a marking element slidably adjustably positioned within said slot, a handle member pivoted to said last mentioned arm and at one side of said slot, a circular cam slot in said handle member, and a projection on said last mentioned handle member capable of being engaged by said cam slot when said handle member is moved in one direction.

2,366,001

KNITTING MACHINE

Ernest Brooksby and Frederick Edward Deans, Leicester, England, assignors to The Bentley Engineering Company Limited, Leicester, England, a British company

Application August 7, 1943, Serial No. 497,828
In Great Britain July 20, 1942
7 Claims. (Cl. 66—29)



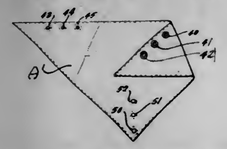
1. A method of transferring loops from one set of needles to another set, which includes the steps of moving a needle of one of said sets into engagement with the corresponding needle of the other set, and by continued movement of said first named needle causing said first named needle to move said second named needle while the latter is out of the control of the usual needle actuating cams.

2,366,002

DIAPER

Elizabeth M. Carden, Beauport East, Quebec, Canada

Application March 30, 1942. Serial No. 436,907
1 Claim. (Cl. 128—284)



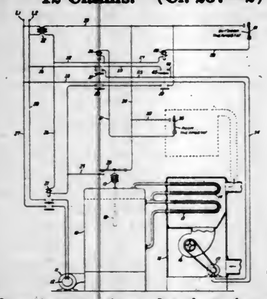
A diaper comprising a flexible triangular body having a hypotenuse margin which is adapted to be assembled waistwise around the infant, said diaper at one corner thereof and parallel with the hypotenuse edge having a plurality of combination male and female snap fastener portions each of which presents at one side of the diaper a male fastener portion and at the opposite side of the diaper a female fastener portion, a plurality of female snap fastener portions at the opposite corner of the diaper parallel with the hypotenuse edge adapted for snap fastener cooperation with the male portions of the combination female and male snap fastener portions first mentioned, and a plurality of male snap fastener portions at the apex of the diaper adapted for selective snap fastener connection with the socket portions of the combination male and female snap fastener portions first mentioned.

2,366,003

HEATING SYSTEM

Harry R. Crago, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application June 16, 1943, Serial No. 490,983
12 Claims. (Cl. 237—2)



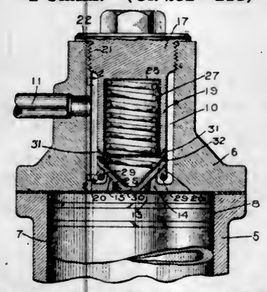
6. A heating system having in combination means for circulating a heat transfer medium, a plurality of means for heating said medium, one of said means being continuously effective, and control means including a thermostat and heating load responsive means for placing the operation of said circulator under the control of said thermostat when the load is below a predetermined value and for operating said circulating means continuously and placing the operation of the other of said heating means under the control of said thermostat when the load is above said value.

2,366,004

COMPRESSOR VALVE

Philip L. Crittenden, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application October 29, 1942, Serial No. 463,756
1 Claim. (Cl. 251—144)



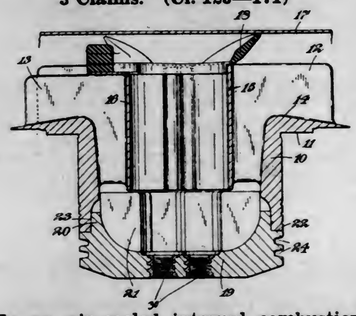
A discharge valve assembly for a fluid compressor, comprising the combination with a valve casing having a valve chamber containing an inlet forming an elevated conical valve seat and having an outlet, of a valve carrier member having a body portion secured in screw-threaded relation with said casing and a cylindrical portion extending longitudinally into said valve chamber in parallel spaced relation with respect to the wall thereof, said cylindrical portion of the carrier member terminating in beveled valve stop surfaces and having a pair of relatively narrow parallel lugs disposed adjacent and outwardly of said elevated valve seat, a hollow frusto-conical valve element having its greatest diameter of substantially the same diameter as that of the cylindrical portion and having internal beveled surfaces conforming to the bevel of the stop surfaces, said valve element having lateral slots for loosely receiving said lugs when said valve element is assembled thereon, whereby said valve element is adapted to be freely guided on said lugs without frictional engagement with other surfaces and to be centered by engagement with said stop surfaces when unseated, pins secured to the ends of said lugs for retaining said valve element on said carrier member, and a spring interposed between said body portion and said valve element for urging the latter into seating engagement with said conical valve seat.

2,366,005

CYLINDER HEAD OF INTERNAL-COMBUSTION ENGINES

Robert Kelman Crowe and Harvey Charles Mansell, Bristol, England, assignors to The Bristol Aeroplane Company Limited, Bristol, England, a British company

Application October 8, 1941, Serial No. 414,204
In Great Britain March 1, 1940
3 Claims. (Cl. 123—171)



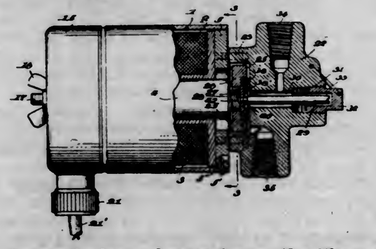
1. In an air-cooled internal combustion engine, a recessed cylinder head comprising a circular base formed integrally with closely spaced cooling fins extending parallel to one another and an upstanding peripheral flange, a cylindrical body-portion interengaged tightly with the flange and formed with radially disposed integral internal cooling fins extending from the top end of the body-portion and baffle means engaging the inner ends of the radially disposed fins to direct air flowing over the top of the cylinder head into and out of the interior of the body portion.

2,366,006

DILUTION VALVE

Merlyn M. Culver, Dayton, Ohio, assignor to United Aircraft Products, Inc., Dayton, Ohio, a corporation of Ohio

Application August 22, 1942, Serial No. 455,817
7 Claims. (Cl. 137—139)



1. In a dilution valve device or the like, a casing, a solenoid in the casing having a coil and a stationary core in the coil, electrical circuit forming means for the coil, a cap closing one end of the casing, and having an outlet for the circuit forming means, means to secure the cap in position, a head secured to the opposite end of the casing and having a valve chamber open at one side and which latter confronts the said opposite end of the casing, a valve in the valve chamber biased to closed position, and confronting the adjacent end of the core, said head having an inlet communicating with the valve chamber, a longitudinal passageway having its outer end extending through the outer end of the head, and its inner end communicating with the valve chamber and an outlet communicating with the passageway; a stem connected to the valve and disposed in the passageway and spaced from the walls of the latter to provide for the flow of fluid along and about the stem, means for closing the outer end of the passageway, and means to energize the coil for effecting opening of the valve.

2,366,007

PRODUCTION OF SYNTHETIC POLYMERIC COMPOSITIONS COMPRISING SULPHONATED POLYMERIZATES OF POLY-VINYL ARYL COMPOUNDS AND TREATMENT OF LIQUID MEDIA THEREWITH

Gaetano F. D'Alelio, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York

No Drawing. Application August 11, 1942, Serial No. 454,434
17 Claims. (Cl. 210—24)

11. The method of treating liquid media to remove cations therefrom which comprises contacting such media with a water-insoluble sulphonated polymerizate of a mixture comprising a poly-vinyl aryl compound and a mono-vinyl aryl compound, said polymerizate having cation exchange properties and being present in quantity sufficient to effect substantially complete removal of cations from said liquid media, and separating said polymerizate from the liquid media.

2,366,008

PRODUCTION OF SYNTHETIC POLYMERIC COMPOSITIONS COMPRISING AMINATED POLYMERIZATES OF POLY-VINYL ARYL COMPOUNDS AND TREATMENT OF LIQUID MEDIA THEREWITH

Gaetano F. D'Alelio, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York

No Drawing. Application August 11, 1942, Serial No. 454,435
17 Claims. (Cl. 210—24)

11. The method of treating liquid media to remove anions therefrom which comprises contacting such media with a water-insoluble aminated polymerizate of a mixture comprising a poly-vinyl aryl compound and a mono-vinyl aryl compound, said polymerizate having anion exchange properties and being present in quantity sufficient to effect substantially complete removal of anions from said liquid media, and separating said polymerizate from the liquid media.

2,366,009

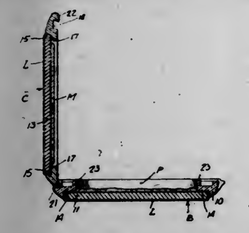
VANITY CASE OR COMPACT

John De Pasquale and Alexander Westerman, Brooklyn, N. Y., assignors to Hardy Metal Specialties Inc., Brooklyn, N. Y., a corporation of New York

Application June 6, 1944, Serial No. 538,978
2 Claims. (Cl. 206—37)

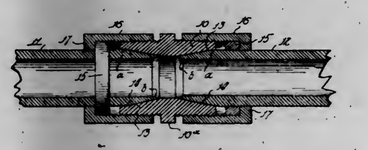
1. A container of the character described comprising a base section and a cover section hing-

edly connected thereto, each of said sections having a frame member formed with an inwardly offset wall, a disc member seated on and secured to each of said offset walls, the frame member of the cover section having an integral annular rib depending therefrom, the frame member of



the base section having an annular groove formed therein adapted to receive said rib when the container is closed, said base frame member also having an integral upstanding annular wall, said wall adapted with the inner face of the base disc member to form a circular base compartment.

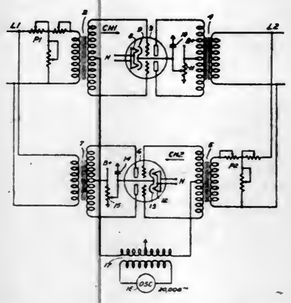
2,366,010
PIPE COUPLING
Charles A. Dies, Chicago, Ill., assignor of one-half to Oscar W. Pederson, Aurora, Ill.
Application December 20, 1943, Serial No. 514,965
4 Claims. (Cl. 285—122)



1. Means for connecting pipes to couplings, valves, and other plumbing fixtures, comprising a coupling member having an inwardly tapered plain opening at its outer end, in association with a pipe tapered at its end to correspond with the tapered opening in the coupling member and threaded circumferentially into and for a short distance from the inner or upper end of the tapered portion, an abutment on the pipe, and an internally flanged nut or sleeve threaded on the coupling member with the flange in engagement with the abutment to force the tapered end of the pipe into the tapered opening in the coupling member by a turning motion and to threadedly engage the outer end of said tapered opening by cutting a thread therein.

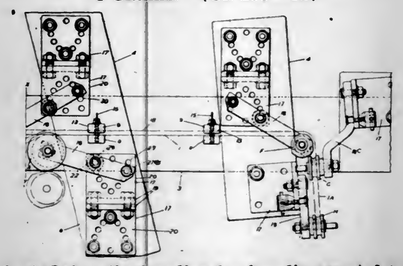
2,366,011
TWO-WAY AMPLIFIER
Harry J. Donaldson, Chicago, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a corporation of Illinois
Application July 23, 1941, Serial No. 403,674
1 Claim. (Cl. 179—170)

A repeater comprising two amplifying channels interconnected with a common signal line, each channel including a separate amplifying tube having a cathode and an anode, potential means for driving space current through each tube by way of its cathode and anode, means for applying signal potentials to the space between each cathode and its associated anode pursuant to amplifying received signals by varying the associated space current, means for applying a blocking potential continuously to each said space, and means for applying an unblocking potential intermittently to each said space, said unblocking potential being applied alternately to the two said spaces, said blocking potential being sufficient to block the flow of space current when no sig-



nals are being received and additionally sufficient to block such flow when signals are being received, and said unblocking potential being sufficient to reestablish the space current at such a value that the space current responds faithfully to the applied signal potentials during such time as the unblocking potential is applied.

2,366,012
APPLIANCE FOR BENDING TUBES, RODS, AND THE LIKE
Frederick Cecil Draper, Chipping Sodbury, and John Shaw, Wotton-under-Edge, England, assignors to Parnall Aircraft Limited, Yate, near Bristol, England, a British company
Application August 25, 1943, Serial No. 499,990
In Great Britain October 20, 1942
8 Claims. (Cl. 153—32)



1. A fixing jig for dies for bending metal tubes or rods comprising an angle bracket consisting of a pair of integral flat plates at right-angles to each other, one of said plates being perforated with three holes each lying at a corner of an equilateral triangle and with series of holes lying on circular arcs each of which extends from one corner of said triangle to another corner thereof and which is struck about the third corner of said triangle as center, a die-carrying arm, a pair of bolts passing through spaced holes in said arm and through one corner hole in said plate and through one of the holes of the opposite series to fix said arm to said plate and a profiled bending die secured to the free end of said arm and formed as a flat plate with a rim grooved to receive the bent tube or rod.

2,366,013
ANTICORROSION AGENTS
Gordon W. Duncan, Scotch Plains, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application July 5, 1941, Serial No. 401,262
5 Claims. (Cl. 252—47)

1. A substantially anhydrous lubricating composition of high load-bearing characteristics comprising a mineral oil admixed with a compound containing halogen and sulfur in a form normally corrosive to metals, said compound being adapted to increase the load-bearing capacity of the oil, and a dicyclohexylamine salt of an organic acid selected from the group consisting of high molecular weight fatty acids and petroleum naphthenic acids, said salt being present in amounts sufficient to inhibit corrosion of metals by said composition.

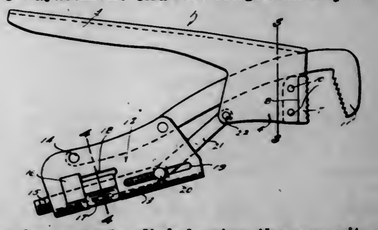
2,366,014
SAFETY SWITCHING ARRANGEMENT FOR ELECTRICALLY HEATED APPLIANCES
Frank E. Finlayson, Ontario, Calif., assignor to General Electric Company, a corporation of New York
Original application December 16, 1941, Serial No. 423,170. Divided and this application October 8, 1943, Serial No. 505,470
2 Claims. (Cl. 219—25)



1. In an electrically heated portable appliance having a handle and a heating element, a thermally actuated safety switch comprising three substantially parallel switch arms having corresponding ends fixed and their other ends free to move, a first pair of cooperating contacts on the free ends of the first and second switch arms, a second pair of cooperating contacts on the free ends of said second and third switch arms, the second switch arm biasing said second pair of contacts to separate, a thermostatic latch for holding said second and third switch arms in position to hold said second pair of contacts closed, an energizing circuit for said heating element established when all of said contacts are closed which includes said first and second switch arms to the exclusion of said thermostatic latch, and a second energizing circuit for said heating element established when said second pair of contacts only are closed, which circuit includes said thermostatic latch and said second and third switch arms, the thermostatic latch being heated by the passage of current through it when said second circuit is established to move to open said second pair of contacts, and manually operated means associated with said handle arranged to close both of said pairs of contacts when said handle is grasped by an operator of said appliance.

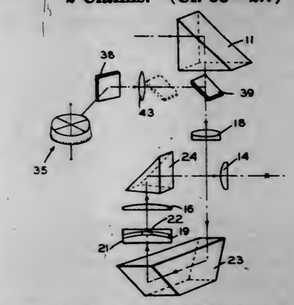
2,366,015
WRENCH
Friedriech Carl Fischer, De Witt, Nebr.
Application February 26, 1944, Serial No. 524,046
1 Claim. (Cl. 81—84)

A wrench of the class described comprising a pair of levers, a toothed lateral jaw on one end of one lever, means to connect said levers together in pivoted sliding relation comprising a pair of opposed laterally spaced cheek plates extending from one end of the other lever and a bar-like toothed jaw secured between edges of said plates opposite the first-mentioned jaw, the bar-like jaw forming with the first-mentioned lever and said edges of the cheek plates an aperture, and said other lever slidably extending through the space between said cheek plates and out of said aperture, a screw shaft, means to mount said shaft in said other lever for manipulative adjustment endwise longitudinally of said



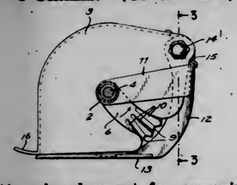
other lever, and a link having the opposite ends thereof pivoted to said shaft and between said cheek plates, respectively, said means comprising a clip-like, barrel-forming member fixed to said other lever and having said shaft rotatably mounted in the barrel formed thereby for adjustment along said barrel, and slot and pin connections between said barrel and shaft for preventing rotation of the shaft in the barrel.

2,366,016
OPTICAL INSTRUMENT
Edward F. Flint, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application April 7, 1943, Serial No. 482,144
2 Claims. (Cl. 88—2.7)



1. In an instrument of the type described, an objective; a pivotally mounted reflector for directing light rays from a distant object to said objective; a bubble level having a bubble constrained in movement to an arc substantially coincident with the focal plane of said objective; directional means for indicating direction; a stationary reflector in optical alignment with said means; a transparent reflector mounted for reciprocal movement between alternate positions in the path of the light rays directed by said stationary reflector and in one of said alternate positions adapted to direct light rays from said directional means reflected thereto by said stationary reflector in a path substantially coincident with the path of the light rays directed to said objective by said pivotally mounted reflector whereby said objective forms superimposed images of the distant object and said directional means; and an eyepiece for viewing said bubble and the superimposed images formed by said objective.

2,366,017
MEANS FOR CUTTING CASTS
Harold G. Fortune, Lake Placid, N. Y.
Application June 13, 1944, Serial No. 540,123
5 Claims. (Cl. 30—167)

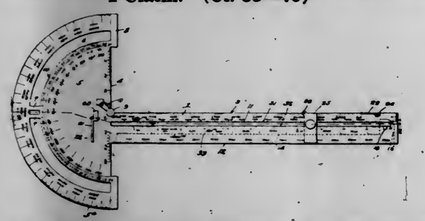


1. A cutting implement for severing casts and the like comprising a portable motor housing having a bearing extension, an electric motor in the housing, a protruding armature shaft for the motor bearing in the extension, a circular saw mounted on the outer end of the shaft, a thin bar constituting a shoe member disposed proximate and substantially tangential to the cutting edge of the saw and adapted to be entered underneath a cast, and means extending from the rear end of the shoe member for attaching it to the housing extension including an arm at the rear of the saw substantially the thickness of the saw and in the plane thereof, the saw being rotated in a direction to move the cutting portion toward the said arm in the plane of the saw and the cutting edges of the teeth being pitched rearwardly to less than a 45° angle with the tangent.

2,366,018
ANTIOXIDANT
Carlin F. Gibbs, Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application October 15, 1943, Serial No. 506,426
14 Claims. (Cl. 260—808)

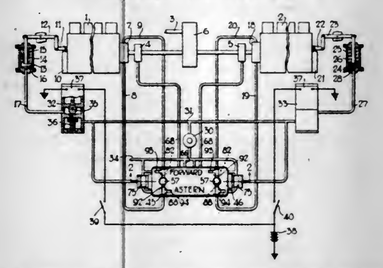
8. A composition comprising a rubber and a compound of the structure R_1—NH—R_2 in which R_1 is an aromatic radical and R_2 is an indan radical attached to the nitrogen at the 5-position, said compound being free from acidic groups.

2,366,019
PLOTTING INSTRUMENT
Charles Fremont Golden, Denver, Ind.
Application January 25, 1943, Serial No. 473,520
1 Claim. (Cl. 33—75)



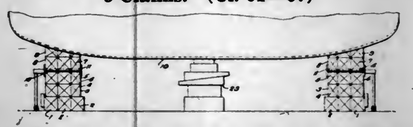
A plotting instrument including a head, a blade extending from the head and having a longitudinal slot, an extension blade hingedly mounted on one face of the blade and pivotally connected to said blade and adjacent to that end thereof remote from the head, said blade being movable into position under the blade and parallel with and into position between the slot and one longitudinal edge and being movable to position outwardly from the blade with one edge in line with one of the edges of the blade, said blade having an obliquely disposed transverse shoulder on one face provided with a tapered groove, the free end of the extension blade being tapered and obliquely disposed for wedging engagement in the groove to hold the blade frictionally in folded position between edges of the slotted blade, and cooperating means on the two blades for limiting the movement of the extension blade when swung outwardly about its pivotal connection.

2,366,020
CONTROL SYSTEM
John N. Good, Wilmerding, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Original application July 30, 1942, Serial No. 452,950. Divided and this application April 30, 1943, Serial No. 485,115
7 Claims. (Cl. 192—01)



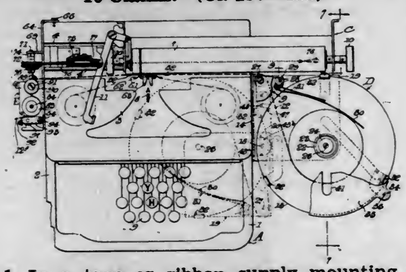
1. A system for controlling the power output of an internal combustion engine and the connecting and disconnecting of said engine to and from a member to be driven, said system comprising in combination, power control means adjustable to vary the power output of said engine and having a condition providing for operation of said engine at a chosen reduced output, manually operable means for adjusting said power control means, coupling means for connecting and disconnecting said engine to and from said member, a manually operable lever for controlling said coupling means and having one position to effect operation of said coupling means for disconnecting said engine from said member and movable to another position to effect operation of said coupling means to connect said engine to said member, and means controlled by said manually operable means operable to prevent movement of said lever from said one position with said power control means adjusted to provide an output of said engine substantially above said chosen reduced output.

2,366,021
MEANS FOR USE IN LAUNCHING SHIPS
Alexander F. Gray, Savannah, Ga.
Application August 20, 1943, Serial No. 499,413
5 Claims. (Cl. 61—67)



1. A means for use in launching ships' hulls, including ways on which the hull is supported, and a plurality of independent hose elements arranged relative to the ways to act thereon to influence movement of the ways, and a source of fluid pressure to inflate the hose elements at will.

2,366,022
TYPEWRITING MACHINE
George F. Handley, Glendale, N. Y., assignor to Royal Typewriter Company, Inc., New York, N. Y., a corporation of New York
Application June 19, 1942, Serial No. 447,701
10 Claims. (Cl. 197—133)



1. In a tape or ribbon supply mounting for typewriting or like machines, a frame part at one end of the machine main frame, a tape or ribbon supply spool; a journal for said spool; and means mounting said journal on said frame part for movement selectively to a position in which the spool is journalled generally beyond said end of said main frame and to a position over said main frame and generally within the horizontal margins of said main frame.

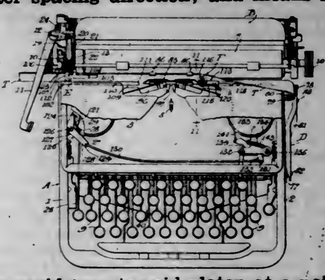
2,366,023
TYPEWRITING MACHINE
George F. Handley, deceased, late of Glendale, N. Y., by Matilda J. Handley, executrix, Yonkers, N. Y., assignor to Royal Typewriter Company, Inc., New York, N. Y., a corporation of New York
Original application June 19, 1942, Serial No. 447,701. Divided and this application March 24, 1943, Serial No. 480,368
6 Claims. (Cl. 197—91)



1. In back spacing mechanism for typewriting and like machines, escapement mechanism including an escapement wheel and means for controlling advancing rotation of said wheel; back spacing actuator means for rotating the escapement wheel reversely; a back check element for normally preventing reverse rotation of said escapement wheel; and means for rendering said back check element ineffective to thereby permit reverse rotation of said escapement wheel by said actuator means.

2,366,024
TYPEWRITING MACHINE
George F. Handley, deceased, late of Glendale, N. Y., by Matilda J. Handley, executrix, Yonkers, N. Y., assignor to Royal Typewriter Company, Inc., New York, N. Y., a corporation of New York
Application March 24, 1943, Serial No. 480,369
24 Claims. (Cl. 197—133)

7. In a typewriter or like machine, a frame; a carriage mounted for letter spacing and return movements on said frame; a platen on said carriage; a tape supply; means for training tape from said supply to extend along the writing line of said platen; means for connecting said tape to said platen at a point beyond the printing zone to cause said tape to travel with said platen in letter spacing direction; and means for connecting said tape to said platen at a point short of the printing zone to cause said tape to travel with said platen during back spacing movement of said platen.

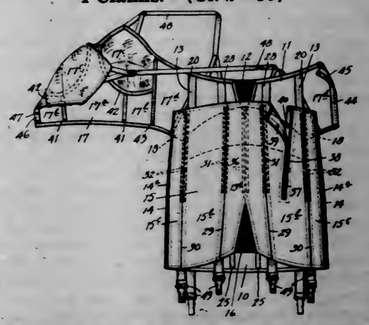


2,366,025
LIGNOCELLULOSIC ARTICLE AND METHOD OF MANUFACTURE
Horace W. Hall, Newton, Mass.
Application December 21, 1942, Serial No. 469,657
12 Claims. (Cl. 117—65)



1. A method of manufacture comprising applying a mixture of urea formaldehyde glue with a catalyst and asbestos to a surface of a lignocellulosic substance, applying pressure to said substance sufficiently to establish capillary attraction between said substance and said mixture, and applying heat and increased pressure to said substance until said mixture and latter-mentioned asbestos chemically react and harden and are integrally united to said substance.

2,366,026
CORSET AND THE LIKE
George E. Hawes, Bridgeport, Conn.
Application January 23, 1941, Serial No. 375,563
4 Claims. (Cl. 2—30)



1. A foundation garment comprising in combination, a front portion comprising an upper part and a lower part vertically offset and overlapped with respect to each other, and a back

portion comprising an upper part and a lower part vertically offset and overlapped with respect to each other, the side edges of the upper and lower parts of said front and back portions being disposed and secured together along a substantially vertically extending non-elastic seam line at each side extending from the top edge to the bottom edge of the garment, and the offset bottom and top edges of said upper and lower parts of said front and back portions extending to said lines and being unattached and free with respect to the underlying and overlying portions of the relatively movable portions of the garment between said lines, said lines constituting relatively fixed anchorage points at each side with respect to which said edges are free to simultaneously move to expand and contract said front and back portions in substantial correspondence with the movements of the front and back portions of the body relatively to a neutral axis point at each side in the region of the waist line, said lines being arranged to coincide with said axis points, and the anchoring points of the lower edges of the front and back upper parts being vertically spaced from each other along said seam lines and the upper edge of the front and back lower parts being vertically spaced from each other along said seam lines.

2,366,027

DETERGENT AND WETTING COMPOSITIONS

Clyde O. Henke, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application April 1, 1942, Serial No. 437,277

5 Claims. (Cl. 252—161)

1. A composition of matter having detergent and wetting properties, comprising 1 to 15% by weight of a water-immiscible alcohol, 1 to 20% by weight of a water-miscible alcohol, the said percentages being based on the weight of the sulfonate hereinafter defined, and a water-soluble saturated hydrocarbon sulfonate from the group consisting of sulfonic acids and water-soluble salts thereof, having at least 5 carbon atoms and being the residue left after extraction in the liquid phase with a hydrocarbon which is solid at 20° C. of the aqueous mass obtained by hydrolysis of a crude reaction mass comprising sulfonyl-chloride derivatives of non-aromatic hydrocarbons having at least 5 carbon atoms in admixture with unreacted hydrocarbons of the same group.

2,366,028

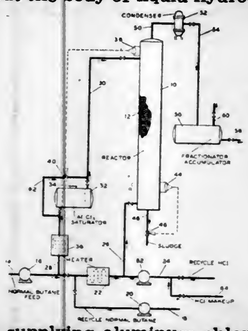
ISOMERIZATION OF HYDROCARBONS

Robert W. Henry, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

Application December 7, 1943, Serial No. 513,263

13 Claims. (Cl. 260—683.5)

1. A process for the isomerization of normal butane to produce isobutane which comprises continuously introducing a stream of normal butane containing a catalyst-activating amount of hydrogen chloride into a low point of a reaction zone containing a permeable bed of solid catalyst-supporting material, flowing said stream upwardly through said bed in contact with a downwardly flowing stream of active aluminum chloride catalyst sludge distributed over said catalyst supporting material so as to ensure intimate contact between sludge and butane, maintaining a level of liquid hydrocarbons at a high point of said reaction zone, maintaining said zone at temperatures within the range of about 200 to about 250° F. and under the vapor pressure of the mixture therein, supplying sufficient heat to said zone including exothermic heat of reaction as to ensure boiling of the reaction mixture substantially throughout the body of liquid hydrocarbons, con-



tinuously supplying aluminum chloride dissolved in liquid butane to a high point of said bed, withdrawing sludge from a low point in said zone, continuously withdrawing vapors from a point above said liquid level, and recovering isobutane from said vapors.

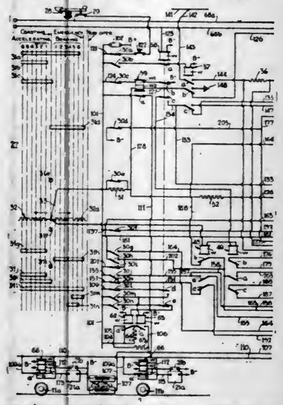
2,366,029

PROPULSION AND BRAKING CONTROL SYSTEM

Claude M. Hines, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application December 31, 1942, Serial No. 470,806

36 Claims. (Cl. 172—179)



2. In a motor control system, the combination of means for establishing a motor circuit, a plurality of motor controlling resistors in the motor circuit, a stepping relay operative reversibly between two extreme positions for progressively varying the amount of one of said resistors included in the motor circuit, means controlled according to the current in the motor circuit for controlling the operation of the stepping relay, means effective when the said stepping relay reaches one of its extreme positions in which the said one resistor is completely excluded from the motor circuit for cutting another of said resistors out of the circuit, for effecting reversal of the stepping relay, and for reconnecting said one resistor in the motor circuit in a manner to be progressively excluded as the stepping relay moves toward the other extreme position, and means effective when the stepping relay reaches said other extreme position in which the said one resistor is again completely excluded from the motor circuit for cutting another of said resistors out of the motor circuit, for reversing said stepping relay, and for reconnecting the said one resistor in the circuit in a manner such that movement of the stepping relay toward the said one extreme position is again effective to progressively exclude said resistor from the motor circuit.

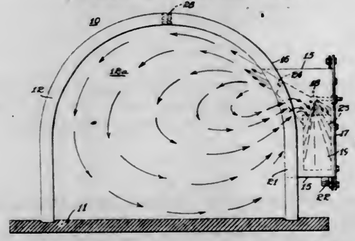
2,366,030

METHOD OF AND MEANS FOR INDUCING ARTIFICIAL FEVER

Ferry C. Houghten and Murray B. Ferderber, Pittsburgh, Pa.

Application August 5, 1940, Serial No. 351,456

2 Claims. (Cl. 128—373)



1. An apparatus for applying moist heat to a localized area of a human body, comprising an enclosure to fit over the portion of the body to be treated and providing a relatively free main space compartment within the enclosure; and means for circulating a stream of saturated air through the compartment, said means comprising a conduit communicating with the main compartment, of J-shape, a water-spray head disposed at one end of the J-conduit vertically, and operative to drop its fluid spray into the conduit and to aspirate the air from the main compartment into and through the conduit, and thence back into the main compartment; the conduit having a drain at its lower end for the removal of any water from the spray that is not absorbed by the air stream, the spray end of the conduit being disposed to draw the air from the lower levels of the main compartment, and the other end of the conduit being disposed to direct the propelled saturated air to the upper level of the main compartment.

2,366,031

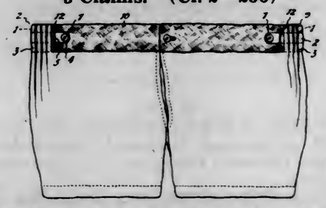
UNDERPANTS OR SHORTS

Allan James, Melbourne, Victoria, Australia

Application August 6, 1942, Serial No. 453,857

In Australia August 16, 1941

3 Claims. (Cl. 2—236)



1. Underpants or shorts having a body of stretchable fabric a waistband consisting of completely independent front and rear portions of substantially non-stretchable fabric and two side portions of stretchable fabric positioned over the wearer's hips, the side portions of stretchable fabric being formed by exposed portions of the body fabric, two removable elastic bands extending across said side portions of stretchable fabric, and means on the portions of non-stretchable fabric for removably securing the ends of said elastic bands in operative position relative to the portions of stretchable fabric.

2,366,032

FOUNDATION GARMENT

Hallie Lee Jasper, Bridgeport, Conn., assignor to The La Resista Corset Company, Bridgeport, Conn., a corporation of Connecticut

Application February 5, 1943, Serial No. 474,783

3 Claims. (Cl. 2—37)



1. A foundation garment, comprising a front section, side sections, and a back section including a non-elastic back panel member extending from the lower edge of the garment to a transverse line in proximity to the waistline, an upper member vertically spaced from said back panel member disposed above the waistline, a vertically elastic transversely disposed insert member secured between said back panel member and said upper member and having greater vertical inherent elasticity and stretching capacity at its end portions than at its central portion, and back garters secured to the lower edge of said back panel respectively in proximity to each side edge thereof, their pull lines being substantially in vertical line with the end portions of said insert member.

2,366,033

VIBRATOR

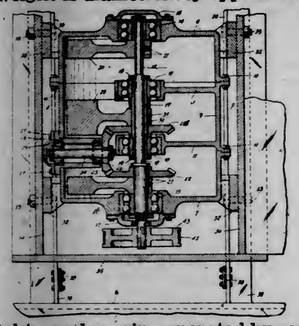
Robert L. Johnstone, University City, Mo.

Original application August 21, 1942, Serial No. 455,657. Divided and this application January 8, 1943, Serial No. 471,747

8 Claims. (Cl. 74—61)

1. Mechanism for producing and imparting vibratory motion comprising a housing having end walls, bearings supported by said end walls, a driven shaft journalled for rotation in said bearings, a pair of spaced alined unitary and radially immovable weights each having a circumferential length of about 180° attached to said shaft for rotation thereby, a pair of spaced bearings supported by said housing between said weights and between and axially alined with said first bearings, a tubular shaft between said weights coaxial with said driven shaft and journalled in said pair of bearings for rotation relative to said driven shaft, a unitary and radially immovable weight attached to said tubular shaft between said pair of bearings and having about the same circumferential length as said first named weights

and cooperating therewith to distribute centrifugal forces through a complete circle when said second weight is diametrically opposite from said

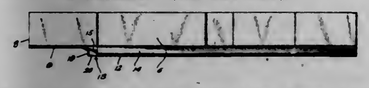


first weights, and gearing operated by said driven shaft for rotating said tubular shaft and thereby said second weight.

2,366,034
PROCESS FOR PRODUCTION OF AZO DYESTUFF
Nicholas J. Letang, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 21, 1943, Serial No. 487,966
2 Claims. (Cl. 260—207)

1. The process of preparing a dyestuff which comprises coupling diazotized para-nitro-aniline to para-chloro-phenol, reducing the product with sodium disulfide, isolating it, and acetylating it with acetic anhydride.

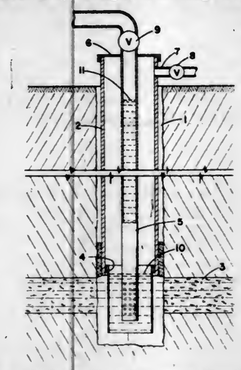
2,366,035
BOAT
Martin Leone, Perth Amboy, N. J.
Application September 11, 1943, Serial No. 502,036
3 Claims. (Cl. 114—56)



1. A boat including a flat bottom, vertical sides and a stern, the sides converging forwardly to form a sharp bow, a strip secured to the bottom along its longitudinal center line, and planks extending longitudinally of the bottom at opposite sides of the strip with one edge of the planks secured to the sides of the strip and the other edge of the planks secured to the bottom inwardly of the sides of the boat to provide a hollow V-shaped keel, said stern having an extension on its lower edge closing the rear end of the hollow keel, and a beveled block having rearwardly inclined side edges and a pointed front end closing the front end of the hollow keel.

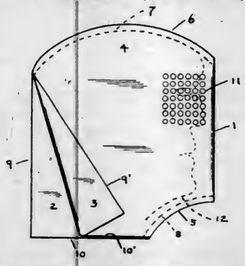
2,366,036
PRODUCING OIL
Miles C. Leverett and Gilbert G. Wrightsman, Houston, Tex., assignors to Standard Oil Development Company, a corporation of Delaware
Application November 21, 1941, Serial No. 419,900
3 Claims. (Cl. 166—22)

1. A method for selectively plugging formations producing oil and water traversed by a borehole to decrease the production of water therefrom, which comprises reacting a mixture of substances, capable of condensing to form a solid resin, soluble in oil and insoluble in water, to an intermediate oily stage, forcing the oily inter-



mediate product into the formations to be treated, and holding them in place until the reaction is completed and said solid resin is deposited in the formations.

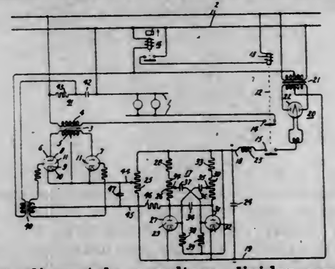
2,366,037
DISPOSABLE HEAD AND FACE COVERING
Sarah Rachel Libby, New Haven, Conn.
Application July 21, 1943, Serial No. 495,599
2 Claims. (Cl. 2—174)



1. A disposable temporary head covering comprising a single sheet of material folded on a line intermediate opposed ends thereof in the provision of a pair of superposed layers, the layers at the upper edges thereof being convex and secured together, the lower edges of the layers adjacent the fold line in the sheet being concave and secured together, the remaining portions of the lower edges being substantially straight and perpendicular to the rear edges which are substantially parallel with the fold line, the straight portions of the lower edges and the rear edges being free in the provision of an opening to admit the head of the wearer within the covering, and the secured concave edges providing a closed portion beneath the chin of a wearer to restrain withdrawal of the covering in an upward direction.

2,366,038
ELECTRIC VALVE CONTROL CIRCUITS
Orrin W. Livingston, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application February 28, 1942, Serial No. 432,901
15 Claims. (Cl. 250—27)

2. In combination, an alternating current supply circuit, a load circuit, electric translating apparatus connected between said circuits and comprising electric valve means having a control member, means for controlling the conductivity of said electric valve means to effect intermittent energization of said load circuit and comprising a source of direct current, a pair of electric paths connected across said source and each comprising in series relation a resistance and an electric discharge device having a grid, commutating means connected across said electric paths, means connected between the grids of the electric discharge devices and said source for energizing the grids so that the discharge devices conduct



current alternately, a voltage divider connected across said source, means connecting a point on one of said paths and a point of said voltage divider to the control member of said electric valve means so that said electric valve means is rendered conducting when the discharge device in one of said paths is conducting and is maintained nonconducting when the other of said discharge devices is conducting, and independent means associated with each of the resistances in said pair of discharge paths for controlling the voltage impressed on said control member to control the interval of conduction of the discharge device associated with each of said paths.

2,366,039
SHOE AND OUTSOLE THEREFOR
William Mackensen, New York, N. Y., assignor to Industrial Exploitation Corporation, Long Island City, N. Y., a corporation of New York
Application January 27, 1943, Serial No. 473,667
7 Claims. (Cl. 36—19.5)



1. In a cemented shoe having an upper, an insole, and an outsole, said outsole comprising a leather sole blank having a layer of fibres adhesively secured to the upper surface thereof, and a coating of adhesive on the upper surface of said layer of fibres, said layer of adhesive coated fibres having a plurality of indentations in the upper surface thereof, said outsole blank being secured to said insole and to the lasting allowance of said upper by said layer of fibres and said adhesive.

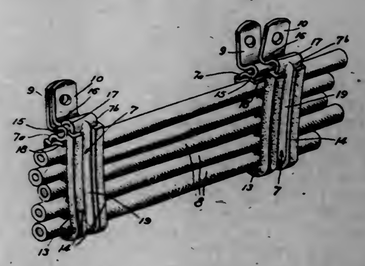
2,366,040
OPTICAL SYSTEM
John A. Maurer, Jr., New York, N. Y., assignor to J. A. Maurer, Inc., New York, N. Y, a corporation of New York
Application July 4, 1942, Serial No 449,797
2 Claims. (Cl. 88—24)

1. In an optical system for printing on a positive film from a negative film having a sound track thereon, the combination of a first plane through which said negative film may move vertically, a second plane through which said positive film may move vertically and in the same direction as said negative film, means for uniformly illuminating an area in said first plane, said area being on said sound track when said negative film moves through said first plane, first imaging means acting in only the vertical plane and forming an image of said illuminated area at a point intermediate said first and second planes, second imaging means acting in only the vertical plane and imaging said image in said



second plane, and third imaging means acting in the horizontal plane and imaging said first imaging means substantially at said second imaging means so as to concentrate the light flux proceeding through said optical system into said second imaging means; said first imaging means being the only imaging means having at its conjugate foci said illuminated area and said intermediate point, said second imaging means being the only imaging means having at its conjugate foci said image and said second plane, and said third imaging means being placed approximately at said intermediate point.

2,366,041
WIRE SUPPORTING CLIP
Eugene M. Morehouse, Tujunga, Calif., assignor to Adel Precision Products Corp., a corporation of California
Application April 9, 1943, Serial No. 482,485
7 Claims. (Cl. 248—74)



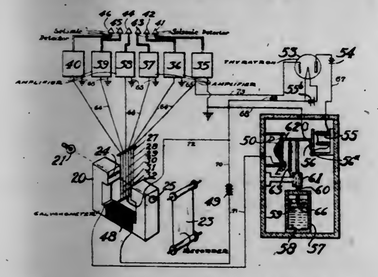
1. In a clip for supporting a group of wires, a strap formed into an elongated loop closed at one end and open at its other end and adapted to embrace a group of wires; normally spaced apart end portions of the strap adapted to be brought together to close the loop and provide for the fastening of the clip to a support, one leg of said loop and the end portion thereon being substantially aligned, the other end portion being laterally offset toward said aligned end portion, said strap being doubled at the juncture of said one leg with said aligned end portion and extended toward the other leg of the strap to form a snap fastening tongue; and a snap fastening shoulder formed at the juncture of the offset end portion and said other leg and adapted to be moved into locked engagement with said tongue when said ends are brought together.

2,366,042
LUBRICANTS
John D. Morgan, South Orange, N. J., assignor to Cities Service Oil Company, New York, N. Y., a corporation of Pennsylvania
No Drawing. Application October 22, 1942, Serial No. 462,903
12 Claims. (Cl. 252—36)

1. A lubricant having comparatively uniform viscosity over a wide temperature range, consisting of normal hexyl ether having a small amount of an extreme pressure addition agent dissolved therein.

11. A lubricant comprising a major proportion of normal hexyl ether and a minor proportion of lithium and aluminum stearates, the aluminum stearate being present in smaller proportion than the lithium stearate, and said stearates being present in the lubricant in sufficient proportion to impart a grease consistency to the lubricant.

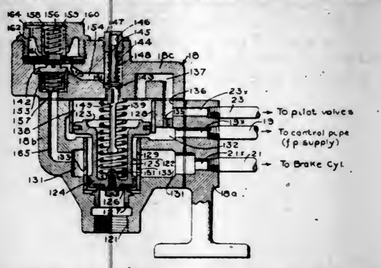
2,366,043
AUTOMATIC GAIN ADJUSTING DEVICE FOR REFLECTION SEISMOGRAPHS
Whitman D. Mounce, Houston, Tex., assignor to Standard Oil Development Company, a corporation of Delaware
Application June 26, 1936, Serial No. 87,418
5 Claims. (Cl. 177—352)



2. Seismic prospecting apparatus comprising means for converting seismic waves, the amplitudes of which decrease as a function of time, into electrical pulsations of corresponding amplitudes, a recorder connected to said means having in an electromagntic field a plurality of responsive elements adapted to be activated proportionately to the amplitudes of the pulsations and means for increasing the electromagnetic field and, thereby, the responsiveness of said elements at a rate corresponding to the rate of decrease of the amplitudes of said pulsations.

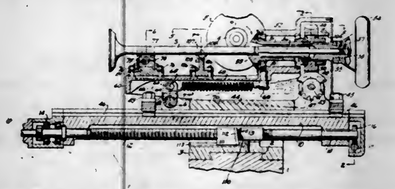
2,366,044
VALVE DEVICE
Joseph C. McCune, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Original application April 30, 1943, Serial No. 485,130. Divided and this application February 24, 1944, Serial No. 523,650
4 Claims. (Cl. 303—69)

1. A vent valve mechanism for controlling the supply of fluid under pressure to and the release of fluid under pressure from a fluid pressure receiving device, said mechanism comprising a valve device effective in one position to establish a communication through which fluid under pressure is supplied to the device and effective in a different position to close said supply communication and establish a communication through which fluid under pressure is vented from said device, a control chamber chargeable with fluid under pressure, said valve device being operated in response to a predetermined rate of reduction of the pressure in said chamber from its said one position to its said different position, valve means effective in the said different position of said valve device for establishing communication between said con-



trol chamber and said receiving device whereby to cause continued reduction of the pressure in the control chamber in accordance with the reduction of the pressure in the said device, and means responsive to the reduction of the pressure in said fluid pressure receiving device to below a certain value for closing said communication to thereby effect restoration of said valve device to said one position.

2,366,045
SLOTTING MACHINE
Elsmere W. McKinney, Cleveland Heights, Ohio, assignor to William H. Taylor, Mentor-on-the-Lake, Ohio, as trustee
Application June 20, 1941, Serial No. 398,991
20 Claims. (Cl. 90—58)

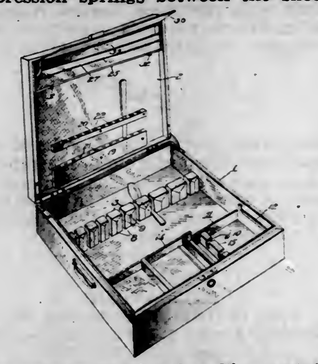


1. In a metal cutting machine, a rotatable holder for work adapted to have different angularly spaced surfaces presented to a cutter, a frame for the holder, a supporting table for the frame, a pivotal connection between the frame and table extending transversely of the work holder rotational axis for enabling swinging movement of the work toward and away from the cutter about the pivotal axis, a shaft coaxial with the pivot, means for turning the shaft, an indexing gear on the work holder, a complementary indexing gear rigid with the shaft coaxial therewith and engageable with and disengageable from the first mentioned indexing gear, said gears cooperating intermittently for turning the work holder into indexed positions upon rotation of the shaft.

2,366,046
CHEST FOR SILVERWARE
Morris I. Naken, Chicago, Ill.
Application December 5, 1941, Serial No. 421,748
3 Claims. (Cl. 206—1)

1. A device adapted to form a section of a rack for receiving and yieldably gripping a spoon handle or like object, comprising a block-like body

member, loose, flat shoes on opposite sides thereof, compression springs between the shoes and

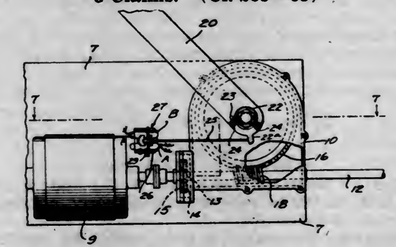


the body member, and a bag-like container of flexible sheet material holding the assembly together.

2,366,047
PROCESS OF COATING A PIGMENT AND COATING COMPOSITION CONTAINING THE TREATED PIGMENT
Ludwig Francis Nerlinger, Marshallton, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 14, 1943, Serial No. 483,058
18 Claims. (Cl. 106—124)

1. A process for treating pigment-useful substances to improve the flat hiding power of aqueous coating compositions containing the same which comprises intimately associating with a prime white pigment through milling treatment from about 1% to 40% by weight, on the pigment basis, of a colloidal swelling type bentonite earth containing montmorillonite as its chief constituent.

2,366,048
DOOR OPERATING MECHANISM
Charles Opalek, Brooklyn, N. Y.
Original application June 4, 1942, Serial No. 445,691. Divided and this application September 20, 1943, Serial No. 503,023
3 Claims. (Cl. 268—63)

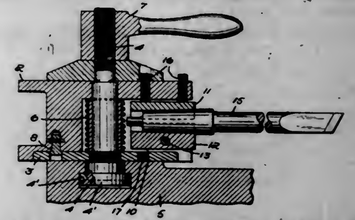


1. For a swinging door, an operating mechanism comprising a reversible electric motor, a reversing switch arranged selectively in control of the operation of said motor, a worm operated by the motor, a worm wheel driven by the worm, toggle arms having one end of the toggle fixed on the worm wheel shaft and the other end attachable to a door, a crank member loosely pivoted on the worm wheel shaft, a lateral pin on the adjacent toggle arm, circumferentially spaced peripheral projections on the crank arm in the path of the pin and cooperative with the pin to impart a partial rotation to the crank with each extreme movement of the toggle arm, and a rod operatively connecting the crank and reversing switch.

2,366,049
RESIN COMPOSITION AND METHOD OF MAKING THE SAME
Claron R. Payne and Raymond B. Seymour, Allentown, Pa., assignors to The Atlas Mineral Products Company, Mertztown, Pa., a corporation of Pennsylvania
No Drawing. Application February 27, 1941, Serial No. 380,928
9 Claims. (Cl. 260—41)

1. The method of producing an alkali-acid-proof cement of 4 to 100 seconds' viscosity which comprises dissolving polyvinyl butyral in furfuryl alcohol, the quantities thereof being proportioned to produce a resin of said viscosity, and then polymerizing the furfuryl alcohol by adding an organic acid catalyst of sufficiently reduced concentration to maintain the cement in a workable condition for approximately 30 minutes at room temperature, said catalyst having an ionization constant of not less than 1.38×10^{-4} at 25° C.

2,366,050
TOOL SUPPORT
Conrad E. Peterson, Auburndale, and Gordon L. Olson, Arlington, Mass.
Application October 15, 1941, Serial No. 415,050
1 Claim. (Cl. 29—48)

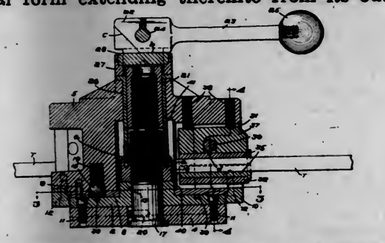


In a tool supporting structure, the combination of a turret mounted for indexing movement, said turret being provided with a plurality of upright slots in the edge thereof, a tool holder positioned in one of said slots and adapted to support a tool in an approximately horizontal position, a pivot extending horizontally through said slot transversely thereto, said holder being divided into upper and lower sections and the lower section being supported on said pivot but the upper section being loose vertically in its slot but closely confined laterally thereon, and two screws threaded through a portion of said turret above said slot in position to bear on the upper section of the holder positioned therein and thus to force the upper section toward the lower section, said screws being positioned at opposite sides of the axis of said pivot whereby they are operable to adjust said holder angularly about said axis.

2,366,051
TOOL SUPPORT
Conrad E. Peterson, Auburndale, and Gordon L. Olson, Arlington, Mass.
Application March 18, 1943, Serial No. 479,606
8 Claims. (Cl. 29—49)

1. In a tool supporting structure, the combination of a turret mounted for indexing movement,

said turret being provided with a plurality of upright slots in the edge thereof, a tool holder positioned in one of said slots and adapted to support a tool in an approximately horizontal position, means supporting said holder for rocking movement in said slot about a horizontal axis extending through said slot transversely thereto, said holder having a bore of circular cross-sectional form extending thereinto from its outer



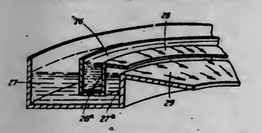
end, a bushing fitting in said bore and provided with a socket to receive the shank of a tool, said bushing being longitudinally split, and means for clamping said tool in said bushing and holder including two screws threaded through a portion of said turret above said slot in position to exert pressure on the bushing at opposite sides of a vertical plane through said axis, whereby said screws are operable to adjust said tool angularly about said axis.

2,366,052

PRODUCTION OF MAGNESIUM HYDROXIDE

Francis Norman Pickett, Tenterden, England, assignor to Ocean Salts (Products) Limited, London, England

Application August 12, 1941, Serial No. 406,467
In Great Britain June 17, 1940
2 Claims. (Cl. 23—201)



1. A process for the production of magnesium hydroxide from liquors containing convertible magnesium salts by precipitation with a basic reacting liquor, which comprises, forming two streams of the liquors to flow in the same direction with one of said streams being disposed slightly above the other, said streams being of substantially the same width and of greatly less thickness or depth as compared to their width, causing said streams to converge and intermingle into a single stream flowing in the same direction and in a plane inclined very slightly from the horizontal, and adjusting the rate of flow in each case to the respective concentration of magnesium salts and base so that the mixed liquors are substantially free from magnesium ions.

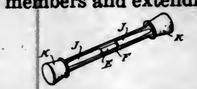
2,366,053

CONTAINER FOR IMPLANTATION TABLETS

Erich Putter, Maplewood, N. J., assignor to Schering Corporation, Bloomfield, N. J., a corporation of New Jersey

Application October 17, 1941, Serial No. 415,346
6 Claims. (Cl. 206—63.2)

1. A container for a medicinal tablet comprising an elongated glass tube, open at both ends and formed at such ends to receive closure members, said container being continuous throughout its length and having an interior diameter such as to prevent material transverse movement of the tablet to be contained therein, closure members for said container ends, glass rods connected to said closure members and extending therefrom



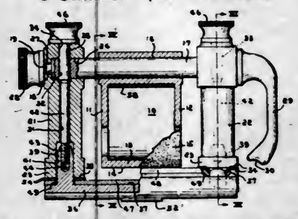
to points within the tube, the lengths of said rods being such that when said closure members are in position on said glass tube, the free ends of said rods will just engage the ends of a tablet deposited therein and will confine such tablet against longitudinal movement in the container.

2,366,054

DERMATOME

John D. Reese, Philadelphia, Pa.

Application August 2, 1944, Serial No. 547,718
9 Claims. (Cl. 128—305)



3. A dermatome comprising a body member having a convex outer surface; a cutting blade associated therewith; and means for supporting said blade at a predetermined distance from said surface for swinging movement about the axis of generation of the convex surface and for reciprocatory movement parallel to said axis, said means comprising a bearing carried by and located axially of the body member; a shaft rotatably and slidably supported in said bearing; a pair of posts carried by the terminal portions of said shaft and extending radially therefrom in parallel relation at opposite sides of and spaced from the body member with their outer ends extending beyond the convex surface of the body member, each of said outer ends having an opening therein; a rigid bar having a flat inner blade-supporting surface; a pair of lugs extending upwardly from said blade-supporting surface and adapted to be received in the openings in the outer ends of the posts; and means for urging said blade-supporting bar towards the outer ends of the posts, whereby a cutting blade supported on the blade-supporting surface of the bar will be clamped against said outer ends of the posts.

2,366,055

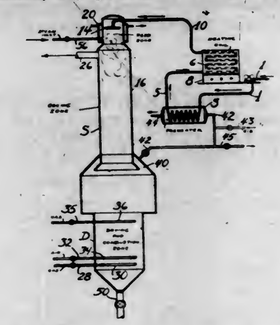
COKING PROCESS

Walter F. Rollman, Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Application February 18, 1941, Serial No. 379,397
7 Claims. (Cl. 202—8)

1. A continuous process for coking heavy residual hydrocarbon oils which comprises preheating the oil to coking temperatures, atomizing the preheated oil into an elongated vertical coking zone, cooling said oil during said atomization to prevent premature coking, permitting the atomized oil so formed to descend through a stripping and coking section, withdrawing a tacky coke from the said coking and stripping section, and discharging it into a drying section

where it is heated by combustion gases to temperatures sufficiently high to cause the formation of hard, dry pellets of coke, recovering hy-



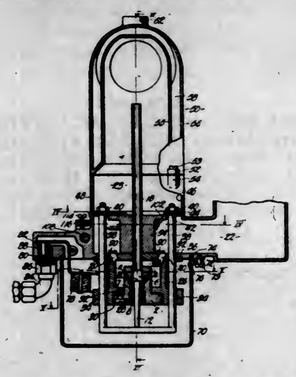
drocarbon vapors from the upper section of the coking zone and pelleted coke from the bottom of the coking section.

2,366,056

CARBURETOR

Andrew Craig Russell, Shawnee, Okla., assignor of one-half to John Little Green, Shawnee, Pottawatomie County, Okla.

Application January 31, 1941, Serial No. 376,788
10 Claims. (Cl. 261—50)



1. In apparatus of the character described, a hollow casing provided with an air intake, an air outlet and a bowl for the fuel to be mixed with air; a member in the bowl having a mixing chamber therein and at least one passage for directing air into the mixing chamber and thence downwardly against the surface of the fuel therein, said passage terminating above the level of the fuel in said bowl; and a conduit in communication with the mixing chamber disposed to introduce fuel mixture from the latter to air passing from the casing through the said outlet.

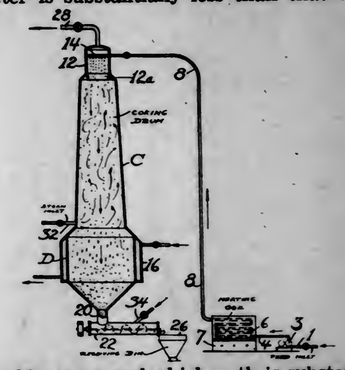
2,366,057

PROCESS OF COKING HYDROCARBON OIL

Francis R. Russell, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Application February 18, 1941, Serial No. 379,399
5 Claims. (Cl. 202—8)

1. A continuous method for coking heavy residual hydrocarbon oils which comprises heating the said oils to coking temperatures, discharging the said preheated oil into the top of a coking zone, the said coking zone being frustroconical in shape and having its largest diameter at the bottom thereof, causing the oil to flow substantially straight down aided by gravity through the coking zone in a path whose diameter is substantially less than that of the



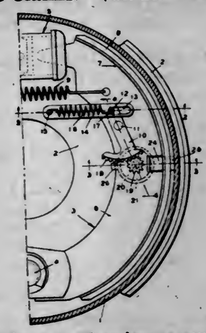
said coking zone and which path is substantially concentric with the coking zone where volatilizable constituents are formed and removed from the coking zone leaving a residue of coke, causing the coke to pass through a cooling zone where it is dried and hardened, and continuously recovering a free-flowing non-adherent coke from the bottom of said coking zone.

2,366,058

AUTOMATIC BRAKE SHOE ADJUSTING MECHANISM

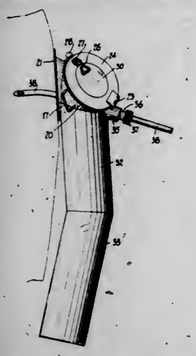
Steve Schnell, Kirkwood, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware

Application September 10, 1943, Serial No. 501,771
16 Claims. (Cl. 188—79.5)



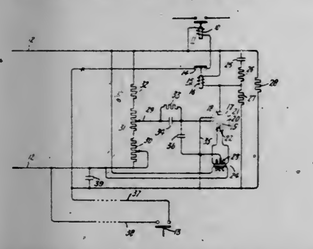
1. In adjusting mechanism, a support, two friction elements movable relatively to each other to friction-engaged positions and disengaged positions, stop means carried by the support, a movable member carried by one of the friction elements for cooperation with said stop means, means causing said movable member to be moved whenever relative movement occurs between the friction elements, and means including a wheel and brake element for so controlling the movement of said movable member that it will be prevented from movement relatively to said one friction element when the friction elements assume predetermined disengaged positions.

2,366,059
COLOSTOMY APPLIANCE
Fred A. Schunk, Lincoln, Park, N. J.
Substituted for abandoned application Serial No. 337,130, May 25, 1940. This application March 20, 1943, Serial No. 479,853
1 Claim. (Cl. 128—283)



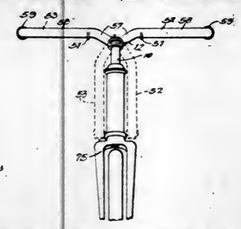
A colostomy appliance comprising a cylindrical tube having a hollow head, said head comprising a pair of angularly disposed projecting faces each having an outwardly extending annular flange, one of said face flanges adapted to be applied to the body of the patient, the flange of the other face having a cover pivoted thereto, said cover having an opening and a transparent plate in said opening, a catch secured to said last-mentioned flange in opposed relation to the pivot of said cover, said last-mentioned face further having a pair of opposed loops, a belt secured to said loops, and an irrigating tube mounted on said head at the junction of said cylindrical tube with said head.

2,366,060
ELECTRIC VALVE TIME-DELAY RELAY
Elbert D. Schneider, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application November 24, 1942, Serial No. 466,754
8 Claims. (Cl. 175—320)



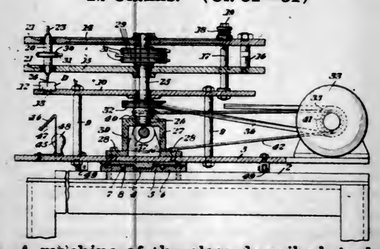
1. In combination, an alternating-current supply circuit, a load circuit, a relay including an actuating coil and a normally closed contact for controlling the energization of said load circuit, an electric valve including an anode, a cathode, and a control member, means for establishing a predetermined negative bias on said control member, means connecting the actuating coil of said relay to one side of said alternating-current circuit and to the anode of said electric valve, means including an initiating switch for connecting said cathode with the other side of said alternating-current supply circuit and for completing a circuit between the cathode and control member of said electric valve, and capacitance means connected across said initiating switch to eliminate from said cathode-to-control-member circuit transient voltages appearing across said initiating switch.

2,366,061
FOLDING HANDLE BAR FOR BICYCLES
Frank W. Schwinn, Chicago, Ill.
Application August 14, 1943, Serial No. 498,685
10 Claims. (Cl. 74—551.3)



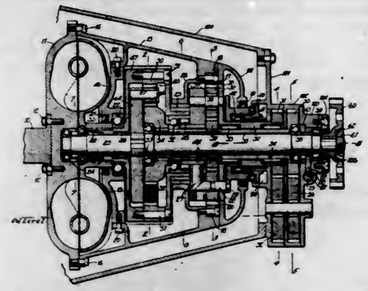
1. In a handle bar structure, the combination of an extension fixture adapted to be carried by a steering post, said fixture having a substantially T-shaped face, said face being provided with substantially horizontal ribs and grooves, and said fixture having a threaded bore in said face, a threaded bolt in said bore, a pair of handle bars pivotally mounted on said bolt, said handle bars being provided with ribs and grooves extending in substantially horizontal direction when the handle bars are in operative position, for interlocking engagement with the ribs and grooves on said fixture.

2,366,062
MACHINE FOR OPENING OR LAPPING WIRE DRAWING DIES AND THE LIKE
Donald F. Sengenberger, Waukegan, Ill., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application September 21, 1943, Serial No. 503,250
12 Claims. (Cl. 51—31)



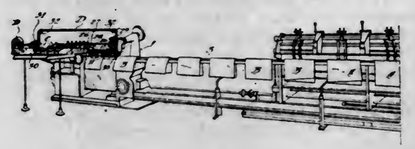
1. A machine of the class described, including a horizontally disposed member having a plurality of openings arranged therein for holding a plurality of workpieces, a second horizontally disposed member positioned above said first mentioned member, a plurality of revolvable tool holding means rotatably mounted on said last mentioned member with one adapted to be positioned opposite the position each of the workpieces is adapted to assume, each of said tool holding means adapted to support a tool for forming a hole in its respective workpiece, means for rotating each of said tool holding means simultaneously, and means for reciprocating vertically said last mentioned member simultaneously with the rotation of the tools carried thereby whereby the tools will be reciprocated relative to their respective workpieces.

2,366,063
AUTOMATIC TRANSMISSION
Frederick W. Seybold, Westfield, N. J.
Application June 23, 1942, Serial No. 448,130
18 Claims. (Cl. 74—189.5)



1. A variable speed transmission comprising, a drive shaft, a driven shaft, a fluid impeller connected to the drive shaft to be rotated thereby, a runner positioned to be driven by fluid energized by the impeller, a reaction member mounted for rotation about the axis of the driven shaft, control means including a fluid pump and valve for locking said member against rotation or releasing the same, an internal gear operatively connected to the runner, and planetary gearing connecting the reaction member and internal gear, said planetary gearing transmitting driving torque from the internal gear to the driven shaft when said reaction member is locked against rotation, and revolving the reaction member idly when said member is released by said control means.

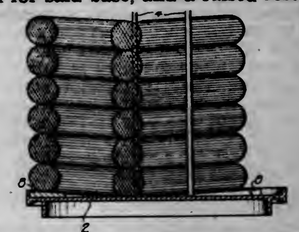
2,366,064
BOOK-SEWING MACHINE
Henry Sieb, Hammond, Ind.
Application October 6, 1942, Serial No. 461,013
3 Claims. (Cl. 112—21)



1. In combination, a saddle bar for supporting an open book in inverted V shape hung over the same, a sewing machine for sewing the book along the line of folds therein while on the bar, a series of rollers above and distributed along the bar from a point near the output side of the sewing machine and each having a circumferential V groove into which the ridge of the bar projects, means simultaneously to raise and lower the said rollers and means to feed a binding strip into the space between the roller and the bar and in contact with books on the bar.

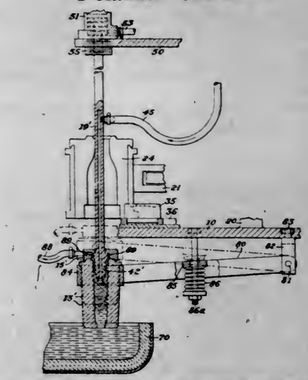
2,366,065
ANNEALING PLATFORM
Oke S. Sieurin, Shrewsbury, Mass., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application October 28, 1943, Serial No. 508,006
3 Claims. (Cl. 211—49)

2. An annealing platform for coils of wire comprising a base, a central support adapted to support a plurality of piles of coils about its periphery, a rim for said base, and a raised rest on the



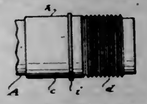
base adjacent the rim for supporting each of said piles with their bottoms sloping downwardly toward said support.

2,366,066
MANUFACTURE OF GLASSWARE
Edwin E. Slick, Pittsburgh, Pa.
Application January 30, 1941, Serial No. 376,614
4 Claims. (Cl. 49—5)



1. In a machine for forming shapes from a suitable material such as glass, a series of blank molds, means for moving the blank molds about a vertical axis, a series of hydraulic means for periodically moving the molds vertically to a charge-receiving station, there being one such hydraulic means for each mold valve means to selectively connect said hydraulic means in succession to a source of actuating fluid at a predetermined position in the movement of the molds about the vertical axis, and resilient means for successively moving the molds vertically away from the charge-receiving station after they have received a charge at a predetermined position in the movement of the molds about the vertical axis.

2,366,067
HOSE COUPLING
Franklin Elijah Smith, South Dartmouth, Mass.
Application June 4, 1943, Serial No. 489,617
11 Claims. (Cl. 285—71)



1. A hose coupling for the rapid coupling together and uncoupling of hose sections, comprising a relatively inexpansible tubular socket member connected with one hose section, and a tubu-

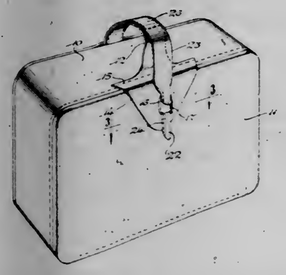
lar spigot member of resilient material which is connected with another hose section to be coupled to said first section and is normally maintained by its resilience in an annular form that will fit in the socket member with an annular exterior surface of the spigot member contacting a surrounding annular interior surface of the socket member, said contacting surfaces of the socket and spigot members having complementary peripherally extending parts which interlock with each other and by such interlocking hold said members against axial separation, and said spigot member being transversely collapsible and exposed for free collapse, and while so collapsed being insertable lengthwise into the socket member and acting by its resilience when the collapsing pressure is released to resume its normal annular form and interlock its said surface parts with the complementary surface parts of the socket member, said annular surfaces of said members being held in close contact and forming a fluid-tight joint by fluid pressure in the hose.

2,366,068
DEVICE FOR ELECTRICALLY CONTACTING TRAVELING WELDING ROD
Jesse Sutton Sohn, Leetsdale, Pa., assignor to American Bridge Company, a corporation of New Jersey
Application March 17, 1944, Serial No. 526,936
2 Claims. (Cl. 219—8)



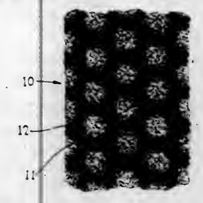
1. A device for electrically contacting traveling welding rod, said device including spaced rigid supports for engaging said rod and a rigid deflector for engaging the span of said rod between said supports and elastically deflecting it therebetween, said supports and said deflector permitting relative travel of said rod and at least one of either said supports or said deflector being an electrical contactor with said rod elastically forced thereagainst by reason of its own elasticity.

2,366,069
FLEXIBLE FASTENER FOR HAND LUGGAGE
Leo Stein, Chicago, Ill.
Application June 25, 1943, Serial No. 492,225
7 Claims. (Cl. 292—283)



1. A flexible fastener of the hasp and bolt type for use on hand-cases and similar containers, said fastener comprising a bolt receiving member, a hasp portion of flexible material having an opening therein for receiving said bolt receiving member, and a bolt for insertion into said bolt receiving member to hold the hasp in its locking position; the said bolt comprising a strip of flexible material, one end of which is folded upon itself lengthwise and having its meeting edges secured together to form a tubular portion of greater rigidity than the other portion of the flexible strip.

2,366,070
METHOD OF MAKING CLOTH OR GARMENTS
Louis B. Strauss, Manhattan Beach, N. Y.
Application July 16, 1943, Serial No. 494,937
9 Claims. (Cl. 28—74)



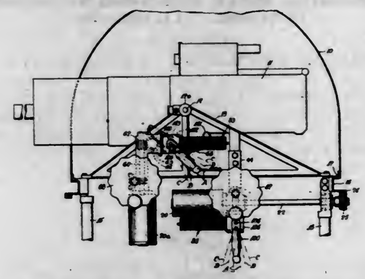
1. A method of the character described, consisting in blending together wool and fur fibers, then spinning the mixed fibers into a yarn, then making cloth of the yarn, then washing said cloth in hot water, then rinsing the cloth while hot in cold tap water, and thereafter placing the cloth in an extractor, extracting the water therefrom until they are damp dry, and then placing the same in a heated tumbler and operating the tumbler to cause the cloth to dry, and the fibers to migrate to the surface of said cloth.

2,366,071
STATIONARY INDUCTION APPARATUS
Matthew O. Troy, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Original application May 25, 1939, Serial No. 275,625. Divided and this application March 27, 1942, Serial No. 436,505
2 Claims. (Cl. 175—356)



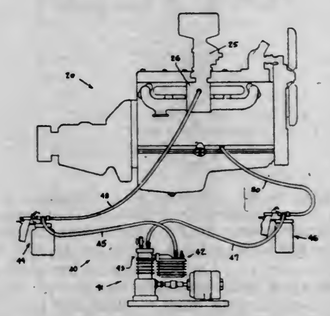
1. Stationary induction apparatus comprising a substantially straight-sided conductive winding structure of the approximate shape of a polygon, and a magnetic core comprising a plurality of core parts each of which surrounds one of the sides of said conductive winding structure, each core part being composed of tapered magnetic strip material wound spirally flatwise upon the winding leg and having a substantially uniform cross section around the winding leg, the widest part of the strip being at the inside of the core adjacent the winding leg whereby the cross-section of successive layers of core progressively decreases toward the outer periphery thereof to tend to equalize the magnetic flux density of said layers of core.

2,366,072
GUN CONTROL MECHANISM
Preston T. Tucker, Noblesville, Ind., and Wesley Coliver Casson, Birmingham, Mich.; said Tucker assignor to Tucker Aircraft Corporation
Application July 18, 1939, Serial No. 285,064
3 Claims. (Cl. 89—41)



1. In combination with a gun mounting means for maneuvering the gun carried thereby to the desired shooting position including, a motor unit mounted on the mounting means on a horizontal axis, a gun mount traversing pinion directly connected on said horizontal axis to said motor unit, and a reversible electric motor, a fixed crown gear in meshed relation with said traversing pinion, said unit further including a pivoted control handle on said gun mounting for controlling the operation of the electric motor in both directions of gun traverse, a second motor control unit on said gun mounting including a second reversible electric motor mounted with its axis vertical, elevating mechanism for the gun, gearing connecting said second motor to said elevating mechanism, said second unit including a second pivoted control handle on said gun mounting for controlling the operation of the said second electric motor in both directions, and electric means operated by each control handle for controlling the direction of rotation and the speed of each motor by its control handle.

2,366,073
ENGINE CLEANING AND CONDITIONING
John E. Vallerie, Norwalk, Conn.
Application March 13, 1942, Serial No. 434,538
18 Claims. (Cl. 134—21)



1. A process for cleaning deposits of foreign material from an internal combustion engine, including the steps of turning over the engine while cold through a cycle of operations by the utilization of an outside source of power; simultaneously injecting a cleaning material in vapor form into the intake manifold of said engine; and simultaneously applying suction to the pressure oil-distributing system of said engine through a connection with an outside source of suction.

2,366,074
CORROSION RESISTANT COMPOSITION
Jones I. Wasson, Union, and Carroll J. Wilson, Westfield, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application May 26, 1942, Serial No. 444,546
11 Claims. (Cl. 252—53)

1. A method of preventing the corrosion of ferrous metal surfaces when in contact with a mineral oil in the presence of substantial amounts of water which comprises incorporating in the said oil before contacting the same with the metal surface a small quantity of a compound of the formula

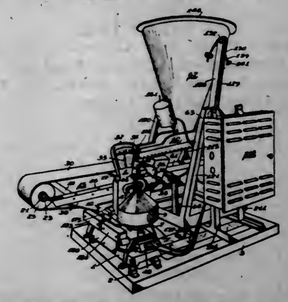
$$R_s Ar(OH)_m(COOH)_n$$

where Ar is an aromatic nucleus, R is an aliphatic radical, and m, n, and s are integers, one or greater, the sum of such integers being not greater than the number of replaceable hydrogen atoms in the aromatic nucleus, and a small quantity of a compound of the formula



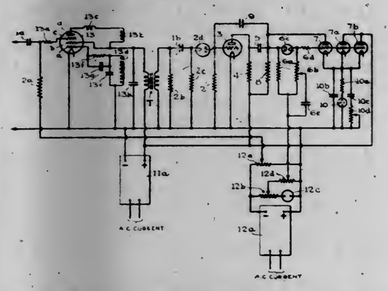
where Ar' is an aromatic nucleus and R' is a member of the class consisting of hydrogen, aliphatic groups, aromatic groups and aliphatic-aromatic groups.

2,366,075
WEIGHING AND FEEDING DEVICE
Carl S. Weyandt, Homer City, Pa.
Continuation of application Serial No. 148,070, June 14, 1937. This application November 28, 1940, Serial No. 367,581
15 Claims. (Cl. 222—55)



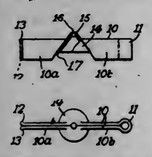
1. The combination comprising an electrically operated controlled conveyor, an electrical circuit including means for supplying a normal feed current to operate said conveyor, a controller member located to receive material from said conveyor, an impedance, means operated by said controller member to place said impedance in series in said circuit to reduce the operating current of the controlled conveyor when the controller is over-weight, a second impedance, and means operated by said controller member to place said second impedance in parallel in said circuit to increase the operating current of the controlled conveyor when said controller member is underweight.

2,366,076
FREQUENCY INDICATING SYSTEM
Donald A. Wilbur, Troy, N. Y., assignor to W. & L. E. Gurley, Troy, N. Y., a corporation of New York
Application August 19, 1941, Serial No 407,503
2 Claims. (Cl. 175—368)



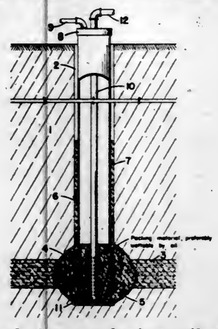
1. In a frequency measuring system, the combination of an electron current type tube including a cathode, an anode and at least one grid, an anode circuit for said tube including a source of current, a control circuit for said tube, means for coupling said anode circuit and control circuit to produce self-sustained high-frequency oscillations therein, means responsive to said oscillations for reducing the value of anode current flowing in said anode circuit, means for biasing the grid of said tube to normally prevent oscillations, a source of periodic current whose frequency is to be measured, means for applying said periodic currents to said grid to cause said tube to oscillate for a time during each cycle of said currents, means responsive to changes in said anode current for deriving a uniform current pulse for each current change, and means controlled by said pulses for producing an indication proportional to the time-integrated value of said pulses.

2,366,077
DIE STRUCTURE
Eric Lawrence Wildy and Alexander John Sands, Westminster, London, England
Application August 3, 1942, Serial No. 453,444,
In Great Britain August 5, 1941
7 Claims. (Cl. 91—53)



1. A die for regulating the thickness of viscous coatings applied to wires and the like, comprising an inverted cup member having a substantially conical interior and an orifice at its apex, said cup having a normally closed radial slit, which, when opened, enables the die to be inserted radially upon the wire, a plurality of arms radially extending from said cup to support the die against bearing surfaces, said arms being so spaced around the cup that the die is free to centralize itself with respect to the coated wire or the like when the latter issues through the apical orifice, one of said radial arms comprising a pair of overlapping strips which are normally pressed resiliently together, but which, when separated, serve to open the radial slit in the cup member.

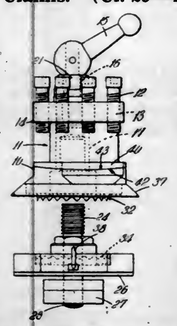
2,366,078
INCREASING OIL PRODUCTION AND DECREASING WATER PRODUCTION OF WELLS
Milton Williams, Houston, Tex., assignor to Standard Oil Development Company, a corporation of Delaware
Application April 8, 1938, Serial No. 200,902
14 Claims. (Cl. 166—26)



1. A method for producing oil from an oil bearing formation which comprises establishing a conduit between the formation and the surface and interposing between the inlet end of the conduit and the formation a granular material coated with an agent more readily wettable by oil than by water.

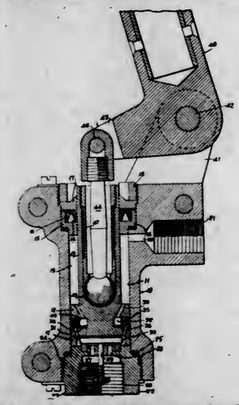
14. A packing material for an oil-bearing formation comprising a granular material coated with a heavy metal soap of an unsaturated fatty acid.

2,366,079
TOOL POST
John Wilson, Exhall, Coventry, England
Application March 10, 1942, Serial No. 434,029
In Great Britain March 12, 1941
2 Claims. (Cl. 29—49)



1. A tool post comprising a spindle, a body member for supporting a tool or tools mounted on said spindle and held against axial movement relatively thereto, a base member on the upper face of which the body is normally supported, a rod on said base member having a threaded portion co-operating with a threaded portion on said spindle, a boss on said base member engageable within a recess in the body member to guide and centre said body member, an axially adjustable ring seated within a recess in said base member surrounding said boss and having an annular series of teeth thereon, a second annular series of teeth on said body member engageable with the teeth on said ring to locate and lock said body member on said base member in any one of a plurality of angularly adjusted positions, and means for producing relative rotation of said spindle and rod to engage and disengage said annular series of teeth thereby to permit angular adjustment of said body member relatively to said base member.

2,366,080
VALVE MEANS FOR DOUBLE-ACTING PUMPS
Thomas R. Wingate, Montreal, Quebec, Canada, assignor to Dowty Equipment (Canada) Limited, Montreal, Quebec, Canada, a company
Application July 9, 1943, Serial No. 493,960
6 Claims. (Cl. 103—178)



1. A double-acting fluid pump including a cylinder, a piston reciprocable therein whereby to provide a space on one side thereof to receive fluid from a source of fluid, means forming a part of said piston extending therefrom from the side opposite to the aforesaid space whereby to enclose an area by the outside diameter of said extending means that is approximately one-half that enclosed by the inside diameter of the cylinder and thereby provide a space for receiving fluid from the first space, an annular ring-like recess in said piston, individual passage means extending from said recess into communication with said spaces on the opposite sides mentioned recess during reciprocation of said of said piston whereby said spaces are interconnected through said passage means and said recess, and a resilient ring valve member positioned within said recess in engagement with said cylinder and reciprocable in said recess upon reciprocation of said piston for closing the passage means connecting said recess with the first piston in one direction.

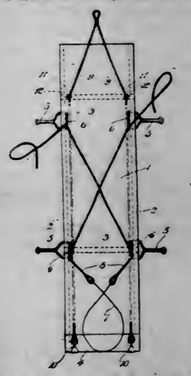
2,366,081
REELING DEVICE
Frank J. Wood, Riverside, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application March 11, 1940, Serial No. 323,276
6 Claims. (Cl. 242—72)

5. In a reel for strip metal, a shaft, an expansible drum mounted on said shaft including a drum segment journaled on said shaft, expansible drum segments pivotally connected to opposite ends of said first mentioned drum segment and forming continuations thereof, and means for pivoting said drum segments in an outward direction, to form a generally cylindrical drum including an expanding member engaging adjacent ends of said movable drum segments, an annular ring journaled on said shaft eccentric of the center thereof and having engaging connection with said expanding member for moving said expanding member outwardly with respect to said drum,



yieldable means for holding said engaging member in engagement with said annular ring and other yieldable means connected between the free ends of said expansible drum segments, for holding said drum segments in engagement with said expanding member and collapsing said drum segments upon movement of said expanding member towards the axis of rotation of said drum.

2,366,082
STRETCHER
Albert Victor Baker, Falmouth, England
Application July 16, 1942, Serial No. 451,178
In Great Britain August 5, 1941
7 Claims. (Cl. 5—82)

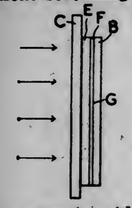


7. A stretcher comprising a relatively thin elongated board, pairs of flexible handles having portions extending through the board to the face thereof adjacent to its opposite longitudinal edges and toward its opposite ends and formed into loops on the face of the board, a flexible sheet providing a foot rest at one end of the board, hoisting means attached to the board and extending from the other end of the board, and ropes connected to the ends of said sheet and extending therefrom toward the other end of the board, said ropes crossing the face of the board and extending through the loops at opposite longitudinal edges of the board.

2,366,083
MANUFACTURE AND PRODUCTION OF PHOTOGRAPHIC SENSITIVE MATERIAL
Ernest Robert Box and Frank Enoch Kerridge, London, England, assignors to Johnson, Matthey & Company Limited, London, England, a company of Great Britain
Application October 1, 1943, Serial No. 504,632
In Great Britain October 27, 1942
6 Claims. (Cl. 101—128.3)

1. A process of producing a silk screen or the like stencil from a material comprising a thin

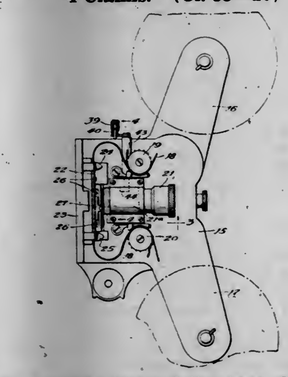
sheet of water-insoluble flexible transparent backing material coated on one side with an intermediate film of heat softening material which is



at least semi-transparent, said intermediate film having superposed thereon an outer film of gelatin or glue which comprises

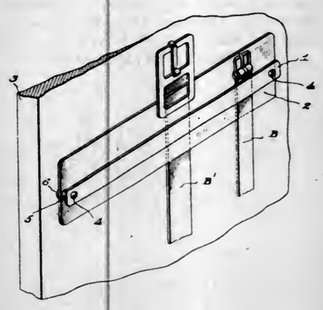
(*a*) rendering the outer film sensitive to light by immersion in a solution of a chromate and drying in the absence of light,
(*b*) passing light through a photographic positive, then through the backing material and the intermediate film to act on the underside of the sensitized outer film,
(*c*) immersing the whole in warm water whereby the unaffected part of the outer film is removed and the remainder assumes the shape of the desired design,
(*d*) pressing the whole onto a screen with the outer film in contact with the latter,
(*e*) allowing the whole to dry,
(*f*) heating to soften the intermediate film, and
(*g*) removing the backing material whereby the outer film having the shape of the desired design is left firmly adhering to the screen.

2,366,084
PROJECTOR
Theodore S. Briskin, Chicago, Ill., assignor to Revere Camera Company, Chicago, Ill., a corporation of Delaware
Application October 18, 1943, Serial No. 506,660
4 Claims. (Cl. 88—17)



1. In a mechanism of the type described, the combination of an aperture plate having an opening for the passage of a beam of light therethrough, a supporting member slidably mounted in position so as to be movable toward and from said aperture plate and to be held against angular movement with respect to said aperture plate, an aperture shoe member for applying pressure backwardly on a film interposed between the aperture shoe member and the aperture plate, and means comprising a flat spring carried by said supporting member and provided with notches at its end portions adapted to have latching engagement with said aperture shoe member so as to hold it removably in position with respect to the supporting member and to hold it normally at the limit of its movement backwardly with respect to said supporting member.

2,366,085
BELT RACK
Abe R. Brothers, Brooklyn, N. Y.
Application January 26, 1944, Serial No. 519,708
1 Claim. (Cl. 211—60)

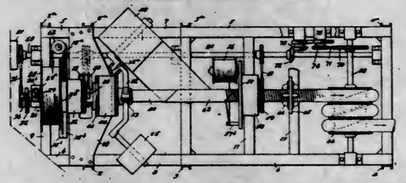


A belt rack comprising a horizontally elongated relatively narrow front strip, a horizontally elongated back strip of substantially the same length as the front strip but wider than and positioned rearwardly of the front strip with the back strip projecting appreciably above the upper edge of the front strip, spacers adjacent to and between the opposite ends of said strips to space them apart and form between them an elongated slot extending uninterruptedly for nearly the full length of said front strip, and additional spacers adjacent to the opposite ends of the back strip and at the rear thereof to space said back strip from the flat upright surface of an appropriate support on which the rack is adapted to be supported, to form between said back strip and support an additional elongated slot extending uninterruptedly for nearly the full length of said back strip, both of said slots being of sufficient size to permit belt straps to be passed therethrough but too narrow to permit of the passage of the belt buckles, whereby belts are supported in said slots by engagement of their buckles with the upper edges of said strips, and means for mounting the assembled back and front strips and spacers on an appropriate upright support.

2,366,086
CHEWING GUM RESIN BASES
William H. Carmody, Springfield, Ohio, assignor to Carmody Research Laboratories, Inc., a corporation of Ohio
No Drawing. Application December 6, 1940, Serial No. 368,891
5 Claims. (Cl. 99—135)

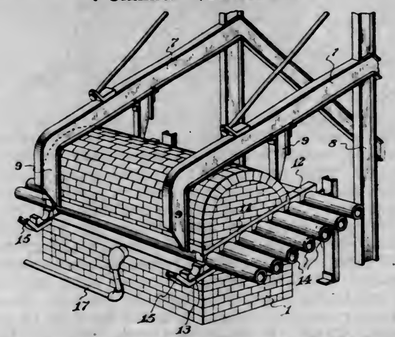
1. A chewing gum base composition consisting essentially of conventional chewing gum ingredients, and a synthetic cyclic hydrocarbon resin having a linear type polymeric molecular structure with a normally present single double bond in the terminal unit thereof and hydrogen combined with the molecule at the said terminal double bond in sufficient amount to saturate such double bond only without substantially altering the balance of the molecule.

2,366,087
MACHINE FOR MAKING TUBULAR STRUCTURES
Abel E. Chernack, Elmwood, Conn.
Application June 3, 1942, Serial No. 445,600
17 Claims. (Cl. 154—6)



5. In a tube forming machine, a rotatable threaded shaft for advancing the coils of a continuous metallic spiral, a rotatable sleeve enclosing said shaft and holding the spiral coils in the thread of said shaft, said sleeve having its exterior diameter decrease gradually toward the end away from said mandrel, and means for winding covering material for the spiral about said sleeve, said covering material being shifted along said sleeve and engaged with said spiral.

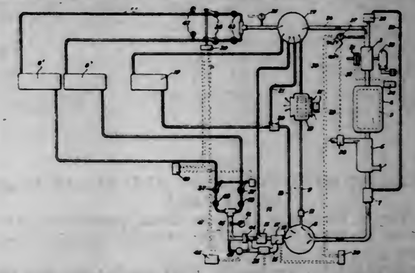
2,366,088
PIPE HEATING FURNACE
John L. Coody, Tulsa, Okla.
Application April 27, 1944, Serial No. 532,989
7 Claims. (Cl. 263—2)



1. A furnace for heating pipe sections, said furnace comprising a lower base section having a combustion chamber therein, a dome section above the base section in spaced relation thereto, transversely extending downwardly and forwardly inclined spacer block trackways carried by the base section and the dome section, separable spacer blocks mounted in said trackway for the reception of opposite ends of pipe sections, said pipe sections and spacer blocks moving by gravity through the combustion chamber from the rear side of the furnace to the forward discharge side as the pipe sections and spacer blocks at the discharge side are removed from the trackways.

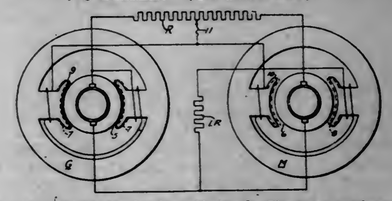
2,366,089
ANTI-ICING AND ENGINE COOLING SYSTEM FOR AIRPLANES
Leon Dewan, Arverne, N. Y.
Application March 20, 1943, Serial No. 479,838
12 Claims. (Cl. 244—134)

1. In an aircraft, the combination of an engine, a wing radiator, means for circulating a liquid coolant, said liquid being partly heated by the engine cooling jacket and means for heating said liquid supplemental to said engine cooling jacket and means for varying the amount of



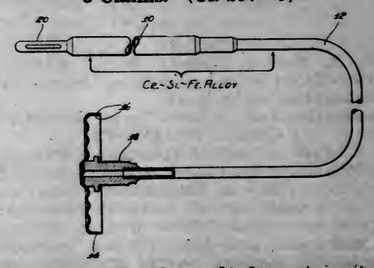
supplemental heat added to said liquid independently of the heat imparted to said liquid by the cooling jacket.

2,366,090
SERIES VARIABLE VOLTAGE DRIVE
Robert S. Elberty, Jr., Waynesboro, Pa., assignor to Landis Tool Company, Waynesboro, Pa.
Application November 11, 1941, Serial No. 418,622
6 Claims. (Cl. 172—239)



1. An electrical circuit including a series motor and a series generator, said machines being of substantially the same rating means for controlling the output voltage of the generator whereby to control the speed of the motor, said motor and generator having air gaps of such dimensions as to produce a low residual voltage and maintain stability in the operation of the motor at light loads, the air gap of the motor being greater than that of the generator.

2,366,091
TEMPERATURE RESPONSIVE DEVICE
Samuel G. Eskin, Pittsburgh, Pa., assignor to Robertshaw Thermostat Company, Youngwood, Pa., a corporation of Pennsylvania
Application May 2, 1942, Serial No. 441,427
3 Claims. (Cl. 297—9)

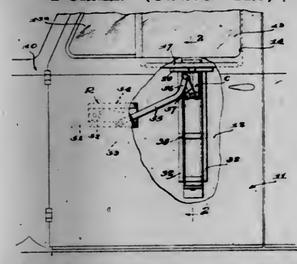


1. An hydraulic thermal element containing mercury for use at temperatures up to about 1200° Fahrenheit and consisting of a bulb, a capillary tubing and an actuating element, said

tubing and bulb being formed of an alloy steel substantially insoluble in mercury at said temperatures and having the following analysis:

	Per cent
Chromium	5
Silicon	1.5
Molybdenum	0.5
Carbon	0.12
Iron	Remainder

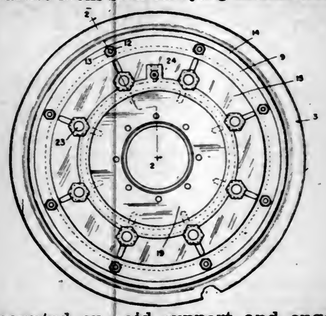
2,366,092
VEHICLE WINDOW GUIDE AND REGULATOR ASSEMBLY
Burton S. Floraday, Toledo, Ohio, assignor to Detroit Harvester Company, Detroit, Mich., a corporation of Michigan
Application November 28, 1941, Serial No. 420,759
1 Claim. (Cl. 296—44.5)



A unitary guide assembly for mounting in the well of a vehicle window panel, comprising a pair of laterally spaced vertically disposed guide tracks substantially V-shaped in cross section, mounting strips for said tracks substantially L-shaped in cross section and to which the outer face of said tracks are respectively secured, brace means securing together said mounting strips, said brace means including a strip connecting the upper ends of said mounting strips and providing a stop and also including a cross piece connecting the lower ends of said mounting strips and provided with an attaching flange, a carriage having translatory movement along said tracks, means for attaching the upper end portion of said carriage to a retainer plate on the lower edge portion of the window panel, said carriage comprising a pair of plates having inwardly embossed portions between their ends in abutting relation and secured to each other, complimentary outwardly offset portions, and a pair of rollers journaled in each of the outwardly offset portions at the ends of the plates and engaging said guide tracks.

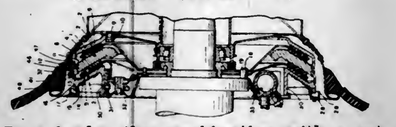
2,366,093
BRAKE
Joseph A. Forbes, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application July 21, 1941, Serial No. 403,435
1 Claim. (Cl. 188—72)

In a brake, a set of rotatable substantially concentric inner and outer friction members having adjacent edges in substantially radial alignment, a second set of non-rotatable friction members at opposite sides of and engageable with said inner and outer friction members, a non-rotatable support having angularly spaced axial projections on which one of said non-rotatable friction members is slidably mounted, means on said support extending between the adjacent edges of said inner and outer friction members for carrying the other of said non-rotatable friction members, and an annular member separate from said carrying means and mov-



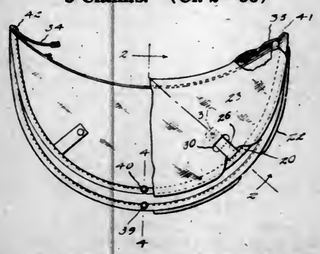
ably mounted on said support and engageable with one of said non-rotatable friction members for moving the same relatively toward the other of said non-rotatable friction members.

2,366,094
BRAKE
Joseph A. Forbes, Detroit, Mich., assignor to John Sneed, Royal Oak, Mich.
Application September 28, 1942, Serial No. 459,977
2 Claims. (Cl. 188—72)



1. In a brake, the combination with a set of brake members movable axially relative to each other and comprising a brake member having an annular flange provided with openings, a second brake member extending within said annular flange and having guiding portions extending within said openings, and means for resiliently holding said brake members in predetermined axial relation, said holding means comprising a bracket extending through one of said openings and engaging a guiding portion on said second brake member, a second bracket secured to said annular flange, a spring between said brackets, and adjustable tie means connected to said brackets.

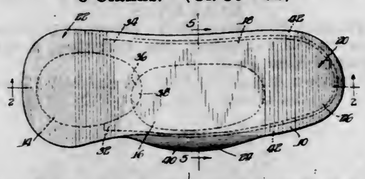
2,366,095
DRESS SHIELD
Grace L. Fowler, Oklahoma City, Okla.
Application October 28, 1942, Serial No. 463,675
3 Claims. (Cl. 2—53)



1. A dress shield comprising a flexible holder formed of a pair of crescent-shaped members, an elongated connecting strip, stitching securing the opposite longitudinal edges of said strip to the

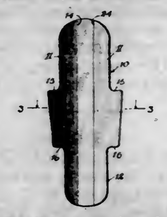
concave edges of said pair of members, a pad member folded over said holder, said pad member including a pair of crescent-shaped moisture absorbing bodies, stitching securing the concave edges of said bodies together, said bodies having spaced openings therethrough adjacent the marginal edges thereof, a plurality of inwardly extending pad securing straps carried by said holder and extendible through said openings, and complementary fastener elements carried by the inner ends of said straps and said holder for removably securing said pad on said holder.

2,366,096
ARCH SUPPORT
Jack Gerber, Chicago, Ill.
Application January 22, 1944, Serial No. 519,279
8 Claims. (Cl. 36—71)



1. A flexible arch support comprising a layer of pliable material shaped to conform to the contour of a foot, a metatarsal pad secured to said layer at the metatarsal region thereof, a cushioning member also secured to said layer, said cushioning member extending rearwardly only from said metatarsal pad towards the extremity of said layer to under-lie the heel region and longitudinal arch region of said layer, and forming with the metatarsal pad a hinge-like joint, and a stiff, yet flexible main arch support piece secured to said member beneath the longitudinal main arch region of said layer.

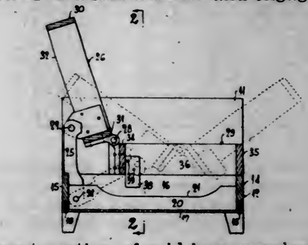
2,366,097
SHOEHORN
Frank A. Gesell, Belleville, N. J.
Application September 29, 1943, Serial No. 504,236
1 Claim. (Cl. 223—118)



An elongated flexible member having end portions formed for use as shoe horns and a median portion of increased lateral extent forming shoulders for limiting insertion of the respective end portions, when used as shoe horns.

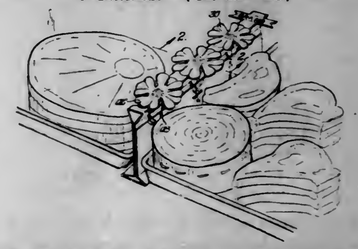
2,366,098
CONVERTIBLE STUDIO DAVENPORT
Leonard S. Gilliam and Thomas D. Gilliam, Statesville, N. C.
Application December 26, 1942, Serial No. 470,144
1 Claim. (Cl. 5—47)

A convertible studio davenport comprising a base member, a seat member, a back member pivotally secured at its front lower edge to the upper rear edge of the seat member, a link having its lower end pivotally secured to said base member and having its upper end pivotally secured to the rear lower edge of said back member, the intermediate portion of said link having a shoulder thereon and being adapted to rest against a portion of said base member to limit the backward movement of said seat and back members, a projection carried by the lower front portion of said seat member and engageable with



the front portion of said base member for limiting the forward movement of said seat and back members when the back member is in raised position, and a bar slidably mounted in the rear portion of said seat member and having the rear end thereof adapted to be slid into the path of the rear lower edge of rotation of said back member whereby the seat and back members may be releasably held in angular position relative to each other.

2,366,099
BUTCHER TRAY TRIM
John DeWitt Gray, Chicago, and Kenneth W. Chapman, Clarendon Hills, Ill.
Application March 8, 1943, Serial No. 478,352
7 Claims. (Cl. 41—10)

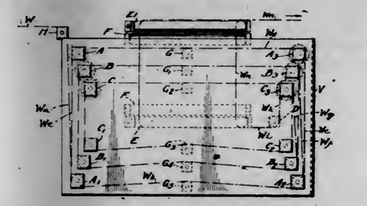


1. A decorative trim comprising a strip of sheet material, a plurality of parallel fold lines forming therebetween a body portion and a side portion on each side thereof, and cuts in the sheet material extending into the side portions and joining adjacent ends of fold lines having a common axis, whereby when the side portions are bent toward each other along the fold lines, the portions defined by the cuts will remain in the plane of the body portion.

2,366,100
DYEING BOOSTER
Jack Lewis Green, Duncan, S. C.
Application December 26, 1941, Serial No. 424,483
3 Claims. (Cl. 68—175)

1. In apparatus for treating web material in a dyeing process, the combination of a vat for holding liquid, a series of rollers for supporting a section of said web in a spiral arrangement within said vat and below the level of said liquid, an inner roller mounted within said spiral arrangement and arranged at an angle to the axis of said spiral for supporting a section of said web

extending from the inner end of said spiral and for guiding another section of said web in flat sheet form substantially along the axis of said spiral to one side of said spiral, and another roller



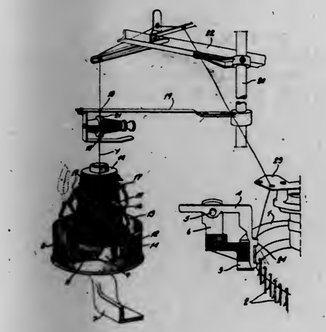
positioned within said vat for supporting the outer end of said axial section of said web and for directing another section of said web in flat sheet form in a substantially vertical direction out of said liquid.

2,366,101

YARN HOLDING MEANS

Ivan W. Grothey, Laconia, N. H., assignor to Scott & Williams, Incorporated, Laconia, N. H., a corporation of Massachusetts

Application August 18, 1943, Serial No. 499,141
15 Claims. (Cl. 66—125)



1. In combination with a yarn cone stand, yarn holder supporting means carried by said stand and yarn holding means carried by the said supporting means, said yarn holding means including a flexible element for engagement with the yarn on the cone to exert a light drag upon the yarn in its passage from the cone, the engagement of the yarn by the flexible element being such as to prevent a kinking of the yarn as it is drawn from the cone.

2,366,102

p-OXAZINYLMETHYL-BENZODIOXANE AND A PROCESS FOR THEIR MANUFACTURE

Adolf Grün, Basel, Switzerland, assignor to the Swiss firm of J. R. Geigy A. G., Basel, Switzerland

No Drawing. Application February 5, 1943, Serial No. 474,874. In Switzerland January 7, 1942
4 Claims. (Cl. 260—247)

1. A process for the manufacture of 2-p-oxazinylmethyl-5:6-benzo-1:4-dioxane by interacting morpholine with an ester of 2-hydroxymethyl-benzodioxane.

2,366,103

BUBBLE GUN

Charles H. Hagopian, New York, N. Y.

Application July 9, 1943, Serial No. 494,023
11 Claims. (Cl. 46—6)



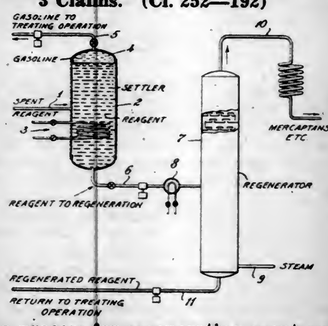
1. In a bubble gun, a mouth piece, and a plurality of tubes having one of their ends connected to said mouth piece, said tubes having their opposite ends movable in relation to each other and means drawing said movable ends of said tubes together.

2,366,104

REGENERATION OF GASOLINE TREATING REAGENTS

John Happel, Brooklyn, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

Application August 8, 1942, Serial No. 454,097
3 Claims. (Cl. 252—192)



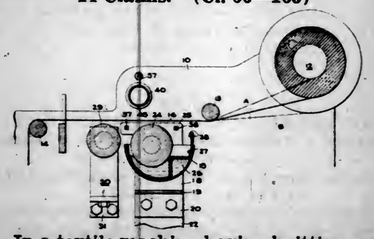
1. In a process for regenerating spent aqueous caustic alkali solutions containing solubility promoters for mercaptans, the steps which comprise subjecting the spent aqueous solution, in the absence of added water, to quiescent settling, at elevated temperature insufficient to decompose alkali mercaptides and under pressure sufficient to prevent evaporation of hydrocarbons dissolved therein, to permit layer separation of said hydrocarbons, withdrawing the hydrocarbons, and removing the mercaptans from the remaining aqueous solution to regenerate it.

2,366,105

STOP MEANS FOR TEXTILE MACHINES

Clyde B. Hayes, Saratoga Springs, and Howard H. Thorpe, Tonawanda, N. Y., assignors to Van Raalte Company, Inc., New York, N. Y.

Application February 8, 1944, Serial No. 521,546
14 Claims. (Cl. 66—163)



1. In a textile machine having knitting mechanism, a warp beam for supplying yarn thereto,

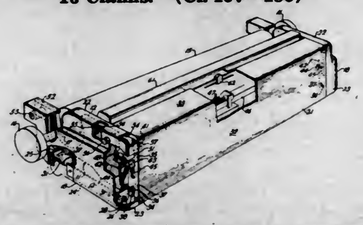
and means for constraining normal threads to a predetermined normal path between said warp beam and said knitting mechanism; stop means adjacent said normal thread path and sensitive to displacement of a thread from said predetermined normal path, and means for directing a current of air against said threads of sufficient intensity to displace broken or slack threads from said normal path to actuate said stop means.

2,366,106

TYPEWRITING MACHINE

William F. Helmond, Clinton, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware

Application December 3, 1941, Serial No. 421,405
13 Claims. (Cl. 197—186)



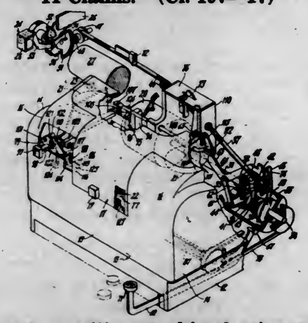
1. In a typewriting machine, a mechanism-supporting frame, two oppositely disposed masking members on said frame, an intermediate shrouding member, means for seating said intermediate shrouding member swingably for movement toward and away from said frame, to and from a shrouding position, said seating means being adapted to allow ready removal of the intermediate shrouding member, and interfitting means adapted to lock said oppositely disposed masking members firmly to said intermediate member when the latter is swung to its shrouding position.

2,366,107

TYPEWRITING MACHINE

William F. Helmond, Clinton, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware

Application May 20, 1942, Serial No. 443,721
11 Claims. (Cl. 197—17)



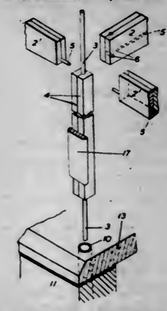
4. In a typewriting machine having a carriage, power-driving means for said carriage, comprising, a normally open drive for said carriage, a cover displaceably mounted to uncover parts of the machine, and means to close and open said drive, including means so controlled by the position of said cover that said drive can only be in a closed state when said cover is substantially closed.

2,366,108

CONSTRUCTION OF BUILDINGS

William George Hitchins, London, England

Application October 29, 1942, Serial No. 463,788
In Great Britain October 22, 1941
2 Claims. (Cl. 20—2)



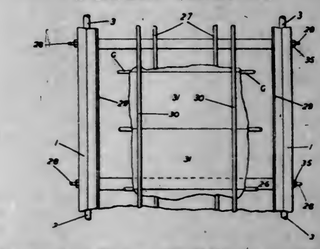
1. A framework for a building having in combination posts consisting of metal cores enclosed in timber casing, said cores extending at the bottom beyond the casing and engaging sockets in footing walls supported by the building foundations, and transverse beams connected to said posts.

2,366,109

WALL AND PARTITION FOR BUILDINGS

William George Hitchins, London, England

Application October 29, 1942, Serial No. 463,789
In Great Britain October 22, 1941
2 Claims. (Cl. 20—4)



1. A panel wall for a building comprising posts having holes in the sides thereof, external slabs each having grooves in its upper and lower end surfaces respectively, each slab including inner and outer sheets in spaced relation to each other dowel bars extending through said holes in the posts and each disposed in the grooves in contiguous slabs, vertical battens, internal slabs each having grooves in its upper and lower end surfaces respectively, and additional dowel bars disposed in the grooves in the contiguous internal slabs and also extending through said battens.

2,366,110

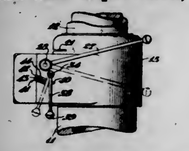
DEVICE FOR RESISTING MOVEMENT OF THE ARM OF A DRILL

William G. Hoelscher, Cincinnati, Ohio, assignor to The American Tool Works Company, Cincinnati, Ohio, a corporation of Ohio

Application September 29, 1941, Serial No. 412,768
1 Claim. (Cl. 77—27)

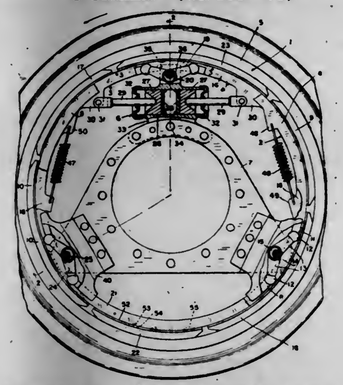
In a radial drill, a base presenting a stationary member, an arm, means for mounting said arm relative to said base, means for clamping said arm against relative movement including a contractible member for engaging said stationary

member, means including a lever for causing a partial contraction of said contractible member whereby a yieldable resistance to rotative movement of said arm is provided, and positive



adjustable stop means operable in conjunction with said lever for limiting the degree of said partial contraction whereby manipulation of said lever to said stop means provides a predetermined drag against rotative movement for said arm.

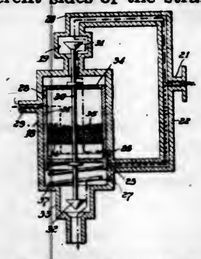
2,366,111
BRAKE
Emil R. Jacobi, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application June 14, 1943, Serial No. 490,800
8 Claims. (Cl. 188—78)



1. A brake comprising a brake drum, devices having ends relatively movable in opposite directions away from and toward each other, the ends of one of said devices being angularly spaced from the ends of another of said devices, means for relatively moving the ends of one of said devices in one of said opposite directions, and brake members movable against said drum by each of said devices separately from the other of said devices, said brake members being connected to said devices to convert their torque when against said drum into a force for relatively moving the ends of said devices in said last mentioned direction.

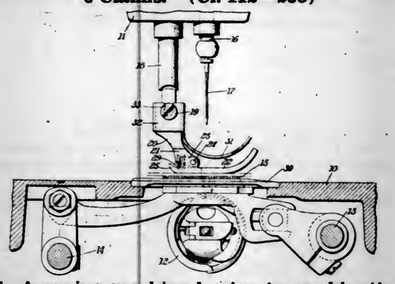
2,366,112
SELF-CLEANING FILTER
William Jokel, Brooklyn, N. Y.
Application November 21, 1941, Serial No. 419,962
1 Claim. (Cl. 210—144)

In a filtering device in combination, a casing to be inserted in a liquid circulation, said casing being formed with a main liquid intake port and a main liquid exhaust port, a liquid supply conduit connected with said main intake port, a hollow piston arranged in said casing for reciprocating movement between said main intake port and said main exhaust port, a strainer extending across the cavity in said piston, a body of loose filtering material located on the side of said strainer facing said main intake port, resilient means arranged to act on said piston in axial direction, means controlled by said piston for alternately shutting off and reestablishing the flow of liquid through said main intake and exhaust ports, two auxiliary ports in the casing wall on different sides of the strainer plane and



two auxiliary ports in the piston wall, each auxiliary piston port being axially aligned with and so spaced from an auxiliary casing port, that in one end position of the piston only one auxiliary piston port registers with the corresponding auxiliary casing port, and an auxiliary liquid supply conduit connected with the auxiliary casing port arranged on the same side of the strainer plane as said main liquid exhaust port.

2,366,113
PRESSER FOOT FOR SEWING MACHINES
Charles A. Kessler, Plainfield, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application November 30, 1943, Serial No. 512,376
6 Claims. (Cl. 112—235)



1. A sewing machine having in combination, a presser-foot comprising a shank and a sole-plate pivotally secured to the lower end thereof, said sole-plate being formed with a forwardly extending toe-portion, and a flat U-shaped spring having one end secured to said shank and spaced above said sole-plate, said spring extending outwardly over the sole-plate and having its free end overlying and spaced above said toe-portion.

2,366,114
METHOD OF FORMING SCREW-RECEIVING FASTENERS
Harold W. Kost, Birmingham, Mich., assignor to Detroit Harvester Company, Detroit, Mich., a corporation of Michigan
Original application January 31, 1942, Serial No. 429,030. Divided and this application April 16, 1943, Serial No. 483,231
2 Claims. (Cl. 29—148)

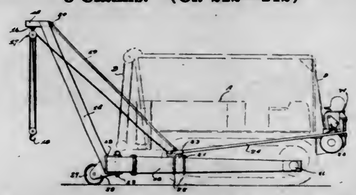
1. In the method of forming a sheet metal structure or element for self-locking engagement

by a screw the steps which comprise pressing a dome-like protuberance out of the normal plane of the sheet and at the same time punching out a round hole in the top of the protuberance and punching out a slit extending radially from the round hole to the base of the protuberance, subsequently enlarging the slit and pressing the metal at one side of the slit in a direction toward the



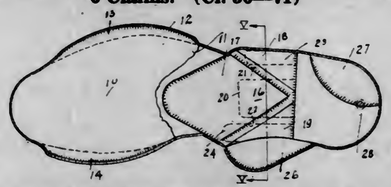
sheet and enlarging the hole substantially to roundness in plan view so that a portion of the wall of the opening is formed into the inner or lower portion of a helix which extends progressively and uniformly to the outer or higher portion of the helix, and subsequently reducing the thickness of metal at the edge of the hole as well as the size of the developed hole to provide a thread.

2,366,115
CRANE ATTACHMENT FOR TRACTORS
Martin G. Kuch, Walter C. Petersen, Herman H. Hartwig, and Norman G. Livingston, Findlay, Ohio, assignors to The Buckeye Traction Ditcher Company, a corporation of Ohio
Application July 8, 1943, Serial No. 493,920
8 Claims. (Cl. 212—142)



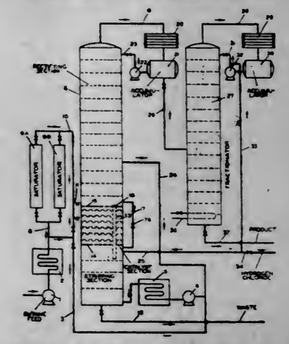
1. In combination with a tractor having a pusher frame adapted to receive a mold board and mounted for pivotal movements about a horizontal axis and a winch driven from the tractor and operatively connected to said pusher frame for controlling the pivotal movement thereof, a demountable attachment for said pusher frame comprising a bracket fitting over said pusher frame in the region of and in substitution for the mold board, detachable fasteners for securing the bracket to said frame, an upwardly extending support rigid with said bracket, block and tackle carried by the upper end portion of said support, said tackle being connected to said winch for operating same.

2,366,116
CORRECTIVE MEANS FOR THE HUMAN FOOT
Erwin S. Lederman, Birmingham, Ala.
Application November 17, 1943, Serial No. 510,597
6 Claims. (Cl. 36—71)



1. A support for the transverse arch of the human foot comprising a sectional pad with the sections hinged together by weakening lines and including two sections extending forwardly from the heel line at the sides for affording firm transversely level support to the cuboid, the scaphoid and the inner cuneiform bones of the arch, and a third section extending forwardly of the other two sections for supporting the rearward ends of all the metatarsal bones.

2,366,117
BUTANE ISOMERIZATION PROCESS
Ancel B. Leonard, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application October 5, 1942, Serial No. 460,842
3 Claims. (Cl. 260—683.5)

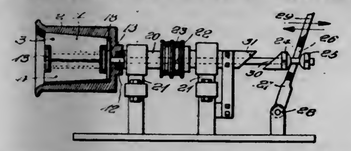


1. A process for the conversion of n-butane to isobutane which comprises introducing liquid n-butane feed at a temperature in the region of its boiling point into contact with a bed of aluminum chloride catalyst at a higher elevation than the main body of catalyst in said bed whereby liquid n-butane flows downward through the catalyst effecting conversion to isobutane; passing vaporous effluent comprising isobutane, n-butane, and aluminum chloride to a rectifying zone; removing a vaporous effluent comprising concentrated isobutane substantially free from aluminum chloride from the rectifying zone; condensing at least a part of said vaporous effluent; returning condensate to the rectifying zone effecting condensation of the aluminum chloride and at least part of the n-butane; returning the condensed aluminum chloride and n-butane into contact with the catalyst; withdrawing a stream of liquid hydrocarbons, substantially free from aluminum chloride, from an intermediate point in said rectifying zone; heating said liquid hydrocarbons to vaporize at least a portion thereof, and passing said heated hydrocarbons into contact with the aluminum chloride catalyst at a lower elevation than the main body of the catalyst in said bed whereby the hydrocarbon vapors rise through the catalyst countercurrent to the liquid n-butane feed.

2,366,118
METHOD OF AND APPARATUS FOR FORMING HOLLOW GLASS BODIES
Paul R. Luertzing, Vineland, N. J.
Application July 2, 1941, Serial No. 400,842
12 Claims. (Cl. 49—29)

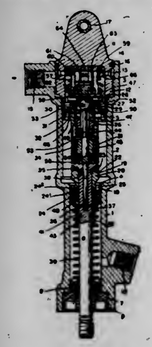
1. The method of making a tubular open ended glass article of a predetermined length and wall thickness and with finished end surfaces, which consists of feeding to a substantially horizontally disposed mold having suitably shaped internal forming surfaces for forming the body and ends of the article an enlongated molten glass charge of a volume equal to that of the completed article,

depositing the charge on the internal article body forming surface of the mold, rapidly accelerating the rotation of the mold about a substantially horizontal axis to a high rate of speed to cause by centrifugal force alone the flow of glass along a predetermined portion of the article body forming surface to form a tubular open ended blank of uniform internal diameter and of less length than the forming surface and less length and greater wall thickness than the intended length and wall



thickness of the finished article, and then internally subjecting the blank while still plastic in the mold and while the latter is rotating to outward pressure parallel with the article body forming surface to elongate it to the length of the article body forming surface and press it against the article end forming surfaces to reduce its wall thickness and thereby form a tubular open ended article of the predetermined length and wall thickness and having finished ends.

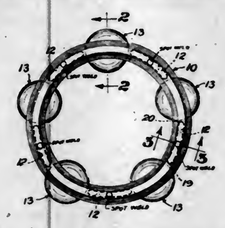
2,366,119
FLUID PRESSURE CONTROL DEVICE
Ludwig A. Majneri, Grosse Pointe, Mich., assignor to The Warner Aircraft Corporation, Detroit, Mich., a corporation of Michigan
Application September 14, 1942, Serial No. 458,264
9 Claims. (Cl. 60—54.6)



9. A fluid pressure control device comprising low pressure producing means and high pressure producing means, a valve for relieving pressure of fluid in said low pressure producing means upon the attainment of a predetermined pressure in said low pressure producing means, adjustable spring means resisting movement of said valve, and stop means adjustable independently of said spring means for limiting movement of said valve.

2,366,120
BALL BEARING
Owen V. Mansfield, Babylon, N. Y., assignor to O. V. M. Products Corporation, a corporation of New York
Application March 30, 1943, Serial No. 481,074
6 Claims. (Cl. 308—201)

1. In a cage for ball bearings, a pair of ball retaining rings, a plurality of spacer members circumferentially spaced between and defining the space-relation of said rings, and means for securing said rings and said spacer members to-



gether to form a unitary structure, said rings being formed to include annular faces contacting said spacer members and annular lips adapted to make point contacts with said balls.

2,366,121
ELECTRICALLY CONTROLLED FLUID-PRESSURE OPERATED MOTOR
William Frederick Forrest Martin-Hurst, Sunbury-on-Thames, England
Application March 25, 1943, Serial No. 480,564
In Great Britain October 16, 1942
7 Claims. (Cl. 121—38)

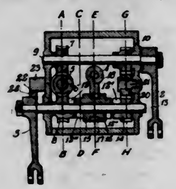


1. A fluid pressure operated motor including a main body, a motor cylinder supported at one end by said body, a plunger mounted to reciprocate in said cylinder, a rod carrying said plunger, a telescopic housing comprising members enclosing said cylinder, one member of said housing being mounted on one side of said body and another member thereof being movable and carried by the plunger rod, a casing enclosing the motor cylinder and providing an annular, axially extending passage through which pressure fluid is led to the outer end of the cylinder to move the plunger towards the inner end of the motor cylinder, spring means mounted externally of the motor cylinder and enclosing casing and urging the plunger towards the outer end of the cylinder, a pressure fluid inlet connection on said main body, an exhaust port, an axially movable valve member, communications controlled by said valve member being provided between said pressure fluid inlet and the exhaust port and said annular passage, and an electromagnetic device for actuating said valve member, said electromagnetic device being also carried by the main body and being mounted on the side thereof opposite to that at which the motor cylinder is supported.

2,366,122
STEERING OF MOTOR VEHICLES OR ANY OTHER KIND OF VEHICLES
Pascual Barrios Mercé, Montevideo, Uruguay
Application August 11, 1942, Serial No. 454,448
2 Claims. (Cl. 74—498)

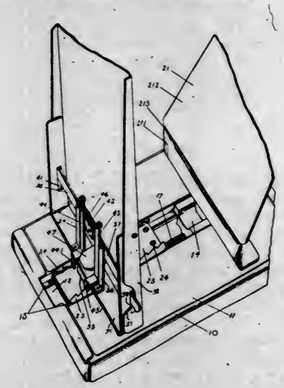
1. In a device of the character described, a casing, a countershaft extending thereacross and journaled in the walls thereof, a motion-transmitting arm secured to said countershaft, a slidable countershaft extending across said casing in

spaced parallel relation to said first countershaft, said slidable countershaft also being journaled in said casing walls, a motion-transmitting arm secured to said slidable countershaft, and means for selectively actuating said countershafts and their respective motion-transmitting arms to simultaneously rotate both shafts in the same direction, to simultaneously rotate both shafts in opposite directions and to rotate said first countershaft alone in either direction; said means comprising a gear fixed to said first countershaft



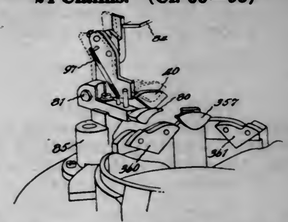
adjacent one end thereof, a gear loosely mounted on the corresponding end of said slidable countershaft, a manually operable actuating member in engagement with said gears, a gear fixed to said first countershaft adjacent the other end thereof, a corresponding gear loosely mounted on the other end of said slidable shaft, an intermediate freely-rotatable gear intermediate said last two gears and in simultaneous engagement therewith, and manually operable clutch means secured to said slidable shaft and selectively engageable with the gears on the latter shaft.

2,366,123
TRAY
Orvie E. Nabholz, Shellsburg, Iowa, assignor to Le Febure Corporation, Cedar Rapids, Iowa, a corporation of Iowa
Application April 14, 1943, Serial No. 482,957
3 Claims. (Cl. 129—16)



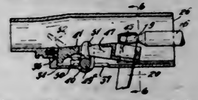
3. In a device of the class described, means for locking a plurality of sheets in a solid block-like form comprising a base and compressor plates, one of said compressor plates being pivotally mounted on a frame slidable with respect to the base, locking means for locking the frame with reference to the base comprising moyable lever means, and means associated with the compressor plates for preventing movement of the lever means when the compressor plate is in vertical position.

2,366,124
KNITTING MACHINE AND METHOD OF OPERATING SAME
Frank R. Page, Laconia, and John J. McDonough, Belmont, N. H., assignors to Scott & Williams, Incorporated, Laconia, N. H., a corporation of Massachusetts
Application December 30, 1942, Serial No. 470,672
24 Claims. (Cl. 66—93)



1. In a circular knitting machine, independent needles, butts on said needles and means causing differentiation of said butts into groups, in combination with sinkers adapted to form terry loops when inserted earlier than usual, a cam adapted to push sinkers in early and means actuated by the butts of at least one of said groups to cause insertion of said sinker cam during part of a revolution of the machine.

2,366,125
SUCTION CLEANER
Lloyd W. Pardee, Lakewood, Ohio, assignor to The Scott & Fetzer Company, Cleveland, Ohio, a corporation of Ohio
Application May 19, 1941, Serial No. 394,117
8 Claims. (Cl. 15—9)



1. For a suction cleaner comprising a fan case having an air inlet opening, a fan rotatably mounted in said fan case and having a shaft, a suction nozzle operatively connected with said inlet of said fan case and having a converter opening providing for access to said inlet opening, a brush mounted in the floor engaging mouth of said nozzle, a belt connecting the fan shaft with said brush for driving same; a converter coupling for attaching utility tools to said cleaner, said converter coupling including a tubular air conducting member adapted through said converter opening to be arranged in air conducting relationship with said fan inlet opening, and a belt shifting lever pivotally anchored in the wall of said member for pivotal movement about an axis extending transversely thereof, one end of said lever being adapted to be moved transversely of the housing into engagement with the belt and lift it free of the fan shaft.

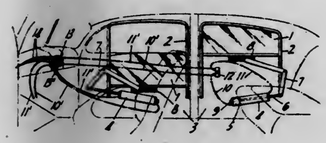
2,366,126
PRODUCTION OF CYCLOOLEFINIC HYDROCARBONS AND AROMATIC HYDROCARBONS
Herman Pines and Vladimir N. Ipatieff, Riverside, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application June 12, 1944, Serial No. 540,008
8 Claims. (Cl. 260—666)

1. A process for producing a cyclo-olefinic hydrocarbon which comprises reacting a glycol hav-

ing at least 4 carbon atoms per molecule and an olefinic hydrocarbon at a sufficient temperature and pressure that condensation of said olefinic hydrocarbon and glycol is the principal reaction of the process.

8. A process for producing a benzene hydrocarbon which comprises condensing a mono-olefinic hydrocarbon and a glycol containing at least 4 carbon atoms per molecule to produce a cyclohexene hydrocarbon and dehydrogenating said cyclohexene hydrocarbon to a benezene hydrocarbon.

2,366,127
WINDOW SYSTEM
Anton Rappl, Buffalo, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application August 28, 1941, Serial No. 408,655
4 Claims. (Cl. 121—44)



3. A closure system comprising a closure, a fluid motor for actuating the same and having a chamber and a relatively movable piston member therein, a pair of normally open pressure lines connecting the chamber at opposite sides of the piston member to a source of operating pressure whereby to normally fluid balance the piston member by the pressure from the source, control valve means arranged in the pressure lines to maintain them normally open and operable to selectively close off the source and vent the motor through either line, and other control valve means interposed between the first control valve means and the motor for maintaining them normally open and operable to selectively close either line to said source and vent the motor through the selected line.

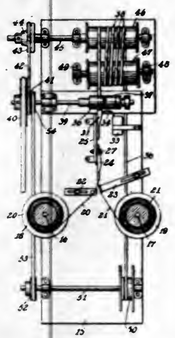
2,366,128
CHEWING GUM
Frank B. Root, Montclair, N. J., assignor to Ellis-Foster Company, a corporation of New Jersey
No Drawing. Application August 1, 1942, Serial No. 453,149
6 Claims. (Cl. 99—135)

1. Chewing gum material comprising the condensation product of an aliphatic polyamine with the polycarboxylic acid obtained by heating an unsaturated higher fatty acid and an alpha-beta ethylene dicarboxylic acid.

2,366,129
WATER-SOLUBLE RESINOUS PRODUCTS AND PROCESS OF MAKING
John B. Rust, Verona, N. J., assignor to Montclair Research Corporation, a corporation of New Jersey
No Drawing. Application August 4, 1942, Serial No. 453,553
11 Claims. (Cl. 260—70)

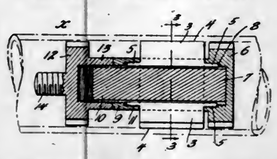
2. Process of making water-soluble resin comprising heating tetraethylenepentamine with boric acid at 180°–220° C. with the elimination of water until a fusible resin is secured.

2,366,130
MACHINE FOR INTERFOLDING STRIPS
Frederick R. Slavek, Woodside, Long Island, N. Y.
Application September 26, 1942, Serial No. 459,871
4 Claims. (Cl. 154—1)



1. In a machine for making an interfolded strip from two strips of ductile material respectively inner and outer, comprising in combination, a funnel folder having an opening in one of its side walls adjacent the outlet thereof, a container for a liquid adhesive, a wick to conduct the adhesive from said container through the folder wall opening to deposit it on the inner surface of one of the upstanding sides of the outer strip prior to occlusion thereof, and a pair of rolls to press the sides of the strip into coherency when passed therebetween.

2,366,131
TUBE CLEANING HEAD
Morril B. Spaulding, Habana, Cuba
Application March 27, 1942, Serial No. 436,503
3 Claims. (Cl. 15—104.09)

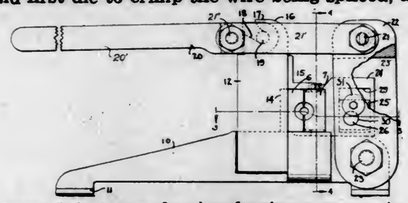


2. A rotatable tube cleaning head comprising a cylindrical body, a plurality of blades symmetrically spaced circumferentially and freely movable radially between inner and outer fixed abutments, said blades having bevelled outer longitudinal edges, and centering disks on the ends of the head concentric with said body and having circumferentially spaced projections on their peripheries for engagement with the inner surface of a tube to be cleaned, and having recesses between said projections for the passage of fluid, said body and disks being dynamically balanced.

2,366,132
WIRE SPLICER
George T. Stafford, Houston, Tex.
Application July 3, 1942, Serial No. 449,585
6 Claims. (Cl. 140—123)

1. A wire splicer comprising a frame, a standard extending upwardly therefrom, a die removably held by said standard an anchor portion on said standard, a member pivoted on said frame to move to a position substantially parallel to said

standard, a die on said member to cooperate with said first die to crimp the wire being spliced, and



a lever linkage mechanism having a means to releasably engage said anchor portion as a fulcrum to exert a high pressure on said dies.

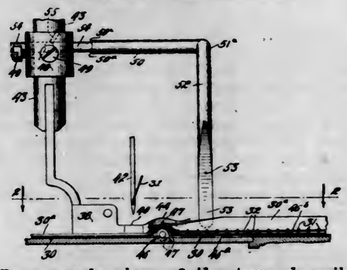
2,366,133
CONDENSATION OF OLEFIN SULPHONIC ACIDS WITH AROMATIC COMPOUNDS
Chester Merle Suter, Evanston, Ill., assignor to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio
No Drawing. Application December 3, 1941, Serial No. 421,483
12 Claims. (Cl. 260—505)

1. As new compositions of matter having detergent properties, water soluble salts of alkyl aromatic sulphonic acids of the general formula

$$R-Ar-\underset{\displaystyle CH_3}{\overset{\displaystyle R'}{\underset{|}{\overset{|}{C}}}}-CH_2-SO_3H$$

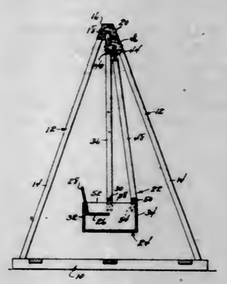
wherein R is an aliphatic group having about eight to fifteen carbon atoms, R′ is selected from the group consisting of methyl and hydrogen, and Ar is selected from the group consisting of phenyl (C_6H_4) and naphthyl ($C_{10}H_6$).

2,366,134
MEANS FOR MAKING STITCHED OPENWORK
Antonio Turrisi, New York, N. Y., assignor to Maiden Form Brassiere Company, Inc., New York, N. Y., a corporation of New York
Original application March 10, 1938, Serial No. 195,065. Divided and this application July 25, 1940, Serial No. 347,400
16 Claims. (Cl. 112—217)



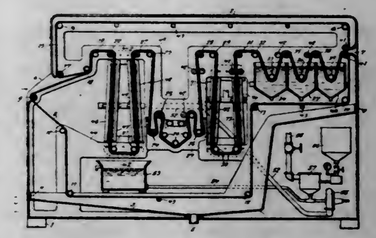
1. In a mechanism of the type described for stitching-back selvages to the respective bodies of fabric portions joined by slack stitching, a selvage separating finger, means for holding each of the separated selvages against the body of the fabric portion of which it is part; a rotatable stitch-separating toothed wheel disposed between said means and said finger, means for stitching each such selvage to said body, and means for advancing the fabric portions successively to the aforementioned separating finger, toothed wheel, holding means and stitching means.

2,366,135
SWING
Lucien Vermette, Yonkers, N. Y.
Application August 3, 1943, Serial No. 497,206
3 Claims. (Cl. 155—60)



1. A swing comprising a supporting frame, a fixed gear carried at the top of said supporting frame, a seat supported in the frame below the axis of the fixed gear, bars pivotally connected with said seat and with said supporting frame coaxially with said fixed gear, a crank rotatably carried by said bars in offset relationship thereto and having a gear meshing with said first-mentioned gear, and bar means pivotally connected with said seat and with said crank at a point spaced from the first bars.

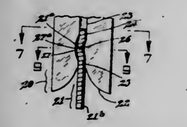
2,366,136
CONTINUOUS FLATWORK LAUNDERING MACHINE
Jerome Waldstein, Brooklyn, N. Y.
Application July 1, 1943, Serial No. 492,990
3 Claims. (Cl. 68—9)



1. A laundering machine comprising a base, an enclosure secured thereto, an endless foraminous belt mounted in the lower portion of said enclosure, a second such belt mounted in the upper portion thereof and contacting with said first belt from end to end of said enclosure to hold fabric therebetween, two sets of opposed vertical sprays at the intake end of said enclosure, said contacting belts passing vertically between said sprays, means for forcing detergent solution from said sets of sprays simultaneously through said contacting belts from opposite sides and into the fabric therebetween, horizontal rollers below said sprays, said belts and fabric being in a horizontal position between said rollers, the space between said rollers being free from sprays, a catch basin below said space to receive liquid from said sprays, a second group of substantially vertical sprays in proximity to the outlet end of said enclosure, said contacting belts passing between the sprays of said second set, and means for forc-

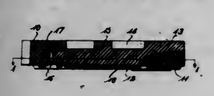
ing rinsing water through said belts from opposite sides, a bleaching bath intermediate said two groups of sprays, said contacting belts passing through said bath.

2,366,137
YARN GUIDE MEANS
Frank G. Weisbecker, Glenside, Pa., assignor to Hosiery Patents Inc., Lansdale, Pa., a corporation of Pennsylvania
Application July 29, 1943, Serial No. 496,668
7 Claims. (Cl. 66—126)



1. In combination, a support, a yarn guide element having a resilient yarn guide section, and means on said support arranged to releasably retain said element in cooperative association with said support when the element is bodily moved laterally into engagement with said means.

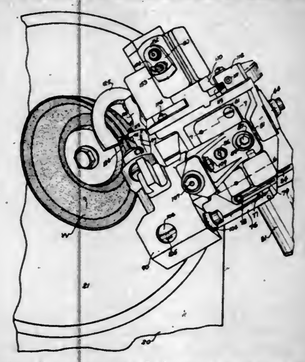
2,366,138
RUBBER HEEL
Donald M. Welch, Winchester, Va., assignor to O'Sullivan Rubber Company, Inc., Winchester, Va., a corporation of Delaware
Application December 22, 1942, Serial No. 469,833
2 Claims. (Cl. 36—59)



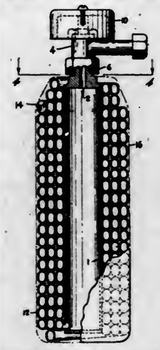
1. As an article of manufacture, a rubber heel having a body portion of resilient vulcanized rubber and a wearing portion of abrasion resistant material containing vulcanized rubber, said wearing portion comprising vulcanized rubber containing textile fibers substantially all oriented so as to extend generally vertically of said heel and being positioned adjacent the rear and rear side edges of the heel, said wearing portion being integrally bonded to said body portion and extending downwardly below the plane of the lower surface of the body portion of the heel to provide a wearing surface which protects the lower surface body portion of the heel from excessive abrasion and extending a part only of the distance from the bottom surface of the heel so as to be cushioned by a portion of the resilient rubber of the body portion of the heel.

2,366,139
METHOD AND APPARATUS FOR DRESSING GRINDING WHEELS
Ernest Wildhaber and Arthur L. Stewart, Brighton, and Arthur Fumia, Rochester, N. Y., assignors to Gleason Works, Rochester, N. Y., a corporation of New York
Application November 26, 1943, Serial No. 511,802
20 Claims. (Cl. 125—11)

1. The method of dressing a grinding wheel which comprises moving a side and a tip-dressing tool across a side and the tip of the wheel, respectively, in one direction, and then reversing the direction of movement of the tools and maintaining the side-dressing tool in engagement with the wheel during its return stroke but withholding the tip-dressing tool from engagement with the wheel on its return stroke.



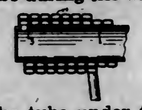
2,366,140
PRESSURE TANK
Sterling W. Alderfer, Akron, Ohio, assignor of one-half to Edward D. Andrews, Akron, Ohio
Application October 19, 1942, Serial No. 462,628
4 Claims. (Cl. 220—3)



1. A portable container for holding liquefied gas under pressure, comprising a main container having a release valve for discharging the contents of the container, and an auxiliary container for holding a portion of the gas, said auxiliary container being formed of a pipe of smaller diameter than the main container said pipe being sealed at one end and communicating at the other end with the interior of the main container and tightly wrapped in a series of closely adjacent coils about the exterior of the main container.

2,366,141
METHOD OF MAKING PRESSURE CONTAINERS
Sterling W. Alderfer, Akron, Ohio, assignor of one-half to Edward D. Andrews, Akron, Ohio
Application June 25, 1943, Serial No. 492,323
1 Claim. (Cl. 29—148.2)

The method of manufacturing a pressure container which comprises a coil of tubing surrounding and in connection with a central hollow core, said method comprising attaching one end of the tubing to the core, sealing the core, filling the tubing and the core with fluid under pressure to a predetermined degree sufficient to prevent collapsing of the tube during the winding operations,



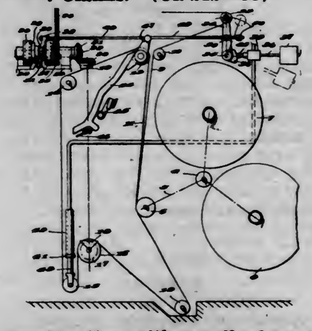
and wrapping the tube under tension about the core while maintaining the volume of the tube at a substantial constant.

2,366,142
BLADE SHROUDING
Robert C. Allen, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application July 14, 1943, Serial No. 494,644
9 Claims. (Cl. 253—77)



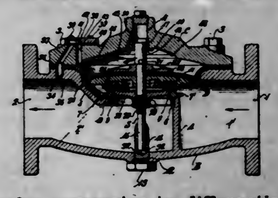
1. In combination, a plurality of turbine blades positioned in passage forming relation and embodying a shroud structure comprising integral shroud portions on adjacent blades presenting opposed contiguous edge surfaces shaped to provide therebetween an enlarged rivet receiving opening which extends in a direction approximately normal to the fluid confining surfaces of said shroud portions, a strip spanning said integral portions and having therein an aperture alined with said rivet receiving opening, and a rivet extending through said aperture and opening for securing said strip to the integral shroud portions on adjacent blades.

2,366,143
TENSION MECHANISM
Charles S. Caffrey, Port Washington, N. Y., assignor to Wood Newspaper Machinery Corporation, Plainfield, N. J., a corporation of Virginia
Application January 24, 1942, Serial No. 428,133
7 Claims. (Cl. 242—58)



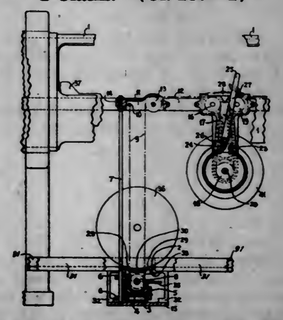
1. In combination with a roll of paper and a bending roller receiving a web from said roll, a rock arm, a floating roller carried by the arm for receiving the web from the bending roller, a rock shaft carrying the arm, a counter-weight on the shaft, a cam on the shaft, a fluid pressure valve controlled by the cam, a running tension belt bearing on the roll of paper, driving means for the belt, a tension roller resting by gravity on the belt, a vertical piston above the roller and upon which the roller is journalled, a fluid pressure chamber for urging the piston downwardly against the belt and means connecting said chamber with the pressure valve.

2,366,144
PRESSURE RESPONSIVE VALVE
Donald G. Griswold, Alhambra, Calif., assignor to Clayton Manufacturing Company, Alhambra, Calif.
Application May 1, 1940, Serial No. 332,824
13 Claims. (Cl. 137—153)



11. A valve responsive to differential pressure in the inlet and outlet chambers thereof comprising: a valve body; a cover for said valve body including a substantially flat external face portion, said valve body having an inlet chamber, an outlet chamber, and a valve seat between said chambers; fluid pressure operable means cooperable with said valve seat for controlling the flow therethrough, said cover member having a chamber to receive operating fluid for affecting the actuating of said fluid pressure operable means, said body having a passageway extending therethrough communicating at its lower end with said outlet chamber and said cover member having two passageways extending therethrough with their upper ends terminating in spaced relation in said face portion, one of said passageways registering at its lower end with the upper end of said passage in said valve body and the other of said passageways opening at its lower end into said pressure chamber; and an element detachably mounted upon said cover in sealing relation with said face portion provided with passage means registering with and interconnecting the upper spaced ends of said two passageways of said cover member.

2,366,145
BOBBIN HOISTING MEANS OF STRANDING AND OTHER MACHINES
John Hamilton Larmuth, Upper Colwyn Bay, North Wales
Application May 28, 1942, Serial No. 444,846
In Great Britain July 3, 1941
1 Claim. (Cl. 187—1)



A bobbin hoisting means of a stranding machine wherein a bobbin is hoisted into a cradle, comprising a stationary base member at the base of the machine, brackets fixed to the machine at the sides thereof, guide rods fixed at their upper ends to the brackets and at their lower ends to the said stationary base member, snatch

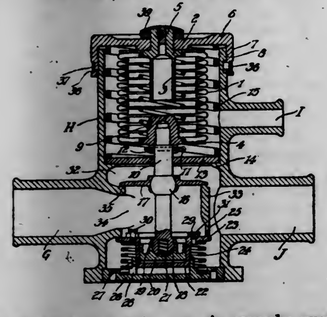
blocks slidably mounted on the guide rods, a cross member connected at each end to one of the snatch blocks, a bobbin platform mounted on the cross member and secured to the cross member vertically beneath the cradle, and means for lifting the snatch blocks and therefore the cross member and bobbin platform and thereby hoisting a bobbin into the said cradle.

2,366,146

AIR SUPPLY SYSTEM FOR AIRCRAFT FUEL TANKS AND VALVE FOR USE THEREIN

William Frederick Forrest Martin-Hurst, Sunbury-on-Thames, England

Application March 12, 1942, Serial No. 434,434
In Great Britain December 23, 1940
10 Claims. (Cl. 277—45)



1. A valve for use in an air supply system for the fuel tank of an aircraft, comprising a housing, an expansible metallic bellows disposed in one compartment of said housing which is in permanent communication with atmosphere, a spindle operated by said bellows and extending into another compartment of said housing having an inlet adapted for connection to the fuel tank and an outlet connected to atmosphere, a valve member carried by said spindle controlling the flow of air between said inlet and outlet, a piston carried by the end of said spindle and mounted in a dashpot cylinder constituting a safety valve, a spring normally maintaining said safety valve closed and a vacuum valve mounted above said safety valve.

2,366,147

TYPEWRITER REEL

Jean L. May, Salt Lake City, Utah, assignor of one-half to A. L. Glasmann and George C. Buckle, Ogden, Utah

Application May 31, 1940, Serial No. 338,247
1 Claim. (Cl. 242—74)



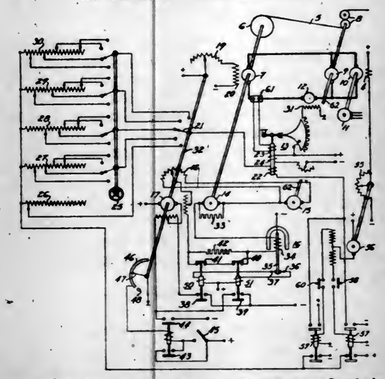
A reel comprising a longitudinally split hub member and opposed flange members joined to opposite ends thereof, the split in said hub member providing an axial slit of a width to snugly receive a ribbon and said flange members each having a radial key-hole shaped slot, each of said slots having its narrowest portion in alignment with the sides of the slit and its sides diverging outwardly from the sides of the slit with its circular inner end behind the slit, a pin carried by one end of a ribbon and having enlarged heads at opposite ends thereof, said pin having a body of slightly greater length than the distance between the flange members and of a greater diameter than the width of the slit and narrowest portion of the flange slot so as to be laterally retained thereby, and the circular inner end of each flange slot being of slightly greater diameter than that of the heads of the pins, whereby when the pin is inserted in the circular inner ends of the flange slots and placed under tension by the attached ribbon the heads of the pin will overhang the circular ends of the flange slots to prevent longitudinal separation thereof.

2,366,148

MOTOR CONTROL SYSTEM

Terryl B. Montgomery, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware

Application April 18, 1941, Serial No. 389,156
13 Claims. (Cl. 242—75)



11. In a control system, a dynamo-electric machine, a reel carrying strip material, a power transmitting connection between said reel and said dynamo-electric machine, means including a current regulator for controlling said dynamo-electric machine for maintaining the power transmitted between said dynamo-electric machine and said reel at a substantially constant value at constant strip speed, means for changing the speed of said strip, means comprising a biasing means for said current regulator for changing said value of transmitted power during said speed changing, and means comprising a resistor the value of which is preset in accordance with the width and reel diameter of said reeled material for predetermining said regulator bias.

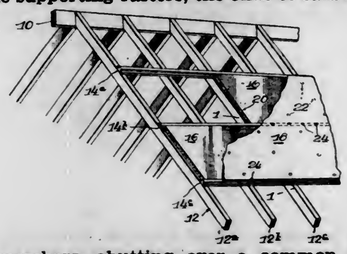
2,366,149

ROOF STRUCTURE

John A. Robertson, Deerfield, Duncan S. Payne, Chicago, and Beach Frederick Arendt, Park Ridge, Ill., assignors to United States Gypsum Company, Chicago, Ill., a corporation of Illinois

Application August 2, 1943, Serial No. 497,018
4 Claims. (Cl. 108—1)

1. In a roof deck, in the combination with supporting rafters spaced apart a multiple fraction of the length of the sheet-like member, a purlin having substantially an inverted T section erected transversely of the said supporting rafters, the longitudinal marginal edges of the said purlin having a complementary load supportable recess to engage in juxtaposition a like complementary longitudinal load transmittable marginal projection forming the upper part of edges of said sheet-like members, the lower surface of said sheet-like member supported partly by the supporting rafters, the ends of said sheet-



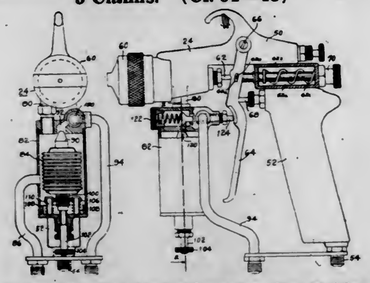
like members, abutting over a common rafter in the same course and on other rafters in adjacent courses, but between said purlins, the said purlins and said sheet-like members attached to the rafters.

2,366,150

SPRAYING APPARATUS

Clarence B. Yount, Dayton, Ohio, assignor to The Sherwin-Williams Company, Cleveland, Ohio, a corporation of Ohio

Application March 30, 1942, Serial No. 436,800
5 Claims. (Cl. 91—45)



5. In a spraying device for spraying fluids while hot, the combination including means for supplying hot fluid, a spray gun having a main valve, tubular means for interconnecting the spray gun to said first mentioned means, and by-pass circuit means, said by-pass circuit means interconnecting the spray gun to said first mentioned means, said by-pass circuit means including a by-pass passage, a thermostatically controlled needle valve opening the by-pass passage in response to a predetermined drop in the temperature of the fluid in the vicinity of the spray gun, said thermostatically controlled valve including a fluid filled bellows supporting the needle of the valve, and a resilient support for the bellows opposite the needle valve permitting expansion of the bellows after closing of the needle valve, said thermostatically controlled valve closing the by-pass passage in response to a predetermined temperature rise of the fluid in the vicinity of the spray gun.

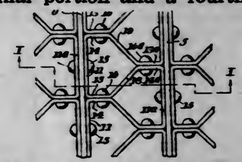
2,366,151

LONG SPAN, CONTINUOUS BAR, MOMENT RESISTING, RETICULATED GRATING PANEL

Charles O. Emerson, Pittsburgh, Pa.

Application February 5, 1943, Serial No. 474,862
3 Claims. (Cl. 189—82)

1. A grating structure comprising a plurality of spaced longitudinal supports and a reticulated structure extending between each pair of supports, said reticulated structure including a plurality of continuous bar units, each continuous bar unit comprising a first transverse portion, a longitudinal portion, a second transverse portion, a connecting portion, a third transverse portion, a longitudinal portion and a fourth transverse



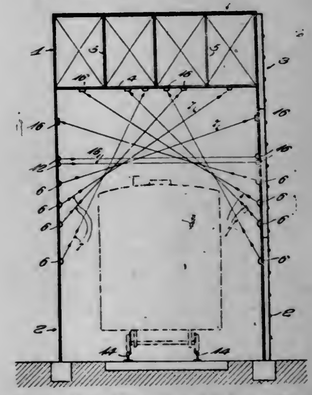
portion, said portions being connected to each other in the order named, the first and second transverse portions of adjacent units being connected, and the third and fourth portions of adjacent units being connected, and the longitudinal portions being secured to the upper part of and extending continuously along the longitudinal supports.

2,366,152

SYSTEM AND APPARATUS FOR DETECTING HIGH AND WIDE RAILROAD CARS AND OPEN TOP LADING

George Edward Lauterbach, Palisade, N. J.

Application January 13, 1943, Serial No. 472,293
1 Claim. (Cl. 177—311)



In a system for detecting high and wide cars and ladings on open topped cars which exceed permissible clearances, a frame comprising uprights disposed at opposite sides of a trackbed and a bridge portion extending over the trackbed, two sets of normally active light sources disposed at different levels on each of said uprights, one of said sets of light sources being arranged to direct light beams at different angles upwardly and inwardly and the other set of said light sources being arranged to direct light beams inwardly in different horizontal planes, a signal means, and sets of photoelectric relays disposed on said bridge portion and on said uprights of the frame for cooperation with the respective sets of light sources and so as to be influenced by and responsive respectively to the angularly and horizontally directed beams of light from said sources to normally maintain the signal means in an inactive condition, each photoelectric relay being individually operative when its influencing beam is intercepted by car or lading to render said signal means active to give a signal.

2,366,153

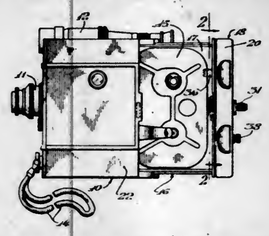
FILM MAGAZINE EJECTING MECHANISM

Philmore F. Sperry, deceased, late of Chicago, Ill., by Helen B. Sperry, executrix, Chicago, Ill., assignor, by mesne assignments, to Theodore H. Briskin, Philip F. Briskin, and Jack Briskin

Original application November 3, 1941, Serial No. 417,648. Divided and this application November 23, 1942, Serial No. 466,597

4 Claims. (Cl. 88—17)

1. In a mechanism of the type described, the combination of a casing providing a magazine chamber, a carrier in the form of a drawer movable forwardly and backwardly in said chamber for moving a film magazine mounted in the carrier into and out of operative position in said chamber, spring-pressed means mounted on the rear wall portion of the drawer for pressing a film magazine forwardly in the drawer, cam means mounted on the rear wall portion of the drawer for holding the film magazine positively against backward movement with respect to the drawer, and means movably mounted on said rear wall portion of said carrier adapted



by an operative stroke sidewise when the carrier is in about its rearmost position to give a film magazine in said carrier a preliminary movement out of position in the carrier.

DESIGNS

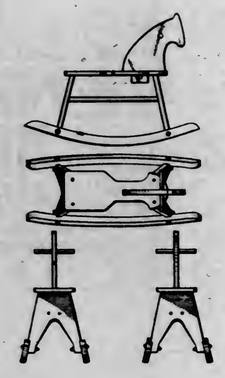
DECEMBER 26, 1944

139,800

DESIGN FOR A HOBBYHORSE

Cecil F. Brown, Kansas City, Mo.

Application July 29, 1944, Serial No. 114,640
Term of patent 14 years
(Cl. D34—15)



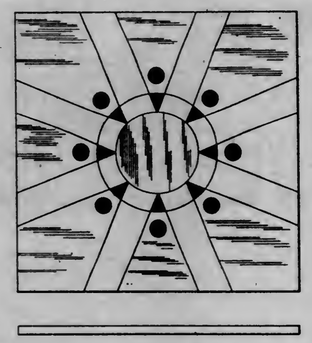
The ornamental design for a hobbyhorse, as shown.

139,801

DESIGN FOR A GAME BOARD

Landon Napoleon Cheek, Nashville, Tenn., assignor to R. Pete Schield, Nashville, Tenn.

Application October 5, 1943, Serial No. 111,272
Term of patent 14 years
(Cl. D34—5)



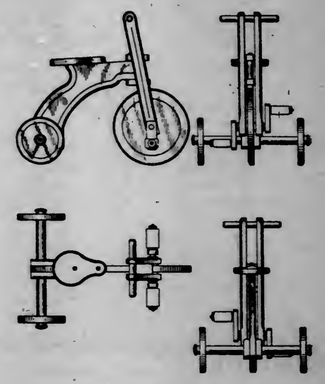
The ornamental design for a game board, as shown.

139,802

DESIGN FOR A TRICYCLE OR SIMILAR ARTICLE

Henry G. Hanscom, Elmhurst, Ill.

Application February 28, 1944, Serial No. 112,736
Term of patent 3½ years
(Cl. D34—15)



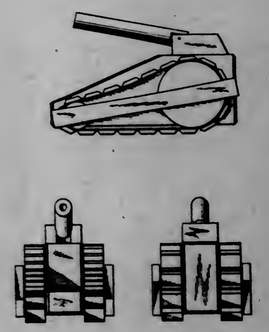
The ornamental design for a tricycle or similar article, as shown.

139,803

DESIGN FOR A TOY

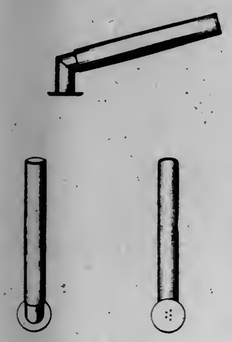
John L. Henry, Los Angeles, Calif.

Application September 4, 1944, Serial No. 115,189
Term of patent 3½ years
(Cl. D34—15)



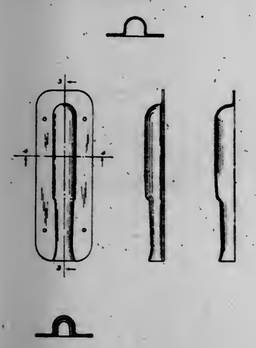
The ornamental design for a toy, substantially as shown.

139,804
DESIGN FOR A MOISTENER
Ottmar Kaub, St. Louis, Mo.
Application May 18, 1944, Serial No. 113,638
Term of patent 14 years
(Cl. D74—10)



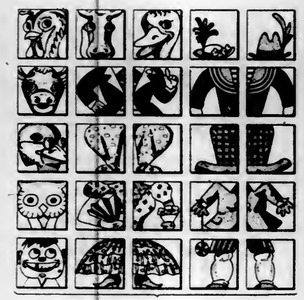
The ornamental design for a moistener, substantially as shown.

139,805
DESIGN FOR A SASH WEIGHT SUSPENSION PULLEY COVER
Joseph Niedermeyer, Milwaukee, Wis.
Application September 27, 1944, Serial No. 115,486
Term of patent 14 years
(Cl. D10—10)



The ornamental design for a sash weight suspension pulley cover, substantially as shown.

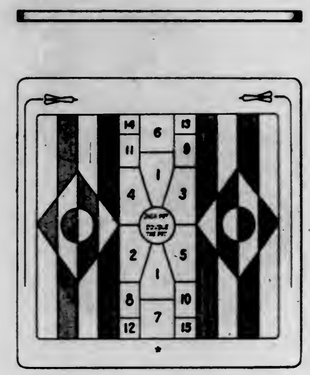
139,806
DESIGN FOR A SET OF TOY ANIMAL BLOCKS
Eoina Nudelman, Chicago, Ill.
Application August 30, 1944, Serial No. 115,129
Term of patent 7 years
(Cl. D34—15)





The ornamental design for a set of toy animal blocks, as shown and described.

139,807
DESIGN FOR A DART GAME BOARD
Henry Elton Pease, Chicago, Ill., assignor to Henry C. Hitzeman, Clarence B. Winkler, and Henry Elton Pease, all of Chicago, Ill.
Application October 15, 1943, Serial No. 111,387
Term of patent 14 years
(Cl. D34—5)



The ornamental design for a dart game board, as shown.

139,808
DESIGN FOR AN ASH TRAY
Frank Powell, Miami, Fla.
Application October 11, 1944, Serial No. 115,720
Term of patent 7 years
(Cl. D85—2)



The ornamental design for an ash tray, substantially as shown and described.

139,809
DESIGN FOR AN ASH TRAY
Frank Powell, Miami, Fla.
Application October 12, 1944, Serial No. 115,743
Term of patent 7 years
(Cl. D85—2)



The ornamental design for an ash tray, substantially as shown.

139,810
DESIGN FOR AN EMBROIDERED TRIMMING OR SIMILAR ARTICLE
Hans Tobler, Teaneck, N. J.
Application July 1, 1944, Serial No. 114,276
Term of patent 3½ years
(Cl. D92—1)



The ornamental design for an embroidered trimming or similar article, substantially as shown.

139,811
DESIGN FOR AN EMBROIDERED TRIMMING OR SIMILAR ARTICLE
Hans Tobler, Teaneck, N. J.
Application July 1, 1944, Serial No. 114,277
Term of patent 3½ years
(Cl. D92—1)



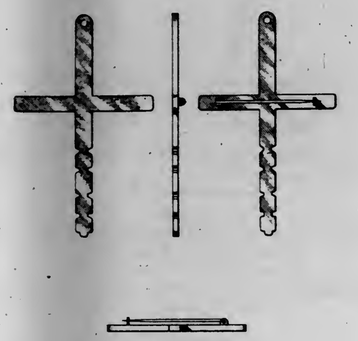
The ornamental design for an embroidered trimming or similar article, substantially as shown.

139,812
DESIGN FOR AN EMBROIDERED TRIMMING OR SIMILAR ARTICLE
Hans Tobler, Teaneck, N. J.
Application July 10, 1944, Serial No. 114,355
Term of patent 3½ years
(Cl. D92—1)



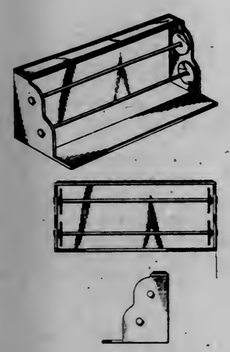
The ornamental design for an embroidered trimming or similar article, substantially as

139,813
DESIGN FOR A PIN OR SIMILAR ARTICLE OF JEWELRY
Joseph Walker, Canonsburg, Pa.
Application June 19, 1944, Serial No. 114,103
Term of patent 14 years
(Cl. D45—19)



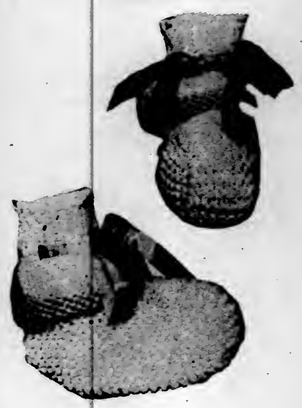
The ornamental design for a pin or similar article of jewelry, as shown.

139,814
DESIGN FOR A CARPET DISPLAY RACK
Carl E. Anderson, Kansas City, Kans.
Application September 11, 1944, Serial No. 115,261
Term of patent 14 years
(Cl. D80—9)



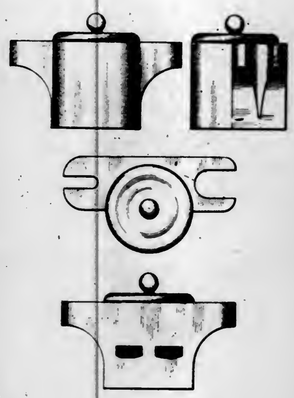
The ornamental design for a carpet display rack, as shown.

139,815
DESIGN FOR A BABY'S BOOTEE
Florence L. Bécard, Irvington, N. Y.
Application October 30, 1944, Serial No. 116,045
Term of patent 14 years
(Cl. D7—7)



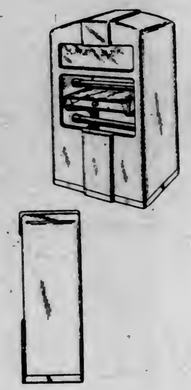
The ornamental design for a baby's bootee, as shown.

139,816
DESIGN FOR A COMBINED SOAP BOWL AND HOLDER
Leo Bertisch, Cedarhurst, N. Y.
Application September 30, 1944, Serial No. 115,544
Term of patent 14 years
(Cl. D86—10)



The ornamental design for a combined soap bowl and holder, substantially as shown.

139,817
DESIGN FOR A STERILIZING DEVICE
Frank J. Chandler and James B. Paton, Detroit, Mich.
Application June 23, 1944, Serial No. 114,156
Term of patent 7 years
(Cl. D83—1)



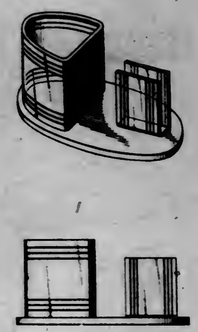
The ornamental design for a sterilizing device, as shown and described.

139,818
DESIGN FOR LACE
Charles Clarkson, Jr., Pawtucket, R. I., assignor to American Textile Company, Inc., a corporation of Rhode Island
Application September 28, 1944, Serial No. 115,500
Term of patent 14 years
(Cl. D47—6)



The ornamental design for lace, substantially as shown.

139,819
DESIGN FOR A COMBINED CIGARETTE CONTAINER AND MATCH HOLDER
Judson Craig Eubank, New York, N. Y.
Application October 13, 1944, Serial No. 115,758
Term of patent 7 years
(Cl. D85—2)



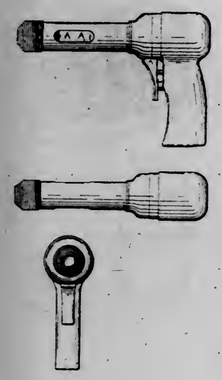
The ornamental design for a combined cigarette container and match holder, substantially as shown.

139,820
DESIGN FOR A SPECTACLE FRAME OR SIMILAR ARTICLE
Isidor Fishberger, Hyman Weinstein, and Sam Levine, New York, N. Y.
Application October 19, 1944, Serial No. 115,868
Term of patent 14 years
(Cl. D57—1)



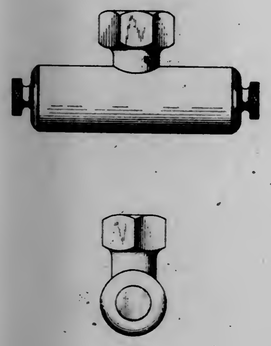
The ornamental design for a spectacle frame or similar article, as shown and described.

139,821
DESIGN FOR A PNEUMATIC RIVETING HAMMER UNIT
Ernest Forss, Rockford, Ill., assignor to Nils F. Testor, Rockford, Ill.
Application January 10, 1944, Serial No. 112,205
Term of patent 14 years
(Cl. D54—14)



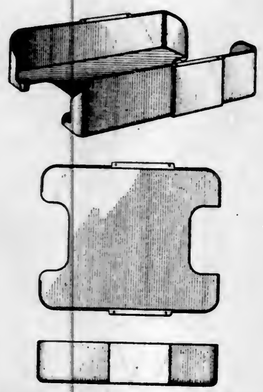
The ornamental design for a pneumatic riveting hammer unit, substantially as shown.

139,822
DESIGN FOR A SHOWER SPRAY NOZZLE
Walter J. Frost, Kenosha, Wis., assignor to Frost Company, Kenosha, Wis., a corporation of Wisconsin
Application October 13, 1944, Serial No. 115,754
Term of patent 14 years
(Cl. D91—1)



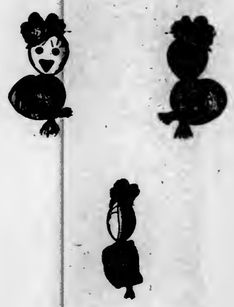
The ornamental design for a shower spray nozzle, as shown.

139,823
DESIGN FOR A LETTER TRAY OR SIMILAR ARTICLE
Charles E. Jones, Chicago, Ill., assignor to Rockwell-Barnes Company, Chicago, Ill., a corporation of Illinois
Application October 23, 1944, Serial No. 115,926
Term of patent 14 years
(Cl. D74—1)



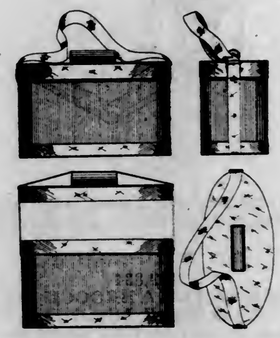
The ornamental design for a letter tray or similar article, substantially as shown.

139,824
DESIGN FOR A BROOCH PIN
Clarice L. Leonhardt, Miami, Fla.
Application October 24, 1944, Serial No. 115,940
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch pin, substantially as shown.

139,825
DESIGN FOR A HANDBAG
Louis Carl Levine, Brooklyn, N. Y.
Application September 18, 1944, Serial No. 115,334
Term of patent 3½ years
(Cl. D87—3)



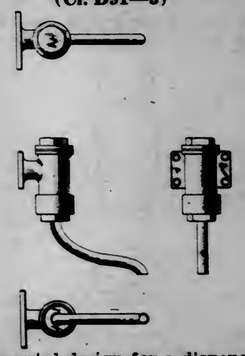
The ornamental design for a handbag, substantially as shown.

139,826
DESIGN FOR A SPECTACLE CASE OR SIMILAR ARTICLE
Emanuel Nathan, Maplewood, N. J.
Application October 28, 1944, Serial No. 116,015
Term of patent 7 years
(Cl. D57—1)



The ornamental design for a spectacle case or similar article, as shown.

139,827
DESIGN FOR A DISPENSING FAUCET
Frederick C. Pieut, Westfield, N. J.
Application August 28, 1944, Serial No. 115,065
Term of patent 14 years
(Cl. D91—3)



The ornamental design for a dispensing faucet, as shown.

139,828
DESIGN FOR A COMBINED CLOTHESPIN AND HANGER OR SIMILAR ARTICLE
Sidney R. Pine, Maplewood, N. J.
Application October 26, 1944, Serial No. 115,993
Term of patent 14 years
(Cl. D17—6)



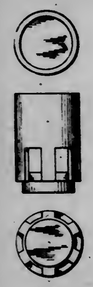
The ornamental design for a combined clothespin and hanger or similar article, as shown.

139,829
DESIGN FOR A LAPEL FOB WATCH
Saul Plosky, New York, N. Y.
Application September 20, 1944, Serial No. 115,373
Term of patent 7 years
(Cl. D42—8)



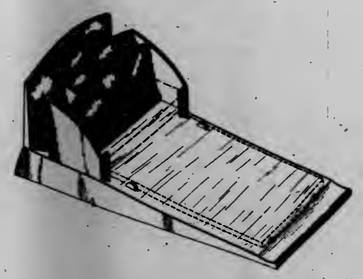
The ornamental design for a lapel fob watch, substantially as shown.

139,830
DESIGN FOR A VALVE CHECK
Clarence Pool, Rivera, Calif.
Application November 22, 1943, Serial No. 111,755
Term of patent 7 years
(Cl. D91—1)



The ornamental design for a valve check, as shown.

139,831
DESIGN FOR A COMBINATION DESK UNIT
Emanuel R. Posnack, New York, N. Y.
Application September 2, 1944, Serial No. 115,169
Term of patent 14 years
(Cl. D74—1)



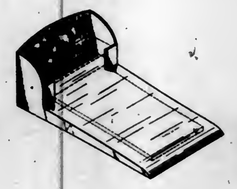
The ornamental design for a combination desk unit, substantially as shown and described.

139,832
DESIGN FOR A COMBINATION DESK UNIT
Emanuel R. Posnack, New York, N. Y.
Application September 2, 1944, Serial No. 115,170
Term of patent 14 years
(Cl. D74—1)



The ornamental design for a combination desk unit, substantially as shown and described.

139,833
DESIGN FOR A COMBINATION DESK UNIT
Emanuel R. Posnack, New York, N. Y.
Application September 2, 1944, Serial No. 115,171
Term of patent 14 years
(Cl. D74—1)



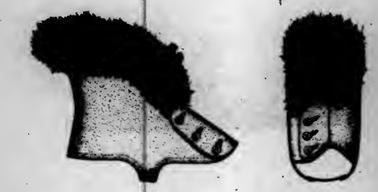
The ornamental design for a combination desk unit, substantially as shown and described.

139,834
DESIGN FOR A BROOCH PIN
Frank Powell, Miami, Fla.
Application October 11, 1944, Serial No. 115,719
Term of patent 7 years
(Cl. D45—19)



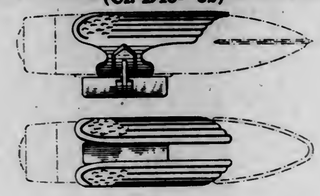
The ornamental design for a brooch pin, substantially as shown.

139,835
DESIGN FOR A SPAT
Herbert S. Rauh, New York, N. Y.
Application December 16, 1943, Serial No. 112,014
Term of patent 7 years
(Cl. D7—7)



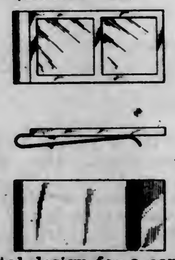
The ornamental design for a spat, substantially as shown.

139,836
DESIGN FOR A LAMP SUPPORT
Charles Sabiers, Amherst, Ohio
Application August 24, 1944, Serial No. 115,011
Term of patent 14 years
(Cl. D48—32)



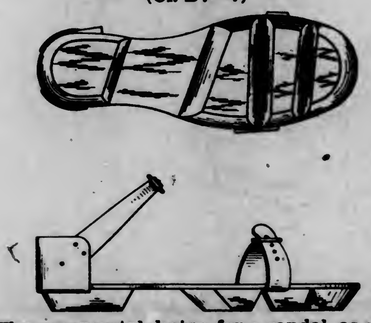
The ornamental design for a lamp support, as shown and described.

139,837
DESIGN FOR A COMBINED PICTURE FRAME AND CLIP
Jacob Tamis, Yonkers, N. Y.
Application October 11, 1944, Serial No. 115,713
Term of patent 3½ years
(Cl. D17—10)



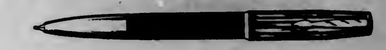
The ornamental design for a combined picture frame and clip, substantially as shown.

139,838
DESIGN FOR A SANDAL
Charles F. Walker and Despot Murray, Philadelphia, Pa.
Application August 14, 1944, Serial No. 114,882
Term of patent 14 years
(Cl. D7—7)



The ornamental design for a sandal, as shown.

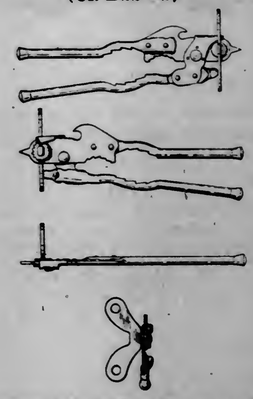
139,839
DESIGN FOR A FOUNTAIN PEN
Arthur Winter, Weehawken, N. J.
Application July 27, 1944, Serial No. 114,590
Term of patent 14 years
(Cl. D74—17)





The ornamental design for a fountain pen, as shown and described.

139,840
DESIGN FOR A COMBINED CAN OPENER AND GRIPPING TOOL
Purley Amos Crandell, Burnley, England, assignor to Ekco Products Company, Chicago, Ill., a corporation
Application June 10, 1944, Serial No. 113,940
In Great Britain March 24, 1944
Term of patent 14 years
(Cl. D22—2)



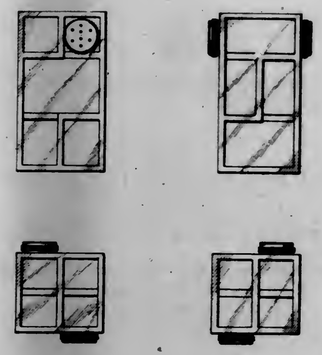
The ornamental design for a combined can opener and gripping tool, as shown.

139,841
DESIGN FOR A COMPACT
William M. Emery, Shaker Heights, Ohio
Application March 2, 1944, Serial No. 112,767
Term of patent 14 years
(Cl. D86—10)



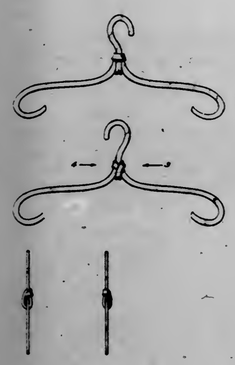
The ornamental design for a compact, substantially as shown.

139,842
DESIGN FOR A COMBINED SALT AND PEPPER SHAKER
Max Groetsch and Bernardine M. Sprague, Pittsburgh, Pa.
Application October 12, 1944, Serial No. 115,740
Term of patent 14 years
(Cl. D44—22)



The ornamental design for a combined salt and pepper shaker, as shown.

139,843
DESIGN FOR A COAT HANGER
Eugene S. Schneider, Los Angeles, Calif.
Application June 10, 1944, Serial No. 113,956
Term of patent 14 years
(Cl. D80—8)



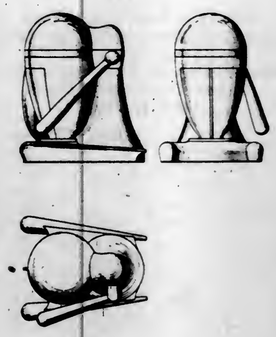
The ornamental design for a coat hanger, as shown.

139,844
DESIGN FOR A COMBINED DRILL AND COUNTERBORE
Lawson A. Smith, Los Angeles, Calif., assignor to Robert H. Clark, Los Angeles, Calif.
Application May 5, 1944, Serial No. 113,480
Term of patent 14 years
(Cl. D54—14)



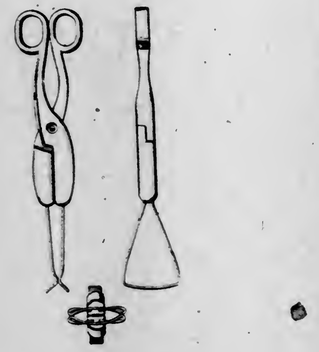
The ornamental design for a combined drill and counterbore, as shown and described.

139,845
DESIGN FOR A JUICE EXTRACTOR
Henry J. Talge, Kansas City, Mo., assignor to John C. Hockery, Foster L. Talge, and Henry J. Talge, doing business as Rival Manufacturing Company, Kansas City, Mo.
Application October 16, 1944, Serial No. 115,806
Term of patent 14 years
(Cl. D89—1)



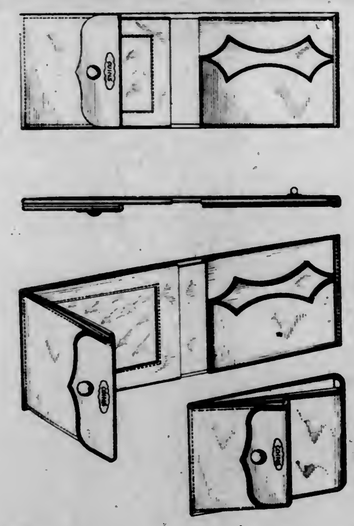
The ornamental design for a juice extractor, substantially as shown.

139,846
DESIGN FOR A BOTTLE LIFTER
Owen Taylor, Dallas, Tex., assignor to David H. Borger, Dallas, Tex.
Application September 18, 1944, Serial No. 115,359
Term of patent 14 years
(Cl. D44—29)



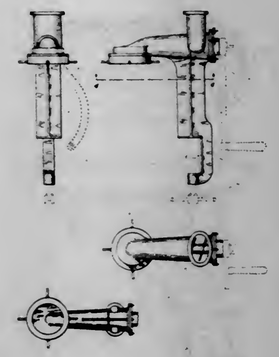
The ornamental design for a bottle lifter, as shown.

139,847
DESIGN FOR A WALLET
Robert S. Berens, New York, N. Y.
Application October 19, 1944, Serial No. 115,877
Term of patent 14 years
(Cl. D87—3)



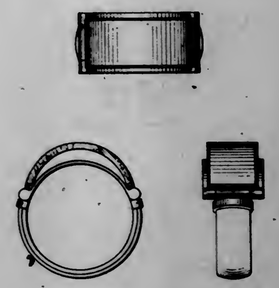
The ornamental design for a wallet, as shown and described.

139,848
DESIGN FOR A HOUSEHOLD FOOD MACHINE OR SIMILAR ARTICLE
Alexander T. Deutsch, Cincinnati, Ohio
Application July 26, 1944, Serial No. 114,562
Term of patent 14 years
(Cl. D89—1)



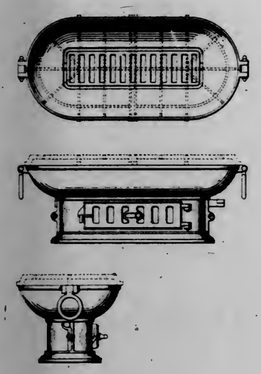
The ornamental design for a household food machine or similar article, as shown and described.

139,849
DESIGN FOR A FINGER RING
Robert T. Dieges, West Barrington, R. I.
Application June 17, 1944, Serial No. 114,045
Term of patent 14 years
(Cl. D45—10)



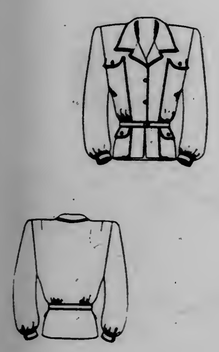
The ornamental design for a finger ring, substantially as shown.

139,850
DESIGN FOR A COMBINED STOVE AND GRILL OR THE LIKE
Alfred B. Frenning, Little Compton, R. I., assignor to S. M. Howes, Inc., Taunton, Mass., a corporation of Massachusetts
Application September 29, 1944, Serial No. 115,515
Term of patent 14 years
(Cl. D81—10)



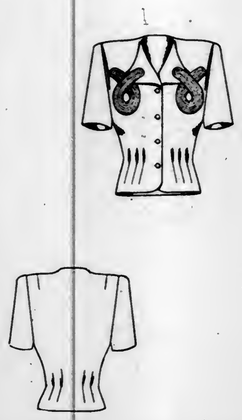
The ornamental design for a combined stove and grill or the like, substantially as shown and described.

139,851
DESIGN FOR A JACKET
Zelma Golden, New York, N. Y.
Application November 25, 1944, Serial No. 116,530
Term of patent 3½ years
(Cl. D3—4)



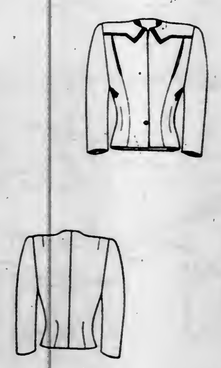
The ornamental design for a jacket, substantially as shown.

139,852
DESIGN FOR A JACKET
Zelma Golden, New York, N. Y.
Application November 25, 1944, Serial No. 116,532
Term of patent 3½ years
(Cl. D3—4)



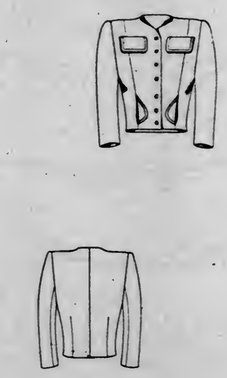
The ornamental design for a jacket, substantially as shown.

139,853
DESIGN FOR A JACKET
Zelma Golden, New York, N. Y.
Application November 25, 1944, Serial No. 116,533
Term of patent 3½ years
(Cl. D3—4)



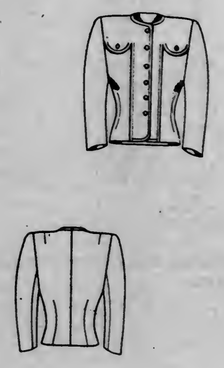
The ornamental design for a jacket, substantially as shown.

139,854
DESIGN FOR A JACKET
Zelma Golden, New York, N. Y.
Application November 25, 1944, Serial No. 116,534
Term of patent 3½ years
(Cl. D3—4)



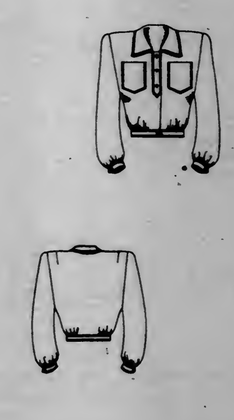
The ornamental design for a jacket, substantially as shown.

139,855
DESIGN FOR A JACKET
Zelma Golden, New York, N. Y.
Application November 25, 1944, Serial No. 116,535
Term of patent 3½ years
(Cl. D3—4)



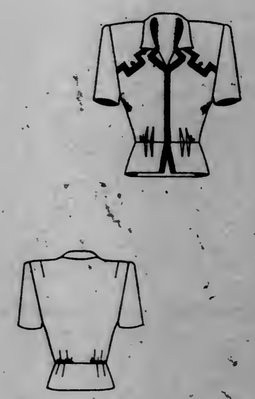
The ornamental design for a jacket, substantially as shown.

139,856
DESIGN FOR A JACKET
Zelma Golden, New York, N. Y.
Application November 25, 1944, Serial No. 116,536
Term of patent 3½ years
(Cl. D3—4)



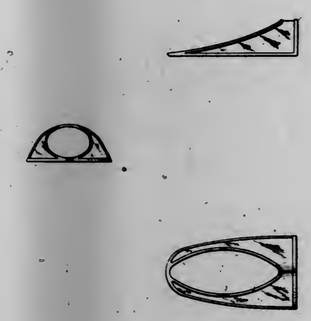
The ornamental design for a jacket, substantially as shown.

139,857
DESIGN FOR A JACKET
Zelma Golden, New York, N. Y.
Application November 25, 1944, Serial No. 116,537
Term of patent 3½ years
(Cl. D3—4)



The ornamental design for a jacket, substantially as shown.

139,858
DESIGN FOR A TRANSPARENT HOOD FOR AIRCRAFT OR SIMILAR ARTICLE
Irving M. Hoglin, Boulder, Colo.
Application June 19, 1944, Serial No. 114,082
Term of patent 7 years
(Cl. D71—1)



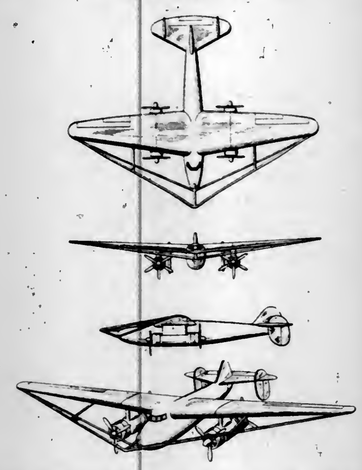
The ornamental design for a transparent hood for aircraft or similar article, as shown.

139,859
DESIGN FOR A CABINET
Ernest J. Kump, Jr., Atherton, Calif.
Application January 25, 1944, Serial No. 112,321
Term of patent 14 years
(Cl. D33—19)



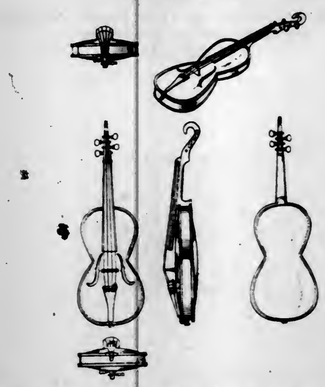
The ornamental design for a cabinet, as shown.

139,860
DESIGN FOR AN AIRPLANE
Othmar F. Maycen, New York, N. Y.
Application October 15, 1942, Serial No. 108,547
Term of patent 14 years
(Cl. D71—1)



The ornamental design for an airplane, substantially as shown.

139,861
DESIGN FOR A VIOLIN OR SIMILAR ARTICLE
Herbert Lee Miller, Wichita, Kans.
Application March 27, 1944, Serial No. 113,051
Term of patent 14 years
(Cl. D56—1)



The ornamental design for a violin or similar article, as shown.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Abbott Laboratories, North Chicago, Ill. Liquid vitamin preparation. Serial No. 474,263; Dec. 26. Class 6.
Adams Bottling Works. (See Adams, Charles.)
Adams, Charles, doing business as Adams Bottling Works, New Kensington, Pa. Non-alcoholic, non-cereal, malt-less beverages and extracts for making the same. Serial No. 475,935; Dec. 26. Class 45.
Adelman, Albert, Detroit, Mich. Packed herring. Serial No. 475,823; Dec. 26. Class 46.
American Healthaids Co. (See Pinkus, Joseph J.)
Ariston, Incorporated, New York, N. Y. Cut flowers. Serial No. 473,630; Dec. 26. Class 1.
Arnold, Everett M., Old Greenwich, Conn. Comic strip. Serial No. 474,941; Dec. 26. Class 38.
Baldomero Landa (Suc.). (See Ocejo, Pedro Ruiz.)
Barricini Inc., Long Island City, N. Y. Candy, candied nuts, candied fruits, etc. Serial Nos. 474,315–16; Dec. 26. Class 46.
Becton, Dickinson & Co., Rutherford, N. J. Hypodermic syringes, hypodermic needles, rubber bulb syringes, and elastic bandages. Serial No. 475,882; Dec. 26. Class 44.
Blousecraft Co. Inc., New York, N. Y. Ladies' and misses' and children's blouses, dresses, dickeys, etc. Serial No. 474,530; Dec. 26. Class 39.
Borgeat, Denis, Montreal, Quebec, Canada. Tooth brushes. Serial No. 475,293; Dec. 26. Class 29.
Brae-Burn Hat Co., New York, N. Y. Ladies' and misses' hats. Serial No. 473,800; Dec. 26. Class 39.
Brody, Benjamin R., Los Angeles, Calif. Ladies' handbags. Serial No. 474,022; Dec. 26. Class 3.
Bunnell Sisters. (See Oregon Waters Fly Co.)
Burt, Harry B., Tulsa, Okla. Stabilizer derived from wheat. Serial Nos. 472,036–7; Dec. 26. Class 46.
Capewell Manufacturing Company, The, Hartford, Conn. Asphalt-based powder. Serial No. 473,362; Dec. 26. Class 16.
Cheim, Harry J., Marysville, Calif. Fresh deciduous fruits. Serial No. 469,246; Dec. 26. Class 46.
Church, C. A., doing business as Rio Grande Product Co., Salinas, Calif. Fresh vegetables. Serial No. 474,784; Dec. 26. Class 46.
Ciro, Incorporated, Detroit, Mich. Cameras. Serial No. 475,646; Dec. 26. Class 26.
Collier, John W. (See Richardson, Sidney W.)
Cosmos Dental Products, Inc., New York, N. Y. Synthetic resin denture base materials. Serial No. 475,726; Dec. 26. Class 44.
Crest Fabrics Corp., New York, N. Y. Textile fabrics in the piece. Serial No. 473,561; Dec. 26. Class 42.
Crest Fabrics Corp., New York, N. Y. Textile fabrics in the piece. Serial No. 473,725; Dec. 26. Class 42.
Davis, May A., Orange, N. J. Dolls. Serial No. 475,044; Dec. 26. Class 22.
Detective Comics, Inc., New York, N. Y. Periodical publications. Serial No. 475,148; Dec. 26. Class 38.
Distilled Liquors Import Co. Inc., New York, N. Y. Brandy. Serial No. 463,810; Dec. 26. Class 49.
Eisendrath, B. D., Tanning Co., Chicago, Ill. Leather. Serial Nos. 474,534–6; Dec. 26. Class 1.
Eisminger, M. M., doing business as Nivram Manufacturing Co., Kansas City, Mo. Surface cleaning compound. Serial No. 475,047; Dec. 26. Class 4.
Electro Alloys Company, The, Elyria, Ohio. Nickel alloy heat and corrosion resistant castings. Serial No. 463,066; Dec. 26. Class 14.
Everfast Fabrics, Inc., New York, N. Y. Textile fabrics. Serial No. 473,059; Dec. 26. Class 42.
Favorite Underwear Co., Inc., New York, N. Y. Infants' underwear. Serial No. 474,792; Dec. 26. Class 39.
Federated Products Company. (See Katz Drug Company.)
Fewel Bros. & Co., Fresno, Calif. Raisins. Serial No. 474,793; Dec. 26. Class 46.
Freezer, J., & Son, Inc., New York, N. Y. Men's and boys' pajamas. Serial No. 475,107; Dec. 26. Class 39.
Gem-Dandy, Inc., Madison, N. C. Neckties. Serial No. 474,694; Dec. 26. Class 39.
George, Tony P., Hyattsville, Md. Medicinal preparation—namely, a laxative. Serial No. 470,760; Dec. 26. Class 6.
George, Tony P., Hyattsville, Md. Medicinal preparations—namely, a compound for the treatment of athlete's foot and a burn ointment. Serial No. 470,761; Dec. 26. Class 6.
Goldenberg, D., Inc., Philadelphia, Pa. Candy. Serial No. 461,654; Dec. 26. Class 46.
Goldinger Fabrics Company, Los Angeles, Calif. Piece goods. Serial No. 472,356; Dec. 26. Class 42.
Green Thumb Gardens, Arcanum, Ohio. Garden gloves. Serial No. 471,524; Dec. 26. Class 39.
Grossman Music Co., Cleveland, Ohio. Toy whistles. Serial No. 475,615; Dec. 26. Class 22.
Guerlain Perfumery Corporation, The, Wilmington, Del., and New York, N. Y. Perfumes and toilet waters. Serial No. 473,375; Dec. 26. Class 6.
Handler, Louis., doing business as Princeton Mfg. Co., New York, N. Y. Curtains. Serial No. 473,908; Dec. 26. Class 42.
Heirloom Needlework Guild, Inc., New York, N. Y. Stamped goods for embroidery. Serial No. 473,282; Dec. 26. Class 40.
Hobe, William W., New York, N. Y. Perfumes, toilet water, eau de colognes, etc. Serial Nos. 473,284–5; Dec. 26. Class 6.
Hoffman, Rube P., Los Angeles, Calif. Piece goods. Serial No. 472,852; Dec. 26. Class 42.
Hollywood-Maxwell Co., Los Angeles, Calif. Brassières. Serial No. 463,459; Dec. 26. Class 39.
Hotel and Restaurant Employees' International Alliance and Bartenders' International League of America, Cincinnati, Ohio. Advertising cards, booklets of the constitution and by-laws, pamphlets, etc. Serial No. 403,045; Dec. 26. Class 38.
Hotel and Restaurant Employees' International Alliance and Bartenders' International League of America, Cincinnati, Ohio. Advertising cards, booklets of the constitution and by-laws, pamphlets, etc. Serial No. 403,047; Dec. 26. Class 38.
Hotel and Restaurant Employees' International Alliance and Bartenders' International League of America, Cincinnati, Ohio. Advertising cards, booklets of the constitution and by-laws, pamphlets, etc. Serial No. 403,049; Dec. 26. Class 38.
Ingram, J. M., Fruit Corporation, Tampa, Fla. Fresh citrus fruits. Serial No. 475,852; Dec. 26. Class 46.
Jetmore Co., The, Olathe, Kans. Creeper garments. Serial No. 474,170; Dec. 26. Class 39.
Kahn, David, Inc., North Bergen, N. J. Fountain pens and mechanical pencils. Serial No. 474,802; Dec. 26. Class 37.
Katz Drug Company, doing business as Federated Products Company, Kansas City, Mo. Medicinal preparation. Serial No. 473,857; Dec. 26. Class 6.
Kelly-Western Seed Co., Salt Lake City, Utah. Fertilizers. Serial No. 473,948; Dec. 26. Class 10.
Klein, Joseph M., New York, N. Y. Men's overcoats and topcoats and suits. Serial No. 474,805; Dec. 26. Class 39.
La Habra Citrus Association, La Habra, Calif. Fresh citrus fruits. Serial No. 447,702; Dec. 26. Class 46.
Lawrence Products Co., Attalla, Ala. Cotton rugs. Serial No. 474,335; Dec. 26. Class 42.
Lawrence Products Co., Attalla, Ala. Cotton rugs. Serial No. 474,337; Dec. 26. Class 42.
Lektrolite Corporation, New York, N. Y. Cigar, cigarette, and pipe lighters, etc. Serial No. 474,339; Dec. 26. Class 34.
Lentheric, Incorporated, New York, N. Y. Toilet, bath and shaving soaps and shaving creams. Serial No. 473,861; Dec. 26. Class 4.
Leon, Victor, Waterbury, Conn. Hair lotions and scalp massage cream. Serial No. 470,203; Dec. 26. Class 6.
Lewis, Ted, Washington, D. C. Sandwiches. Serial No. 471,804; Dec. 26. Class 46.
Liberty & Co., Limited, London, England. Neckties. Serial No. 473,421; Dec. 26. Class 39.
McCoy, Jones & Company, Inc., Chicago, Ill. Narrow elastic webbing. Serial No. 474,596; Dec. 26. Class 40.
McCoy, Jones & Company, Inc., Chicago, Ill. Narrow elastic webbing. Serial No. 474,598; Dec. 26. Class 40.
McCoy, Jones & Company, Inc., Chicago, Ill. Wool yarn. Serial No. 474,599; Dec. 26. Class 43.
Melville Shoe Corporation, New York, N. Y. Yielding heels and heel cushions. Serial No. 474,548; Dec. 26. Class 39.
Michaels, Stern & Company, Incorporated, Rochester, N. Y. Men's suits, topcoats and overcoats. Serial No. 474,040; Dec. 26. Class 39.
Milius, E., & Co., Inc., New York, N. Y. Piece goods. Serial No. 464,140; Dec. 26. Class 42.
Miller Freeman Publications, Seattle, Wash. Magazines. Serial No. 474,723; Dec. 26. Class 38.
Monarch Garment Co., New York, N. Y. Ladies' coats and suits. Serial No. 461,493; Dec. 26. Class 39.
Morris, Stanley, New York, N. Y. Ladies' and misses' dresses, blouses, skirts, etc. Serial No. 473,828; Dec. 26. Class 39.
Motloid Co., Inc., The, Chicago, Ill. Liquid coating material. Serial No. 474,601; Dec. 26. Class 44.
Nadair Parfums, Inc., Los Angeles, Calif. Perfumes. Serial No. 467,297; Dec. 26. Class 6.
National Used Car Market Report, Inc., Chicago, Ill. Periodical publications. Serial No. 467,814; Dec. 26. Class 38.

Nehi Corporation, Columbus, Ga. Nonalcoholic, maltless, non-fruit juice beverage and syrup extract, etc. Serial No. 476,073; Dec. 26. Class 45.

Nivram Manufacturing Co. (See Elsiminger, M. M.)

North American Philips Company, Inc., Dobbs Ferry, N. Y. Electronic tubes. Serial No. 465,449; Dec. 26. Class 21.

Northern Paper Mills, Green Bay, Wis. Toilet paper. Serial No. 474,459; Dec. 26. Class 37.

Northmont Hosiery Corporation, Reading, Pa. Hosiery. Serial No. 474,676; Dec. 26. Class 39.

OCA Medicine Compnay, Inc., The, New York, N. Y. Multiple vitamins and mineral compounds. Serial No. 474,176; Dec. 26. Class 6.

Ocejo, Pedro Ruiz, doing business as Baldomero Landa (Suc.), Udalla, Santander, Spain. Gin. Serial No. 469,820; Dec. 26. Class 49.

Oregon Waters Fly Co., doing business as Bunnell Sisters, Portland, Oreg. Pin ornaments. Serial No. 467,107; Dec. 26. Class 40.

Outboard, Marine & Manufacturing Company, Milwaukee, Wis. Marine propulsion devices. Serial No. 474,206; Dec. 26. Class 23.

Ovis Watch Co. (See Stern, Jack.)

Owens-Illinois Glass Company, Toledo, Ohio. Drinking glasses. Serial No. 473,703; Dec. 26. Class 33.

P. M. Stationery Company. (See Podany, Martin.)

Pacific Enterprise Products Co., Los Angeles, Calif. Unitary automatic electrical starting mechanism and automatic electric operating controllers. Serial No. 463,846; Dec. 26. Class 21.

Packing Products Company, New York, N. Y, Flatware. Serial No. 471,619; Dec. 26. Class 28.

Panate Company, The, Chicago, Ill. Vitamin preparation. Serial No. 474,244; Dec. 26. Class 6.

Parke, Davis & Company, Detroit, Mich. Preparation containing liver extract, Vitamin B and iron. Serial No. 473,673; Dec. 26. Class 6.

Parker Products Corporation, The, Waterbury, Conn. Spring cushion upholstery and furniture foundations. Serial No. 468,123; Dec. 26. Class 32.

Paul, Harold George, New York, N. Y. Women's slips, slackslips, nightgowns, etc. Serial No. 472,399; Dec. 26. Class 39.

Pelaez, Simon Vela, Pinar del Rio, Cuba. Cigars. Serial Nos. 474,351–2; Dec. 26. Class 17.

Philip Morris & Co. Ltd. Incorporated, New York, N. Y. Smoking tobacco. Serial No. 475,265; Dec. 26. Class 17.

Pinkus, Joseph J., doing business as American Healthaids Co., Newark, N. J. Nutritional supplement. Serial No. 474,382; Dec. 26. Class 6.

Pioneer Supply Company. (See Ward, William B.)

Podany, Martin, doing business as P. M. Stationery Company, Minneapolis, Minn. Writing paper and envelopes. Serial No. 473,613; Dec. 26. Class 37.

Princeton Mfg. Co. (See Handler, Louis.)

Quaker Chemical Products Corporation, Conshohocken, Pa. Chemical combinations and oils or mixtures thereof. Serial No. 473,331; Dec. 26. Class 6.

Quaker Chemical Products Corporation, Conshohocken, Pa. Securing agents. Serial No. 475,270; Dec. 26. Class 4.

Rainbow Associates, New York, N. Y. Silk threads. Serial No. 474,819; Dec. 26. Class 43.

Raybestos-Manhattan, Inc., Passaic, N. J. Clutch facing and brake lining. Serial No. 475,733; Dec. 26. Class 35.

Remington Rand Inc., Buffalo, N. Y. Primer in the form of a coating composition. Serial No. 473,075; Dec. 26. Class 6.

Revlon Products Corporation, New York, N. Y. Nail enamel, lipstick, and face powder. Serial No. 463,978; Dec. 26. Class 6.

Richardson, Sidney W., and J. W. Collier, Fort Worth, Tex. Veterinary syringes and ring dose syringes, hypodermic needles, etc. Serial No. 472,340; Dec. 26. Class 44.

Rio Grande Produce Co. (See Church, C. A.)

Roebling's, John A., Sons Company, Trenton, N. J. Wire rope and cable. Serial No. 454,549; Dec. 26. Class 7.

Royale Briar Pipe Company, Inc., New York, N. Y. Tobacco pipes. Serial Nos. 475,220–2; Dec. 26. Class 8.

St. John Associates, Inc., The, New York, N. Y. Printed legal and business forms. Serial No. 453,882; Dec. 26. Class 37.

Sanders, Fred J., doing business as Spray-X Company, Maywood and Chicago, Ill. Preparation for cleaning and polishing glass and similar polished surfaces. Serial No. 474,211; Dec. 26. Class 4.

Schneider, Ethel, doing business as Tovote Company, New York, N. Y. Perfumes and toilet waters. Serial No. 474,463; Dec. 26. Class 6.

Schreter, A., & Sons, Inc., Baltimore, Md. Men's and women's handkerchiefs and mufflers. Serial No. 459,949; Dec. 26. Class 39.

Sheaffer, W. A., Pen Company, Fort Madison, Iowa. Fountain pens and mechanical pencils. Serial No. 474,978; Dec. 26. Class 37.

Sheaffer, W. A., Pen Company, Fort Madison, Iowa. Fountain pens and mechanical pencils. Serial Nos. 474,981–3; Dec. 26. Class 37.

Shoe Covers Corporation, New York, N. Y. Aqueous dispersions of natural or synthetic resins or other plastic compositions. Serial No. 475,133; Dec. 26. Class 1.

Smith, Howard M., doing business as Tube-Lube Company, Chattanooga, Tenn. Powder in the nature of tire talc. Serial No. 474,248; Dec. 26. Class 1.

Sobel, David, doing business as Walk Joy Company or Walk-Joy Co., Boston, Mass. Metatarsal insoles. Serial No. 474,737; Dec. 26. Class 44.

Sprav-X Company. (See Sanders, Fred J.)

Squibb, E. R., & Sons, New York, N. Y. Growth-promoting hormonal preparations. Serial No. 473,920; Dec. 26. Class 6.

Staley Milling Company, North Kansas City, Mo. Hog and pig feed. Serial No. 475,378; Dec. 26. Class 46.

Stern, Arpad, doing business as Arpad, New York, N. Y. Ladies' hats, scarves, snoods, etc. Serial No. 471,287; Dec. 26. Class 39.

Stern, Jack, doing business as Ovis Watch Co., New York, N. Y. Watches. Serial No. 467,257; Dec. 26. Class 27.

Strasenburgh, R. J., Company, Rochester, N. Y. Pharmaceutical preparation. Serial No. 473,839; Dec. 26. Class 6.

Style Art Clothes, Inc., New York, N. Y. Men's suits, topcoats, and overcoats. Serial No. 475,079; Dec. 26. Class 39.

Texas Company, The, New York, N. Y. Lubricating oils. Serial No. 474,216; Dec. 26. Class 15.

Texas Manufacturing Company, Brenham, Tex. Household butcher blocks. Serial No. 469,850; Dec. 26. Class 32.

Thornburg, Wayne, Phoenix, Ariz. Fresh vegetables and fresh melons. Serial No. 461,232; Dec. 26. Class 46.

Timmy Togs Company, Philadelphia, Pa. Boys' wash and cloth suits, boys' blouses, shirts, and pajamas, etc. Serial No. 475,083; Dec. 26. Class 39.

Tovote Company. (See Schneider, Ethel.)

Traub, Lyons, Oppenheim, Inc., New York, N. Y. Piece goods. Serial No. 469,947; Dec. 26. Class 42.

Tube-Lube Company. (See Smith, Howard M.)

Tupper Shoes, Inc., New York, N. Y. Ladies' slippers and shoes. Serial No. 473,922; Dec. 26. Class 39.

United Aircraft Corporation, East Hartford, Conn. Protective coatings for protecting the surfaces of aircraft or other vehicles. Serial No. 466,207; Dec. 26. Class 16.

Vita-Var Corporation, Newark, N. J. Cleaning and polishing preparation. Serial No. 475,086; Dec. 26. Class 4.

Walk Joy Company. (See Sobel, David.)

Ward, William B., doing business as Pioneer Supply Company, Kansas City, Mo. Crayons and chalk. Serial No. 474,685; Dec. 26. Class 37.

Warwick Manufacturing Corporation, Chicago, Ill. Radio receiving sets, electric phonographs and radio and phonograph combinations and parts thereof. Serial No. 474,252; Dec. 26. Class 21.

Wentz, M. C., Los Angeles, Calif. Book covers, book marks, memorandum pads, etc. Serial No. 469,421; Dec. 26. Class 37.

Word-Gin Enterprises, New York, N. Y. Spelling card games. Serial No. 474,367; Dec. 26. Class 22.

LIST OF REGISTRANTS OF TRADE-MARKS

Ace Hardware Mfg. Corp'n., Philadelphia, Pa., by change of name to Ace Manufacturing Corporation. Knife sharpeners. 197,620; renewed Apr. 21, 1945.

Ace Hardware Mfg. Corp'n., Philadelphia, Pa., by change of name to Ace Manufacturing Corporation. Kitchen utensils. 198,148; renewed May 5, 1945.

Ace Manufacturing Corporation. (See Ace Hardware Mfg. Corp'n.)

Air Reduction Company, Incorporated, assignor to Air Reduction Sales Company, New York, N. Y. Oxyacetylene cutting apparatus. 195,813–14; renewed Mar. 3, 1945.

Air Reduction Sales Company. (See Air Reduction Company, Incorporated, assignor.)

Allied Chemical & Dye Corporation. (See National Aniline & Chemical Company, Incorporated.)

Allied Stores Corporation, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash., Dey Brothers & Company, Syracuse, N. Y., and Quackenbush Company, Paterson, N. J. Living room, dining room, bedroom and kitchen furniture, venetian blinds and mattresses. 410,903; Dec. 26; Serial No. 468,935; published Oct. 17, 1944. Class 32.

American Crayon Company, The, Sandusky, Ohio. Adhesive paste. 196,193; renewed Mar. 10, 1945.

American Crayon Company, The, Sandusky, Ohio. Chalk. 196,824; renewed Mar. 31, 1945.

American Crayon Company, The, Sandusky, Ohio. Candles. 196,992; renewed Apr. 7, 1945.

American Crayon Company, The, Sandusky, Ohio. Ink paste. 197,223; renewed Apr. 14, 1945.

American Crayon Company, The, Sandusky, Ohio. Lime nest eggs. 197,697; renewed Apr. 21, 1945.

American Glossite Company, Inc., The, New York, N. Y. Phonograph records. 410,954; Dec. 26; Serial No. 473,205; published Oct. 17, 1944. Class 36.

American Seedless Raisin Company, doing business as Del Itey Packing Company, San Francisco, Fresno, and Del Rey, assignor, by mesne assignments, to American Seedless Raisin Company, San Francisco, Calif. Dried raisins. 198,282; renewed May 12, 1945.

American Viscose Corporation, Wilmington, 99, Del. Yarns, threads, elastic yarns, etc. 410,882; Dec. 26; Serial No. 461,236; published Sept. 12, 1944. Class 43.

Anaconda Copper Mining Company, New York, N. Y. to Anaconda Copper Mining Company, Butte, Mont. Rivets, screws, nails, etc. 194,620–1; renewed Feb. 3, 1945.

Anderson, Harry G., doing business as 4-in-1 Products Co., New York, N. Y. Scalp cream preparation. 410,889; Dec. 26; Serial No. 464,907; published Oct. 10, 1944. Class 6.

Antell, Joseph, Brookline, Mass. Shoes. 410,981; Dec. 26. Class 39.

Argus, Incorporated, Ann Arbor, Mich. Adhesive optical cement and a catalyst. 410,930; Dec. 26; Serial No. 472,135; published Oct. 17, 1944. Class 5.

Armstrong Cork Company, Pittsburgh, to Armstrong Cork Company, Lancaster, Pa. Felt-base floor coverings. 196,378; renewed Mar. 17, 1945.

Automatic Electric Company, assignor to Automatic Electric Company, Chicago, Ill. Automatic telephone systems. 196,366; renewed Mar. 17, 1945.

Barclay & Co., assignor to Lanman & Kemp-Barclay & Co. Incorporated, New York, N. Y. Soap. 197,284; renewed Apr. 14, 1945.

Bartmann & Bixer, Inc., New York, N. Y. Window curtains. 410,958; Dec. 26. Class 42.

Beaunit Mills, Inc., New York, N. Y. Yarns. 410,929; Dec. 26; Serial No. 471,848; published Oct. 3, 1944. Class 43.

Becton, Dickinson & Co., Rutherford, N. J. Clinical thermometers and dental water syringes. 410,998; Dec. 26. Class 44.

Becton, Dickinson & Co., Rutherford, N. J. Clinical thermometers. 410,999; Dec. 26. Class 44.

Bedell Company, The, assignor to Bedell Stores, Inc., New York, N. Y. Hosiery. 180,996; renewed Mar. 11, 1944.

Bedell Stores, Inc. (See Bedell Company, The, assignor.)

Berry Chemical & Manufacturing Co. (See Holbrook, Glynn.)

Bertram, Ellen M., Ottawa, Ontario, Canada. Automatic electrically controlled clocks. 410,907; Dec. 26; Serial No. 469,828; published Oct. 17, 1944. Class 27.

Bon Marche, The. (See Allied Stores Corporation.)

Boott Mills, Lowell, Mass. Piece goods. 410,970; Dec. 26. Class 42.

Borden Company, The. (See Hendler Creamery Company, The, assignor.)

Brand & Oppenheimer, Incorporated, New York, N. Y. Piece goods. 410,985; Dec. 26. Class 42.

Brister, C. W., & Son, Auburn, N. Y. Wheat flour. 188,516; renewed Aug. 26, 1944.

Brooke, Meera, Frocks. (See Brooke, Meera, Frocks, Inc., assignor.)

Brooke, Meera, Frocks, Inc., assignor to Meera Brooke Frocks, New York, N. Y. Women's and misses' dresses. 410,966; Dec. 26. Class 39.

Buffalo Chandelier Corporation, Buffalo, N. Y., by change of name to Markel Electric Products Inc. Glass illuminating bowls. 196,918; renewed Mar. 31, 1945.

Burson Knitting Company, Rockford, Ill. Hosiery. 198,256; renewed May 12, 1945.

Candymasters Incorporated, Minneapolis, Minn. Candy bars. 410,969; Dec. 26. Class 46.

Century Radio Company, Inc., Philadelphia, Pa. Electronic tubes. 410,932; Dec. 26; Serial No. 471,998; published Oct. 17, 1944. Class 21.

Cities Service Oil Company. (See Quinn, Geo. W., assignor.)

Club Aluminum Products Co., Chicago, Ill. Miniature bowling game apparatus. 410,960; Dec. 26. Class 22.

Cohen, David I., doing business as Sho-Form Brassiere Company, Los Angeles, Calif. Brassieres. 410,982; Dec. 26. Class 39.

Colgate-Palmolive-Peet Company, Jersey City, N. J. Deodorants in cream and powder form. 410,884; Dec. 26; Serial No. 462,903; published Oct. 10, 1944. Class 6.

Colorado Laboratories, Incorporated, Denver, Colo. Hygienic powder. 410,921; Dec. 26; Serial No. 471,302; published Oct. 10, 1944. Class 6.

Cordley & Hayes, New York, N. Y. Water coolers. 410,971; Dec. 26. Class 31.

Cordo-Hyde Company, assignor to Cordo-Hyde Company, Brockton, Mass. Shoe laces. 198,295; renewed May 12, 1945.

Cullen-Friestedt Company, Chicago, Ill. Derricks and traveling cranes. 198,349; renewed May 12, 1945.

Curran, Edward J., New York, N. Y. Grease preparation. 410,973; Dec. 26. Class 15.

Curtis Engineering Company, Upper Darby, Pa. Micrometers. 410,955; Dec. 26; Serial No. 473,276; published Oct. 17, 1944. Class 26.

Darling Valve & Manufacturing Company, Williamsport, Pa. Metal box strapping. 410,910; Dec. 26; Serial No. 470,138; published Oct. 17, 1944. Class 13.

Del Rey Packing Company. (See American Seedless Raisin Company.)

Dey Brothers & Company. (See Allied Stores Corporation.)

Ditto, Incorporated, Chicago, Ill. Duplicating machines. 197,480; renewed Apr. 21, 1945.

Diversey Corporation, The, Chicago, Ill. Alkaline cleansing compound in powdered form. 410,883; Dec. 26; Serial No. 462,278; published Oct. 3, 1944. Class 4.

Dixon, Joseph, Crucible Company, Jersey City, N. J. Graphite. 410,948; Dec. 26; Serial No. 472,802; published Oct. 17, 1944. Class 1.

Dixon, Joseph, Crucible Company, Jersey City, N. J. Silica graphite paint, floor paint and machinery enamel. 410,949; Dec. 26; Serial No. 472,804; published Oct. 10, 1944. Class 16.

Dow, Louis F., Company, to Louis F. Dow Company, St. Paul, Minn., successor. Pencils. 184,930; renewed June 3, 1944.

Dubuque Packing Company, Dubuque, Iowa. Meat products. 410,975; Dec. 26. Class 46.

Du Pont, E. I., de Nemours and Company. (See Flint Varnish & Color Works, assignor.)

Durkee Marine Products Corporation, Grasmere, Staten Island, N. Y. Sea anchors, gasoline and oil filler caps, sheet blocks, etc. 410,914; Dec. 26; Serial No. 470,562; published Oct. 17, 1944. Class 19.

Durkee Marine Products Corporation, Grasmere, Staten Island, N. Y. Combination ventilators and desk plates, hood ventilators, porthole air scoops, marine lamps. 410,915; Dec. 26; Serial No. 470,566; published Oct. 17, 1944. Class 34.

Eagle-Picher Lead Company, The, Cincinnati, Ohio. Basic lead sulphate. 197,345; renewed Apr. 14, 1945.

Eagle-Picher Lead Company, Cincinnati, Ohio. Basic lead sulphate. 198,268; renewed May 12, 1945.

Eastman Kodak Company, assignor to Eastman Kodak Company, Rochester, N. Y. Photographic shutters. 194,302; renewed Jan. 20, 1945.

Egyptian Lacquer Manufacturing Company, The, New York, N. Y. Lacquers. 410,898; Dec. 26; Serial No. 467,938; published June 13, 1944. Class 16.

Endo Products Inc., New York, N. Y. Tonic preparation for anemia, chlorosis, and neurasthenia. 410,934; Dec. 26; Serial No. 472,105; published Oct. 10, 1944. Class 6.

Ettelbrick Shoe Company, Greenup, Ill. Shoes. 410,964; Dec. 26. Class 39.

Eutectic Welding Alloys Company. (See Wasserman, Rene D.)

Fairbanks, Morse & Co., Chicago, Ill. Electric generators, electric motors, domestic lighting plants, and magnetos. 410,887; Dec. 26; Serial No. 463,748; published Oct. 17, 1944. Class 21.

Federal Composition & Paint Company, Inc., The, New York, N. Y., by change of name to The Federal Paint Company, Inc. Ready-mixed marine paints, ready-mixed paints, etc. 197,323; renewed Apr. 14, 1945.

Federal Paint Company, Inc., The. (See Federal Composition & Paint Company, Inc., The.)

Fillice & Perrelli Canning Company, Incorporated, Richmond, Calif. Canned fruits and vegetables. 410,977; Dec. 26. Class 46.

Fillice & Perrelli Canning Company, Incorporated, Richmond, Calif. Canned fruits. 410,979; Dec. 26. Class 46.

Flint Varnish & Color Works, Flint, Mich., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Paint enamels, body colors, primers, etc. 192,548; renewed Dec. 9, 1944.

Flintkote Company, The. (See Pioneer Paper Company, assignor.)

4-in-1 Products Co. (See Anderson, Harry G.)

Fritz, Edward B., to Fritz Publications, Inc., Chicago, Ill., successor. Annual catalogue. 195,188; renewed Feb. 17, 1945.

Fritz Publications, Inc. (See Fritz, Edward B.)

Fritzsche Brothers, Inc., New York, N. Y. Oil of ylang-ylang. 198,126; renewed May 5, 1945.

Fuld Bros., Baltimore, Md. Waxes. 410,930; Dec. 26; Serial No. 471,871; published Oct. 3, 1944. Class 16.

Gage Brothers and Company, Chicago, Ill. Misses' and girls' hats. 410,962; Dec. 26. Class 39.

Galen Company, Berkeley, Calif. Injectable solution containing Vitamin B factors. 410,900; Dec. 26; Serial No. 468,114; published Oct. 10, 1944. Class 6.

Galland, Sydney, New York, N. Y. Ladies' hats. 410,990; Dec. 26. Class 39.

Gallia Laboratories, Inc., New York, N. Y. Compound used in the particular treatment of arthritic and rheumatoid conditions. 410,892; Dec. 26; Serial No. 466,787; published Oct. 10, 1944. Class 6.

Garrett, R. J., Jr. Manufacturing Company, Inc. (See Garrett, Robert J., Jr., assignor.)

Garrett, Robert J., Jr., assignor to R. J. Garrett Jr. Manufacturing Company, Inc., Jackson, Miss. Hair growers. 198,102; renewed May 5, 1945.

Gay Brothers Company, Cavendish, Vt. Woolen fabrics in the piece. 410,992; Dec. 26. Class 42.
General Dyestuff Corporation, New York, N. Y. Copper compounds for mildew-proofing. 410,941; Dec. 26; Serial No. 472,322; published Oct. 10, 1944. Class 6.
General Mills, Inc. (See Ginter, Matthew J., assignor.)
General Mills, Inc. (See Red Star Milling Company, assignor.)
Gilbert & Bennett Mfg. Co., The, Georgetown, Conn. Screen wire. 410,911; Dec. 26; Serial No. 470,262; published Oct. 17, 1944. Class 13.
Ginter, Matthew J., assignor, by mesne assignments, to General Mills, Inc., Minneapolis, Minn. Food products. 192,719; renewed Dec. 9, 1944.
Gob Sales Co. (See Young, Henry.)
Goldsmith, Hess, & Co. Inc., New York, N. Y. Textile fabrics in the piece. 410,917; Dec. 26; Serial No. 471,213; published Oct. 3, 1944. Class 42.
Goldsmith, Hess, & Co. Inc., New York, N. Y. Textile fabrics in the piece. 410,918; Dec. 26; Serial No. 471,215; published Oct. 3, 1944. Class 42.
Gotham Knitting Mills, Inc., New York, N. Y. Knitted sweaters. 410,991; Dec. 26. Class 39.
Greenaway, Kate, Designs. (See Neff, Grace.)
Hamburger, Hugo, New York, N. Y. Ladies' blouses. 410,995; Dec. 26. Class 39.
Hatty's Hat Company. (See Hatty's Hat Co.)
Hatty's Hat Co., to Hatty's Hat Company, New York, N. Y. Ladies' hats. 196,865; renewed Mar. 31, 1945.
Hendler Creamery Company, The, Baltimore, Md., assignor, by mesne assignments, to The Borden Company, New York, N. Y. Ice cream. 196,479; renewed Mar. 17, 1945.
Hercules Company, doing business as Hose Accessories Co., Philadelphia, Pa. Hose couplings, hose clamps, and nipples. 410,902; Dec. 26; Serial No. 468,514; published Oct. 17, 1944. Class 13.
Hickey-Freeman Company, Rochester, N. Y. Men's suits. 195,449; renewed Feb. 24, 1945.
Hickey-Freeman Company, Rochester, N. Y. Men's suits. 196,362; renewed Mar. 17, 1945.
Hodgman Rubber Company. (See Strauss, Archer, Rubber Company.)
Holbrook, Glynn, doing business as Berry Chemical & Manufacturing Co., Chicago, Ill. Cleaning compound. 410,951; Dec. 26; Serial No. 472,951; published Oct. 3, 1944. Class 4.
Hoover Products, Inc., Youngstown, Ohio. Toy rattles. 410,993; Dec. 26. Class 22.
Hose Accessories Co. (See Hercules Company.)
Hufnagel, Edward H., doing business as Norma Chemical Company, Mount Vernon, N. Y. Polish and cleaners and the like. 410,880; Dec. 26; Serial No. 457,705; published June 1, 1943. Class 4.
Ily-Dry Food Products, Inc., Centura, Wis., and Chicago, Ill. Dehydrated rutabagas. 410,959; Dec. 26. Class 46.
Hynson, Westcott & Dunning, assignor to Hynson, Westcott & Dunning, Incorporated, Baltimore, Md. Antiseptics, germicides, and bactericides. 197,189; renewed Apr. 14, 1945.
Hynson, Westcott & Dunning, Incorporated. (See Hynson, Westcott & Dunning, assignor.)
Illinois Bronze Powder Co., Chicago, Ill. Silver and gold ink varnish, silver ink paste, and silver ink. 410,952; Dec. 26; Serial No. 472,952; published Oct. 3, 1944. Class 11.
Imperial Chemical (Pharmaceuticals) Limited, Slough, Buckinghamshire, England. Chemical substances for use as antiseptics, bactericides, antimalarials, etc. 410,885; Dec. 26; Serial No. 463,201; published Oct. 10, 1944. Class 6.

Johnston Fruit Company, Santa Barbara, Calif. Fresh citrous fruits. 198,261; renewed May 12, 1945.
Joyce-Koebel Diamond Company, Inc., assignor, by mesne assignments, to J. K. Smit & Sons, Inc., New York, N. Y. Diamond-pointed tools. 194,996; renewed Feb. 17, 1945.
Joyce-Koebel Diamond Company, Inc., assignor, by mesne assignments, to J. K. Smit & Sons, Inc., New York, N. Y. Gauges for diamond-pointed tools. 194,997; renewed Feb. 17, 1945.
Kjellander, Arvid N., Norwalk, Conn. Liniments. 197,552; renewed Apr. 21, 1945.
Knothe Brothers Co. Inc., New York, N. Y. Pajamas, robes, shorts and underwear. 410,989; Dec. 26. Class 39.
Kono Manufacturing Company, The, Woodside, N. Y. Eyeglass and spectacle frames and parts therefor. 410,920; Dec. 26; Serial No. 471,261; published Oct. 17, 1944. Class 26.
Kurfees, J. F., Paint Company, Incorporated, Louisville, Ky. Bronze and enamel paint. 196,174; renewed Mar. 10, 1945.
Kurfees, J. F., Paint Company, Incorporated, Louisville, Ky. Prepared liquid paint. 196,881; renewed Mar. 31, 1945.
Lace Net Importing Co., Inc., New York, N. Y. Net fabrics in the piece. 410,972; Dec. 26. Class 42.
Lakhovsky, Serge J. J., New York, N. Y. Perfume. 410,928; Dec. 26; Serial No. 471,835; published Oct. 10, 1944. Class 6.

Land O'Lakes Creameries, Inc. (See Minnesota Co-Operative Creameries Association, Inc., assignor.)
Lane Tobacco, Ltd., New York, N. Y. Pipes, pipe cases, pipe stands, etc. 410,904; Dec. 26; Serial No. 469,083; published Oct. 17, 1944. Class 8.
Lanman & Kemp-Barclay & Co. Incorporated. (See Barclay & Co., assignor.)
Lederle Laboratories, Inc., New York, N. Y. Pollen antigens. 410,919; Dec. 26; Serial No. 471,220; published Oct. 10, 1944. Class 6.
Lehn & Fink Products Corporation, Bloomfield, N. J. Antiseptic and disinfectant preparation. 410,899; Dec. 26; Serial No. 468,081; published Oct. 10, 1944. Class 6.
Leichter, Emil, New York, N. Y. Watches. 410,950; Dec. 26; Serial No. 472,874; published Oct. 17, 1944. Class 27.
Lentheric, Incorporated, New York, N. Y. Perfumes, toilet waters, cosmetic creams, and make-up. 410,931; Dec. 26; Serial No. 471,920; published Oct. 10, 1944. Class 6.
Lewis, Ted, Washington, D. C. Sandwiches. 411,000; Dec. 26. Class 46.
Littell, C. S., & Co., Inc., to McKesson & Robbins, Incorporated, New York, N. Y., successor. Headache pills. 197,505; renewed Apr. 21, 1945.
Lobeto y Compania, S. en C., Habana, Cuba. Cigars. 410,912; Dec. 26; Serial No. 470,342; published Oct. 17, 1944. Class 17.
Macy, R. H., & Co., Inc., New York, N. Y. Ammonia. 194,869; renewed Feb. 10, 1945.
Macy, R. H., & Co., Inc., New York, N. Y. Women's and misses' dresses. 195,051; renewed Feb. 17, 1945.
Main Belting Company, Philadelphia, Pa. Machinery-belt dressing. 193,908; renewed Jan. 13, 1945.
Mallinson Fabrics Corporation, New York, N. Y. Piece goods. 410,906; Dec. 26; Serial No. 469,638; published Sept. 26, 1944. Class 42.
Marchitto, Elia, doing business as Elia Marchitto Co., Waterbury, Conn. Hair tonic. 410,935; Dec. 26; Serial No. 472,115; published Oct. 10, 1944. Class 6.
Marchitto, Elia, Co. (See Marchitto, Elia.)
Markel Electric Products Inc. (See Buffalo Chandelier Corporation.)
McKesson & Robbins, Incorporated. (See Littell, C. S., & Co., Inc.)
Meador and Young, Incorporated, Nashville, Tenn. Coal. 192,964; renewed Dec. 16, 1944.
Menon, Michael, Pittsburgh, Pa. Fabric back rubbing strap. 410,965; Dec. 26. Class 44.
Merck & Co., Inc. (See Merck, E., assignor.)
Merck, E., Darmstadt, Germany, assignor to Merck & Co., Inc., Rahway, N. J. Preparation for the extermination of ectoparasites. 192,529; renewed Dec. 9, 1944.
Meyer, Robert F., Kansas City, Mo. Outboard motor boats, sail boats, row boats, etc. 410,987; Dec. 26. Class 19.
Miller, Milo F., Kansas City, Mo. Manually operable percussion type chimes. 410,978; Dec. 26. Class 36.
Minnesota Co-Operative Creameries Association, Inc., St. Paul and Minneapolis, assignor to Land O'Lakes Creameries, Inc., Minneapolis, Minn. Butter, dressed poultry, cheese, eggs. 197,022; renewed Apr. 7, 1945.
Mueller Baking Co., Bowling Green, to Mueller Baking Co., Springfield, Mo. Bread. 191,626; renewed Nov. 11, 1944.
Nash, Daniel J., doing business as Nash Manufacturing Co., Jersey City, N. J. Wallets, key cases, purses, etc. 410,996; Dec. 26. Class 3.
Nash Manufacturing Co. (See Nash, Daniel J.)
National Aniline & Chemical Company, Incorporated, by merger to Allied Chemical & Dye Corporation, New York, N. Y. Certified food colors. 194,837; renewed Feb. 10, 1945.
National Aniline & Chemical Company, by merger to Allied Chemical & Dye Corporation, New York, N. Y. Dyes, dye-stuffs, and colors. 195,765; renewed Mar. 3, 1945.
National Ribbon Corporation, New York, N. Y. Ribbons. 410,994; Dec. 26. Class 42.
Neff, Grace, doing business as Kate Greenaway Designs, New York, N. Y. Towels, table cloth sets, scarfs or runners, etc. 410,957; Dec. 26. Class 42.
New York Quinine and Chemical Works, Inc., The, New York, assignor to The New York Quinine and Chemical Works, Inc., Brooklyn, N. Y. Synthetic menthol. 197,516; renewed Apr. 21, 1945.
Norma Chemical Company. (See Hufnagel, Edward H.)
North Dakota Mill and Elevator Association, doing business as State Mill and Elevator, Grand Forks, N. Dak. Wheat products. 193,246; renewed Dec. 23, 1944.
North Dakota Mill and Elevator Association, doing business as State Mill and Elevator, Grand Forks, N. Dak. Granular wheat flour. 194,010; renewed Jan. 13, 1945.
Northrup, King & Co., Minneapolis, Minn. Alfalfa seed. 410,980; Dec. 26. Class 1.
Novelty Veiling Co., New York, N. Y. Ladies' neck scarfs. 410,988; Dec. 26. Class 39.
O-Cedar Corp'n, Chicago, Ill. Floor mops. 410,956; Dec. 26. Class 29.
Osmose Wood Preserving Co. of America, Inc., Buffalo, N. Y. Wood preservatives. 410,913; Dec. 26; Serial No. 470,383; published Oct. 10, 1944. Class 6.

Parker Pen Company, Janesville, Wis. Pens and pencils. 191,306; renewed Nov. 4, 1944.
Parker Pen Company, The, Janesville, Wis. Fountain pens and mechanical pencils. 410,946; Dec. 26; Serial No. 472,650; published Oct. 17, 1944. Class 37.
Parker Pen Company, The, Janesville, Wis. Fountain pens and mechanical pencils. 410,947; Dec. 26; Serial No. 472,693; published Oct. 17, 1944. Class 37.
Penny, J. C., Company, Salt Lake City, Utah, and New York, assignor to J. C. Penney Company, New York, N. Y. Bleached muslin. 195,576; renewed Feb. 24, 1945.
Physicians & Hospitals Supply Company, Inc., doing business as Ulmer Pharmacal Company, Minneapolis, Minn. Medical preparation—namely, a refreshing massage. 410,936; Dec. 26; Serial No. 472,121; published Oct. 10, 1944. Class 6.
Physicians & Hospitals Supply Company, Inc., doing business as Ulmer Pharmacal Company, Minneapolis, Minn. Medical preparation—namely, capsules of mixed natural tocopherols. 410,937; Dec. 26; Serial No. 472,122; published Oct. 10, 1944. Class 6.
Pioneer Paper Company, Los Angeles, Calif., assignor to The Flintkote Company, New York, N. Y. Composition ready or prepared roofing. 194,210; renewed Jan. 20, 1945.
Pioneer Paper Company, Los Angeles, Calif., assignor to The Flintkote Company, New York, N. Y. Asphalt saturated and coated reinforcing felt, etc. 194,211; renewed Jan. 20, 1945.
Plastic Manufacturing, Incorporated, Stamford, Conn. Plastic pulleys, fairleaders, and housings. 410,886; Dec. 26; Serial No. 463,235; published Oct. 17, 1944. Class 19.
Quackenbush Company. (See Allied Stores Corporation.)
Quaker Oats Company, The, Chicago, Ill. Specially milled oat flour product. 410,897; Dec. 26; Serial No. 467,737; published Oct. 17, 1944. Class 46.
Quinn, Geo. W., doing business as Troyolene Oil Company, San Francisco, Calif., assignor, by mesne assignments, to Cities Service Oil Company, Bartlesville, Okla. Gasoline and motor lubricating oils. 192,993; renewed Dec. 16, 1944.
Rand Rubber Company, Brooklyn, N. Y. Baby pants. 410,983; Dec. 26. Class 39.
Rand Rubber Company, Brooklyn, N. Y. Crib sheets and water proof sheeting. 410,984; Dec. 26. Class 42.
Rawnsley, S. H. Limited, Bradford, Yorkshire, England. Piece goods of wool, worsted, hair, cotton, etc. 410,893; Dec. 26; Serial No. 466,805; published Oct. 10, 1944. Class 42.
Redlands Foothill Groves, Redlands, Calif. Fresh citrous fruit. 198,310; renewed May 12, 1945.
Red Star Milling Company, Wichita, Kans., assignor to General Mills, Inc., Minneapolis, Minn. Wheat flour, self-rising pancake flour, wheat meal, etc. 196,640; renewed Mar. 24, 1945.
Resinous Products & Chemical Company, The, Philadelphia, Pa. Paint pastes and metallic organic compounds useful as driers in oils, varnishes, enamels, etc.; plasticizers. 410,890; Dec. 26; Serial No. 466,546; published Oct. 10, 1944. Class 16.
Resistal, Inc., Chicago, Ill. Compound designed for use as a cleaner. 410,953; Dec. 26; Serial No. 473,037; published Oct. 10, 1944. Class 4.
Riverside & Dan River Cotton Mills, Inc., Danville, Va., and New York, N. Y. Cotton piece goods. 410,961; Dec. 26. Class 42.
Roche-Organon, Inc., Nutley, N. J. Estrogenic preparations. 410,923–4; Dec. 26; Serial Nos. 471,571–2; published Oct. 10, 1944. Class 6.
Roth Fabrics Corporation, New York, N. Y. Rayon fabrics in the piece. 410,967; Dec. 26. Class 42.
Royal, Thomas M., & Company, Philadelphia, Pa. Paper bags. 410,974; Dec. 26. Class 2.
Rudman & Scofield. (See Scofield, C. K.)
Rudman, & Scofield, Inc. (See Scofield, C. K., assignor.)
Rutger Fabrics Corp., New York, N. Y. Cotton, wool and rayon piece goods. 410,976; Dec. 26. Class 42.
S/A Products Company, The, Glendale, Calif. Styptic sticks. 410,888; Dec. 26; Serial No. 463,891; published Dec. 7, 1943. Class 6.
S. P. F. of America, Inc., New York, N. Y. Perfume. 410,908; Dec. 26; Serial No. 470,042; published Oct. 10, 1944. Class 6.
Schering & Glantz, Inc., New York, N. Y. Surgical apparatus. 410,896; Dec. 26; Serial No. 467,573; published Oct. 17, 1944. Class 44.
Schmidt, H. H., Glove Co., Inc., New York, N. Y. Gloves. 410,963; Dec. 26. Class 39.
Schultz, Baujan and Company. (See Schultz, Baujan & Company.)
Schultz, Baujan & Company, to Schultz, Baujan and Company, Beardstown, Ill., successor. Wheat flour. 196,306; renewed Mar. 17, 1945.
Scofield, C. K., doing business as Rudman & Scofield, assignor to Rudman & Scofield, Inc., New York, N. Y. Tin coffee boilers and coffee urns. 191,976; renewed Nov. 25, 1944.
Sears, Roebuck and Co., Chicago, Ill. Seed corn. 410,944; Dec. 26; Serial No. 472,406; published Oct. 17, 1944. Class 1.

Sequoia Foothill Fruit Growers, Woodlake, Calif. Fresh grapes. 191,759; renewed Nov. 18, 1944.
Servel, Inc., Evansville, Ind. Switches, that are both manually and thermostatically operated. 410,938; Dec. 26; Serial No. 472,125; published Oct. 17, 1944. Class 26.
Shane & Hays, to Shane & Hays, Inc., Brooklyn, N. Y. Brushes, dry mops, dish mops, etc. 191,751; renewed Nov. 18, 1944.
Shane & Hays, Inc. (See Shane & Hays.)
Sho-Form Brassière Company. (See Cohen, David I.)
Shoner, Robert N., Fort Wayne, Ind. Seal leakage indicators for canned goods. 410,942; Dec. 26; Serial No. 472,341; published Oct. 17, 1944. Class 26.
Siegel, Jacob, Company, Philadelphia, Pa. Men's and boys' topcoats and overcoats. 410,986; Dec. 26. Class 39.
Slimo Chemical Corporation, Vineland, N. J. Vitamin-containing feed supplement for poultry and livestock. 410,943; Dec. 26; Serial No. 472,368; published Oct. 17, 1944. Class 46.
Smit, J. K., & Sons, Inc. (See Joyce-Koebel Diamond Company, Inc., assignor.)
Solvay Process Company, The, Solvay, to The Solvay Process Company, New York, N. Y. Cleansing and washing compounds. 193,830; renewed Jan. 6, 1945.
Standard Oil Company of California. (See Standard Oil Company, assignor.)
Standard Oil Company, San Francisco, Calif., assignor to Standard Oil Company of California, Wilmington, Del., and San Francisco, Calif. Motor lubricating oils. 196,118; renewed Mar. 10, 1945.
State Mill and Elevator. (See North Dakota Mill and Elevator Association.)
Stein, Joseph, Coat Co. (See Stein, Joseph.)
Stein, Joseph, doing business as Joseph Stein Coat Co., New York, N. Y. Ladies', misses', and junior misses' coats, suits, skirts and jackets. 410,968; Dec. 26. Class 39.
Stifel, J. L., & Sons, Wheeling, W. Va., by change of name to J. L. Stifel & Sons, Inc. Overalls, dresses, and men's dress and negligee shirts. 198,326; renewed May 12, 1945.
Stifel, J. L., & Sons, Inc. (See Stifel, J. L., & Sons.)
Strauss, Archer, Rubber Company, Farmingham, Mass., by change of name to Hodgman Rubber Company. Rubberized textile fabrics. 197,881; renewed Apr. 28, 1945.
Tanner, Albert L., doing business as Tire Service Center, Santa Cruz, Calif. Re-capped pneumatic tires. 410,945; Dec. 26; Serial No. 472,438; published Oct. 17, 1944. Class 35.
Tire Service Center. (See Tanner, Albert L.)
Travelodge Corporation, The, Lynchburg, Va. Prefabricated knockdown buildings. 410,881; Dec. 26; Serial No. 458,769; published Oct. 17, 1944. Class 12.
Tremco Manufacturing Company, The, Cleveland, Ohio. Protective liquid coatings for metal, masonry and other surfaces. 410,891; Dec. 26; Serial No. 466,558; published Oct. 17, 1944. Class 12.
Tremco Manufacturing Company, The, Cleveland, Ohio. Mastic cement. 410,901; Dec. 26; Serial No. 469,175; published Oct. 17, 1944. Class 12.
Troyolene Oil Company. (See Quinn, Geo. W.)
Tubular Micrometer Company, The, St. James, Minn. Micrometers. 410,927; Dec. 26; Serial No. 471,823; published Oct. 17, 1944. Class 26.
Turner & Seymour Mfg. Co., The, Torrington, Conn. Lead-melting pots, hand ladles, and molds. 192,305; renewed Dec. 2, 1944.
Ulmer Pharmacal Company. (See Physicians & Hospitals supply Company, Inc.)
Vacuum Cleaner Corporation of America, The. Philadelphia, Pa. Electric cord take-up reels. 410,926; Dec. 26; Serial No. 471,769; published Oct. 17, 1944. Class 21.
Valcort Hosiery Corporation, New York, N. Y. Knitted goods in the piece of rayon yarn. 410,909; Dec. 26; Serial No. 470,052; published Oct. 10, 1944. Class 42.
Vanderbilt, R. T., Company, Inc., New York, N. Y. Rubber accelerator. 410,940; Dec. 26; Serial No. 472,167; published Oct. 10, 1944. Class 6.
Vita-Var Corporation, Newark, N. J. Ready mixed paint, paint enamel and varnish. 410,933; Dec. 26; Serial No. 472,092; published Oct. 17, 1944. Class 16.
Vitner, C. J., doing business as C. J. Vitner & Co., Chicago, Ill. Potato chips. 410,997; Dec. 26. Class 46.
Vitner, C. J., & Co. (See Vitner, C. J.)
Wasserman, Rene D., doing business as Eutectic Welding Alloys Company, New York, N. Y. Chemical flux composition. 410,922; Dec. 26; Serial No. 471,464; published Oct. 10, 1944. Class 6.
Williams, R. C., & Company, Inc., New York, N. Y. Canned vegetables, fruits, clams, meat products, etc. 410,879; Dec. 26; Serial No. 453,653; published Oct. 17, 1944. Class 46.
Wilson & Co., Inc. (See Wilson & Co., Inc., of California.)
Wilson & Co., Inc. (See Wilson Laboratories.)
Wilson & Co., Inc., of California, Chicago, Ill., and Los Angeles, Calif., to Wilson & Co., Inc., Chicago, Ill., successor. Oleomargarine. 192,795; renewed Dec. 9, 1944.
Wilson Laboratories, to Wilson & Co., Inc., Chicago, Ill. Preparation to be used in the treatment of secondary anaemia. 192,114; renewed Nov. 25, 1944.

Winthrop's Vacuum Cleaner Corp., Paterson, N. J. Electric vacuum cleaners and attachments therefor. 410,905; Dec. 26; Serial No. 469,483; published June 27, 1944. Class 21.
Wirth, Dorsey M., Bucyrus, Ohio. Garment-supporting-belt buckles. 194,991; renewed Feb. 17, 1945.
Wood, Elliott F., Hilo, Hawaii. Bamboo flower vases. 410,895; Dec. 26; Serial No. 466,937; published Oct. 17, 1944. Class 2.
Wrigley, Wm., Jr. Company, assignor to Wm. Wrigley Jr. Company, Chicago, Ill. Chewing gum. 192,523; renewed Dec. 9, 1944.
Young, Henry, doing business as Gob Sales Co., Spokane, Wash. Clothing cleaner. 410,916; Dec. 26; Serial No. 470,592; published Oct. 3, 1944. Class 4.
Zenith Radio Corporation, Chicago, Ill. Radio receiving sets and parts thereof. 410,894; Dec. 26; Serial No. 466,965; published Oct. 17, 1944. Class 21.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. Meador and Young, Incorporated. 192,964; renewed Dec. 16, 1944.
Graphite. Joseph Dixon Crucible Company. 410,948; Dec. 26; Serial No. 472,802; published Oct. 17, 1944.
Seed, Alfalfa. Northrup, King & Co. 410,980; Dec. 26.
Seed corn. Sears, Roebuck and Co. 410,944; Dec. 26. Serial No. 472,406; published Oct. 17, 1944.

CLASS 2

Bags, Paper. Thomas M. Royal & Company. 410,974; Dec. 26.
Vases, Bamboo flower. E. F. Wood. 410,895; Dec. 26; Serial No. 466,937; published Oct. 17, 1944.

CLASS 3

Wallets, key cases, purses, etc. D. J. Nash. 410,996; Dec. 26.

CLASS 4

Alkaline cleansing compound in powdered form. Diversey Corporation. 410,883; Dec. 26; Serial No. 462,278; published Oct. 3, 1944.
Cleaner, Clothing. H. Young. 410,916; Dec. 26; Serial No. 470,592; published Oct. 3, 1944.
Cleaning compound. G. Holbrook. 410,951; Dec. 26; Serial No. 472,951; published Oct. 3, 1944.
Cleansing and washing compounds. Solvay Process Company. 193,830; renewed Jan. 6, 1945.
Compound designed for use as a cleaner. Resistal, Inc. 410,953; Dec. 26; Serial No. 473,037; published Oct. 10, 1944.
Dressing, Machinery-belt. Main Belting Company. 193,908; renewed Jan. 13, 1945.
Polish and cleaners and the like. E. H. Hufnagel. 410,880; Dec. 26; Serial No. 457,705; published June 1, 1943.
Soap. Barclay & Co. 197,284; renewed Apr. 14, 1945.

CLASS 5

Cement and a catalyst. Adhesive optical. Argus, Incorporated. 410,939; Dec. 26; Serial No. 472,135; published Oct. 17, 1944.
Paste, Adhesive. American Crayon Company. 196,193; renewed Mar. 10, 1945.

CLASS 6

Accelerator, Rubber. R. T. Vanderbilt Company. 410,940; Dec 26; Serial No. 472,167; published Oct. 10, 1944.
Ammonia. R. H. Macy & Co. 194,869; renewed Feb. 10, 1945.
Antiseptic and disinfectant preparation. Lehn & Fink Products Corporation. 410,899; Dec. 26; Serial No. 468,081; published Oct. 10, 1944.
Antiseptic, germicides, and bactericides. Hynson, Westcott & Dunning. 197,189; renewed Apr. 14, 1945.
Chemical flux composition. R. D. Wasserman. 410,922; Dec. 26; Serial No. 471,464; published Oct. 10, 1944.
Chemical substances for use as antiseptics, bactericides, antimalarials, etc. Imperial Chemical (Pharmaceuticals) Limited. 410,885; Dec. 26; Serial No. 463,201; published Oct. 10, 1944.
Compound used in the particular treatment of arthritic and rheumatoid conditions. Gallia Laboratories, Inc. 410,892; Dec. 26; Serial No. 466,787; published Oct. 10, 1944.
Copper compounds for mildew-proofing. General Dyestuff Corporation. 410,941; Dec. 26; Serial No. 472,322; published Oct. 10, 1944.
Cream preparation, Scalp. H. G. Anderson. 410,889; Dec. 26; Serial No. 464,907; published Oct. 10, 1944.
Deodorants in cream and powder form. Colgate-Palmolive-Peet Company. 410,884; Dec. 26; Serial No. 462,903; published Oct. 10, 1944.
Dyes, dye-stuffs, and colors. National Aniline & Chemical Company. 195,765; renewed Mar. 3, 1945.
Estrogenic preparations. Roche-Organon, Inc. 410,923–4; Dec. 26; Serial Nos. 471,571–2; published Oct. 10. 1944.
Food colors, Certified. National Aniline & Chemical Company. 194,837; renewed Feb. 10, 1945.
Hair growers. R. J. Garrett, Jr. 198,102; renewed May 5, 1945.
Hair tonic. E. Marchitto. 410,935; Dec. 26, Serial No. 472,115; published Oct. 10, 1944.
Liniments. A. N. Kjellander. 197,552; renewed Apr. 21, 1945.
Medical preparation—namely, a refreshing massage. Physicians & Hospitals Supply Company. 410,936; Dec. 26; Serial No. 472,121; published Oct. 10, 1944.
Medical preparation—namely, capsules of mixed natural tocopherols. Physicians & Hospitals Supply Company. 410,937; Dec. 26; Serial No. 472,122; published Oct. 10, 1944.
Menthol, Synthetic. New York Quinine and Chemical Works, Inc. 197,516; renewed Apr. 21, 1945.
Oil of ylang-ylang. Fritzsche Brothers, Inc. 198,126; renewed May 5, 1945.
Perfume. S. J. J. Lakhovsky. 410,928; Dec. 26; Serial No. 471,835; published Oct. 10, 1944.
Perfume. S. P. F. of America, Inc. 410,908; Dec. 26; Serial No. 470,042; published Oct. 10, 1944.
Perfumes, toilet waters, cosmetic creams and make-up. Lentheric, Incorporated. 410,931; Dec. 26; Serial No. 471,920; published Oct. 10, 1944.
Pills, Headache. C. S. Littell & Co. 197,505; renewed Apr. 21, 1945.
Pollen antigens. Lederle Laboratories, Inc. 410,919; Dec. 26; Serial No. 471,220; published Oct. 10, 1944.
Powder, Hygienic. Colorado Laboratories, Incorporated. 410,921; Dec. 26; Serial No. 471,302; published Oct. 10, 1944.
Preparation for the extermination of ectoparasites. E. Merck. 192,529; renewed Dec. 9, 1944.
Preparation to be used in the treatment of secondary anaemia. Wilson Laboratories. 192,114; renewed Nov. 25, 1944.
Preservatives, Wood. Osmose Wood Preserving Co. of America, Inc. 410,913; Dec. 26; Serial No. 470,383; published Oct. 10, 1944.
Solution containing vitamin B factors, Injectable. Galen Company. 410,900; Dec. 26; Serial No. 468,114; published Oct. 10, 1944.
Sticks, Styptic. S/A Products Company. 410,888; Dec. 26; Serial No. 463,891; published Dec. 7, 1943.
Tonic preparation for anemia, chlorosis and neurasthenia. Endo Products Inc. 410,934; Dec. 26; Serial No. 472,105; published Oct. 10, 1944.

CLASS 8

Pipes, pipe cases, pipe stands, etc. Lane Tobacco, Ltd. 410,904; Dec. 26; Serial No. 469,083; published Oct. 17, 1944.

CLASS 11

Ink paste. American Crayon Company. 197,223; renewed Apr. 14, 1945.
Ink varnish, silver ink paste, and silver ink, Silver and gold. Illinois Bronze Powder Co. 410,952; Dec. 26; Serial No. 472,952; published Oct. 3, 1944.

CLASS 12

Asphalt saturated and coated reinforcing felt, etc. Pioneer Paper Company. 194,211; renewed Jan. 20, 1945.
Buildings, Prefabricated knockdown. Travelodge Corporation. 410,881; Dec. 26; Serial No. 458,769; published Oct. 17, 1944.
Cement, Mastic. Tremco Manufacturing Company. 410,901; Dec. 26; Serial No. 469,175; published Oct. 17, 1944.
Protective liquid coatings for metal masonry and other surfaces. Tremco Manufacturing Company. 410,891; Dec. 26; Serial No. 466,558; published Oct. 17, 1944.
Roofing, Composition ready or prepared. Pioneer Paper Company. 194,210; renewed Jan. 20, 1945.

CLASS 13

Boilers and coffee urns, Tin coffee. C. K. Scofield. 191,976; renewed Nov. 25, 1944.
Box strapping, Metal. Darling Valve & Manufacturing Company. 410,910; Dec. 26; Serial No. 470,138; published Oct. 17, 1944.
Couplings, hose clamps and nipples, Hose. Hercules Company. 410,902; Dec. 26; Serial No. 468,514; published Oct. 17, 1944.
Pots, hand ladles, and molds, Lead-melting. Turner & Seymour Mfg. Co. 192,305; renewed Dec. 2, 1944.
Rivets, screws, nails, etc. Anaconda Copper Mining Company. 194,620–1; renewed Feb. 3, 1945.
Wire, Screen. Gilbert & Bennett Mfg. Co. 410,911; Dec. 26; Serial No. 470,262; published Oct. 17, 1944.

CLASS 15

Candles. American Crayon Company. 196,992; renewed Apr. 7, 1945.
Gasoline and motor lubricating oils. G. W. Quinn. 192,993; renewed Dec. 16, 1944.
Grease preparation. E. J. Curran. 410,973; Dec. 26. Class 15.
Oils, Motor lubricating. Standard Oil Company. 196,118; renewed Mar. 10, 1945.

CLASS 16

Enamels, body colors, primers, etc., Paint. Flint Varnish & Color Works. 192,548; renewed Dec. 9, 1944.
Lacquers. Egyptian Lacquer Manufacturing Company. 410,898; Dec. 26; Serial No. 467,938; published June 13, 1944.
Paint, Bronze and enamel. J. F. Kurfees Paint Company. 196,174; renewed Mar. 10, 1945.
Paint, floor paint and machinery enamel, Silica graphite. Joseph Dixon Crucible Company. 410,949; Dec. 26; Serial No. 472,804; published Oct. 10, 1944.
Paint, paint enamel and varnish, Ready mixed. Vita-Var Corporation. 410,933; Dec. 26; Serial No. 472,092; published Oct. 17, 1944.
Paint pastes and metallic organic compounds; plasticizers. Resinous Products & Chemical Company. 410,890; Dec. 26; Serial No. 466,546; published Oct. 10, 1944.
Paint, Prepared liquid. J. E. Kurfees Paint Company. 196,881; renewed Mar. 31, 1945.
Paints, ready-mixed paints, etc., Ready-mixed marine. Federal Composition & Paint Company. 197,323; renewed Apr. 14, 1945.
Sulphate, Basic lead. Eagle-Picher Lead Company. 197,345; renewed Apr. 14, 1945.
Sulphate, Basic lead. Eagle-Picher Lead Company. 198,268; renewed May 12, 1945.
Waxes. Fuld Bros. 410,930; Dec. 26; Serial No. 471,871; published Oct. 3, 1944.

CLASS 17

Cigars. Lobeto y Campania, S. en C. 410,912; Dec. 26; Serial No. 470,342; published Oct. 17, 1944.

CLASS 19

Anchors, gasoline and oil filler caps, sheet blocks, etc., Sea. Durkee Marine Products Corporation. 410,914; Dec. 26; Serial No. 470,562; published Oct. 17, 1944.
Motor boats, sail boats, row boats, etc., Outboard. R. F. Meyer. 410,987; Dec. 26.
Pulleys, fairleaders, and housings, Plastic. Plastic Manufacturing, Incorporated. 410,886; Dec. 26; Serial No. 463,235; published Oct. 17, 1944.

CLASS 20

Floor coverings, Felt-base. Armstrong Cork Company. 196,378; renewed Mar. 17, 1945.

CLASS 21

Electric cord take-up reels. Vacuum Cleaner Corporation of America. 410,926; Dec. 26; Serial No. 471,769; published Oct. 17, 1944.
Electric generators, electric motors, domestic lighting plants and magnetos. Fairbanks, Morse & Co. 410,887; Dec. 26; Serial No. 463,748; published Oct. 17, 1944.
Electric vacuum cleaners and attachments therefor. Winthrop's Vacuum Cleaner Corp. 410,905; Dec. 26; Serial No. 469,483; published June 27, 1944.
Radio receiving sets and parts thereof. Zenith Radio Corporation. 410,894; Dec. 26; Serial No. 466,965; published Oct. 17, 1944.
Telephone systems, Automatic. Automatic Electric Company. 196,366; renewed Mar. 17, 1945.
Tubes, Electronic. Century Radion Company, Inc. 410,932; Dec. 26; Serial No. 471,998; published Oct. 17, 1944.

CLASS 22

Miniature bowling game apparatus. Club Aluminum Products Co. 410,960; Dec. 26.
Toy rattles. Hoover Products, Inc. 410,993; Dec. 26.

CLASS 23

Derricks and traveling cranes. Cullen-Friestedt Company. 198,349; renewed May 12, 1945.
Duplicating machine. Ditto, Incorporated. 197,480; renewed Apr. 21, 1945.
Sharpeners, Knife. Ace Hardware Mfg. Corp'n. 197,620; renewed Apr. 21, 1945.
Tools, Diamond-pointed. Joyce-Koebel Diamond Company. 194,996; renewed Feb. 17, 1945.
Utensils, Kitchen. Ace Hardware Mfg. Corp'n. 198,148; renewed May 5, 1945.

CLASS 26

Eyeglass and spectacle frames and parts therefor. Kono Manufacturing Company. 410,920; Dec. 26; Serial No. 471,261; published Oct. 17, 1944.
Gauges for diamond-pointed tools. Joyce-Koebel Diamond Company. 194,997; renewed Feb. 17, 1945.
Indicators for canned goods, Seal leakage. R. N. Shoner. 410,942; Dec. 26; Serial No. 472,341; published Oct. 17, 1944.

Micrometers. Curtis Engineering Company. 410,955; Dec. 26; Serial No. 473,276; published Oct. 17, 1944.
Micrometers, Tubular Micrometer Company, The. 410,927; Dec. 26; Serial No. 471,823; published Oct. 17, 1944.
Photographic shutters. Eastman Kodak Company. 194,302; renewed Jan. 20, 1945.
Switches, that are both manually and thermostatically operated. Servel, Inc. 410,938; Dec. 26; Serial No. 472,125; published Oct. 17, 1944.

CLASS 27

Clocks, Automatic electrically controlled. E. M. Bertram. 410,907; Dec. 26; Serial No. 469,828; published Oct. 17, 1944.
Watches. E. Leichter. 410,950; Dec. 26; Serial No. 472,874; published Oct. 17, 1944.

CLASS 29

Brushes, dry mops, dish mops, etc. Shane & Hays. 191,751; renewed Nov. 18, 1944.
Mops, Floor. O-Cedar Corp'n. 410,956; Dec. 26.

CLASS 31

Water coolers. Cordley & Hayes. 410,971; Dec. 26.

CLASS 32

Furniture, Venetian blinds and mattresses, Living room, dining room, bedroom and kitchen. Allied Stores Corporation. 410,903; Dec. 26; Serial No. 468,935; published Oct. 17, 1944.

CLASS 34

Bowls, Glass illuminating. Buffalo Chandelier Corporation. 196,918; renewed Mar. 31, 1945.
Oxyacetylene cutting apparatus. Air Reduction Company. 195,813–4; renewed Mar. 3, 1945.
Ventilators and deck plates, hood ventilators, porthole air scoops, marine lamps, Combination. Durkee Marine Products Corporation. 410,915; Dec. 26; Serial No. 470,566; published Oct. 17, 1944.

CLASS 35

Tires, Re-capped pneumatic. A. L. Tanner. 410,945; Dec. 26; Serial No. 472,438; published Oct. 17, 1944.

CLASS 36

Chimes, Manually operable percussion type. M. F. Miller. 410,978; Dec. 26.
Records, Phonograph. American Glossite Company. 410,954; Dec. 26; Serial No. 473,205; published Oct. 17, 1944.

CLASS 37

Chalk. American Crayon Company. 196,824; renewed Mar. 31, 1945.
Pencils. Louis F. Dow Company. 184,930; renewed June 3, 1944.
Pens and mechanical pencils, Fountain. Parker Pen Company. 410,946; Dec. 26; Serial No. 472,650; published Oct. 17, 1944.
Pens and mechanical pencils, Fountain. Parker Pen Company. 410,947; Dec. 26; Serial No. 472,693; published Oct. 17, 1944.
Pens and pencils. Parker Pen Company. 191,306; renewed Nov. 4, 1944.

CLASS 38

Catalogue, Annual. E. B. Fritz. 195,188; renewed Feb. 17, 1945.

CLASS 39

Blouses, Ladies'. H. Hamburger. 410,995; Dec. 26.
Brassières. D. I. Cohen. 410,982; Dec. 26.
Coats, suits, skirts, and jackets. Ladies', misses', and junior misses'. J. Stein. 410,968; Dec. 26.
Dresses, Women's and misses'. R. H. Macy & Co. 195,051; renewed Feb. 17, 1945.
Dresses, Women's and misses'. Meera Brooke Frocks, Inc. 410,966; Dec. 26.
Gloves. H. H. Schmidt Glove Co. 410,963; Dec. 26.
Hats, Ladies'. S. Galland. 410,990; Dec. 26.
Hats, Ladies'. Hatty's Hat Co. 196,865; renewed Mar. 31, 1945.
Hats, Misses' and girls'. Gage Brothers and Company. 410,962; Dec. 26.
Hosiery. Bedell Company. 180,996; renewed Mar. 11, 1944.
Hosiery. Burson Knitting Company. 198,256; renewed May 12, 1945.
Overalls, dresses, and men's dress and negligee shirts. J. L. Stifel & Sons. 198,326; renewed May 12, 1945.
Pajamas, robes, shorts and underwear. Knothe Brothers Co. Inc. 410,989; Dec. 26.
Pants, Baby. Rand Rubber Company. 410,983; Dec. 26.
Scarfs, Ladies' neck. Novelty Veiling Co. 410,988; Dec. 26.
Shoes. J. Antell. 410,981; Dec. 26.
Shoes. Ettelbrick Shoe Company. 410,964; Dec. 26.
Suits, Men's. Hickey-Freeman Company. 195,449; renewed Feb. 24, 1945.
Suits, Men's. Hickey-Freeman Company. 196,362; renewed Mar. 17, 1945.

Sweaters, Knitted. Gotham Knitting Mills, Inc. 410,991; Dec. 26.
Topcoats and overcoats, Men's and boys'. Jacob Siegel Company. 410,986; Dec. 26.

CLASS 40

Buckles, Garment-supporting-belt. D. M. Wirth. 194,991; renewed Feb. 17, 1945.
Laces, Shoe. Cordo-Hyde Company. 198,295; renewed May 12, 1945.

CLASS 42

Cotton piece goods. Riverside & Dan River Cotton Mills, Inc. 410,961; Dec. 26.
Cotton, wool, and rayon piece goods. Rutger Fabrics Corp. 410,976; Dec. 26.
Curtains, Window. Bartmann & Bixer, Inc. 410,958; Dec. 26.
Fabrics in the piece, Textile. Hess Goldsmith & Co. Inc. 410,917; Dec. 26; Serial No. 471,213; published Oct. 3, 1944.
Fabrics in the piece, Textile. Hess Goldsmith & Co. Inc. 410,918; Dec. 26; Serial No. 471,215; published Oct. 3, 1944.
Fabrics, Rubberized textile. Archer Strauss Rubber Company. 197,881; renewed Apr. 28, 1945.
Goods in the piece of rayon yarn, Knitted. Valcort Hosiery Corporation. 410,909; Dec. 26; Serial No. 470,052; published Oct. 10, 1944.
Muslin, Bleached. J. C. Penney Company. 195,576; renewed Feb. 24, 1945.
Net fabrics in the piece. Lace Net Importing Co. 410,972; Dec. 26.
Piece goods. Boott Mills. 410,970; Dec. 26.
Piece goods. Brand & Oppenheimer, Incorporated. 410,985; Dec. 26.
Piece goods. Mallinson Fabrics Corporation. 410,906; Dec. 26; Serial No. 469,638; published Sept. 26, 1944.
Piece goods of wool, worsted, hair, cotton, etc. S. H. Rawnsley, Limited. 410,893; Dec. 26; Serial No. 466,805; published Oct. 10, 1944.
Rayon fabrics in the piece. Roth Fabrics Corporation. 410,967; Dec. 26.
Ribbons. National Ribbon Corporation. 410,994; Dec. 26.
Sheets and water-proof sheeting, Crib. Rand Rubber Company. 410,984; Dec. 26.
Towels, table cloth sets, scarfs or runners, etc. G. Neff. 410,957; Dec. 26.
Woolen fabrics in the piece. Gay Brothers Company. 410,992; Dec. 26.

CLASS 43

Yarns. Beaunit Mills, Inc. 410,929; Dec. 26; Serial No. 471,848; published Oct. 3, 1944.
Yarns, threads, elastic yarns, etc. American Viscose Corporation. 410,882; Dec. 26; Serial No. 461,236; published Sept. 12, 1944.

CLASS 44

Strap, Fabric back rubbing. M. Menon. 410,965; Dec. 26.
Surgical apparatus. Schering & Glatz, Inc. 410,896; Dec. 26; Serial No. 467,573; published Oct. 17, 1944.
Thermometers and dental water syringes, Clinical. Becton, Dickinson & Co. 410,998; Dec. 26.
Thermometers, Clinical. Becton, Dickinson & Co. 410,999; Dec. 26.

CLASS 46

Bread. Mueller Baking Co. 191,626; renewed Nov. 11, 1944.
Butter, dressed poultry, cheese, eggs. Minnesota Co-Operative Creameries Association, Inc. 197,022; renewed Apr. 7, 1945.
Candy bars. Candymasters Incorporated. 410,969; Dec. 26.
Canned fruits. Filice & Perrelli Canning Company. 410,979; Dec. 26.
Canned fruits and vegetables. Filice & Perrelli Canning Company. 410,977; Dec. 26.
Canned vegetables, fruits, clams, meat products, etc. R. C. Williams & Company. 410,879; Dec. 26; Serial No. 453,653; published Oct. 17, 1944.
Feed supplement for poultry and livestock, Vitamin-containing. Silmo Chemical Corporation. 410,943; Dec. 26; Serial No. 472,368; published Oct. 17, 1944.
Flour, Granular wheat. North Dakota Mill and Elevator Association. 194,010; renewed Jan. 13, 1945.
Flour product, Specially milled oat. Quaker Oats Company. 410,897; Dec. 26; Serial No. 467,737; published Oct. 17, 1944.
Flour, self-rising pancake flour, wheat meal, etc., Wheat. Red Star Milling Company. 196,640; renewed Mar. 24, 1945.
Flour, Wheat. C. W. Brister & Son. 188,516; renewed Aug. 26, 1944.
Flour, Wheat. Schultz, Baujan & Company. 196,306; renewed Mar. 17, 1945.
Food products. M. J. Ginter. 192,719; renewed Dec. 9, 1944.
Fruit, Fresh citrous. Redlands Foothill Groves. 198,310; renewed May 12, 1945.
Fruits, Fresh citrous. Johnston Fruit Company. 198,261; renewed May 12, 1945.
Grapes, Fresh. Sequoia Foothill Fruit Growers. 191,759; renewed Nov. 18, 1944.
Gum, Chewing. Wm. Wrigley, Jr. Company. 192,523; renewed Dec. 9, 1944.
Ice cream. Hendler Creamery Company. 196,479; renewed Mar. 17, 1945.
Meat products. Dubuque Packing Company. 410,975; Dec. 26.
Oleomargarine. Wilson & Co. 192,795; renewed Dec. 9, 1944.
Potato chips. C. J. Vitner. 410,997; Dec. 26.
Raisins, Dried. American Seedless Raisin Company. 198,282; renewed May 12, 1945.
Rutabagas, Dehydrated. Hy-Dry Food Products, Inc. 410,959; Dec. 26.
Sandwiches. T. Lewis. 411,000; Dec. 26.
Wheat products. North Dakota Mill and Elevator Association. 193,246; renewed Dec. 23, 1944.

CLASS 50

Eggs, Lime nest. American Crayon Company. 197,697; renewed Apr. 21, 1945.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 26TH DAY OF DECEMBER, 1944

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Fridolph, Maude C., New York, N. Y. Pantie construction. Re. 22,583; Dec. 26.
General Motors Corporation. (See Terry, M. C., and Komroff, assignors.)
Komroff, Paul. (See Terry, M. C., and Komroff.)
Terry, Matson C., Abington, Pa., and P. Komroff, Flushing, N. Y., assignors, by mesne assignments, to General Motors Corporation. Self-contained air conditioner. Re. 22,584; Dec. 26.

LIST OF DESIGN PATENTEES

Anderson, Carl E., Kansas City, Kans. Carpet display rack. 139,814; Dec. 26.
Bécard, Florence L., Irvington, N. Y. Baby's bootee. 139,815; Dec. 26.
Berens, Robert S., New York, N. Y. Wallet. 139,847; Dec. 26.
Bertisch, Leo, Cedarhurst, N. Y. Combined soap bowl and holder. 139,816; Dec. 26.
Borger, David H. (See Taylor, Owen, assignor.)
Brown, Cecil F., Kansas City, Mo. Hobbyhorse. 139,800; Dec. 26.
Chandler, Frank J., and J. B. Paton, Detroit, Mich. Sterilizing device. 139,817; Dec. 26.
Cheek, Landon N., assignor to R. P. Schield, Nashville, Tenn. Game board. 139,801; Dec. 26.
Clark, Robert H. (See Smith, L. A., assignor.)
Clarkson, Charles, Jr., Pawtucket, R. I. Lace. 139,818; Dec. 26.
Crandell, Purley A., Burnley, England, assignor to Ekco Products Company, Chicago, Ill. Combined can opener and gripping tool. 139,840; Dec. 26.
Deutsch, Alexander T., Cincinnati, Ohio. Household food machine or similar article. 139,848; Dec. 26.
Dieges, Robert T., West Barrington, R. I. Finger ring. 139,849; Dec. 26.
Ekco Products Company. (See Crandell, Purley A., assignor.)
Emery, William M., Shaker Heights, Ohio. Compact. 139,841; Dec. 26.
Eubank, Judson C., New York, N. Y. Combined cigarette container and match holder. 139,819; Dec. 26.
Fishberger, Isidor, H. Weinstein, and S. Levine, New York, N. Y. Spectacle frame or similar article. 139,820; Dec. 26.
Forss, Ernest, assignor to N. F. Testor, Rockford, Ill. Pneumatic riveting hammer unit. 139,821; Dec. 26.
Frenning, Alfred B., Little Compton, R. I., assignor to S. M. Howes, Inc., Taunton, Mass. Combined stove and grill or the like. 139,850; Dec. 26.
Frost Company. (See Frost, W. J., assignor.)
Frost, Walter J., assignor to Frost Company, Kenosha, Wis. Shower spray nozzle. 139,822; Dec. 26.
Golden, Zelma, New York, N. Y. Jacket. 139,851; Dec. 26.
Golden, Zelma, New York, N. Y. Jacket. 139,852; Dec. 26.
Golden, Zelma, New York, N. Y. Jacket. 139,853; Dec. 26.
Golden, Zelma, New York, N. Y. Jacket. 139,854; Dec. 26.
Golden, Zelma, New York, N. Y. Jacket. 139,855; Dec. 26.
Golden, Zelma, New York, N. Y. Jacket. 139,856; Dec. 26.
Golden, Zelma, New York, N. Y. Jacket. 139,857; Dec. 26.
Groetsch, Max, and B. M. Sprague, Pittsburgh, Pa. Combined salt and pepper shaker. 139,842; Dec. 26.
Hanscom, Henry G., Elmhurst, Ill. Tricycle or similar article. 139,802; Dec. 26.
Henry, John L., Los Angeles, Calif. Toy. 139,803; Dec. 26.
Hitzeman, Henry C., et al. (See Pease, Henry E., assignor.)
Hockery, John C., et al. (See Talge, Henry J., assignor.)
Hoglin, Irving M., Boulder, Colo. Transparent hood for aircraft or similar article. 139,858; Dec. 26.
Howes, S. M., Inc. (See Frenning, Alfred B., assignor.)
Jones, Charles E., assignor to Rockwell-Barnes Company, Chicago, Ill. Letter tray or similar article. 139,823; Dec. 26.
Kaub, Ottmar, St. Louis, Mo. Moistener. 139,804; Dec. 26.
Kump, Ernest J., Jr., Atherton, Calif. Cabinet. 139,859; Dec. 26.
Leonhardt, Clarice L., Miami, Fla. Brooch pin. 139,824; Dec. 26.
Levine, Sam. (See Fishberger, I., Weinstein, and Levine.)
Levine, Louis C., Brooklyn, N. Y. Handbag. 139,825; Dec. 26.
Maycen, Othmar F., New York, N. Y. Airplane. 139,860; Dec. 26.
Miller, Herbert L., Wichita, Kans. Violin or similar article. 139,861; Dec. 26.
Murray, Despot. (See Walker, C. F., and Murray.)
Nathan, Emanuel, Maplewood, N. J. Spectacle case or similar article. 139,826; Dec. 26.
Niedermeyer, Joseph, Milwaukee. Sash weight suspension pulley cover. 139,805; Dec. 26.
Nudelman, Eoina, Chicago, Ill. Set of toy animal blocks. 139,806; Dec. 26.
Paton, James B. (See Chandler, F. J., and Paton.)
Pease, Henry E., assignor to H. C. Hitzeman, C. B. Winkler, and H. E. Pease, Chicago, Ill. Dart game board. 139,807; Dec. 26.
Picut, Frederick C., Westfield, N. J. Dispensing faucet. 139,827; Dec. 26.
Pine, Sidney R., Maplewood, N. J. Combined clothespin and hanger or similar article. 139,828; Dec. 26.
Plosky, Saul, New York, N. Y. Lapel fob watch. 139,829; Dec. 26.
Pool, Clarence, Rivera, Calif. Valve check. 139,830; Dec. 26.
Posnack, Emanuel R., New York, N. Y. Combination desk unit. 139,831; Dec. 26.
Posnack, Emanuel R., New York, N. Y. Combination desk unit. 139,832; Dec. 26.
Posnack, Emanuel R., New York, N. Y. Combination desk unit. 139,833; Dec. 26.
Powell, Frank, Miami, Fla. Ash tray. 139,808; Dec. 26.
Powell, Frank, Miami, Fla. Ash tray. 139,809; Dec. 26.
Powell, Frank, Miami, Fla. Brooch pin. 139,834; Dec. 26.
Rauh, Herbert S., New York, N. Y. Spat. 139,835; Dec. 26.
Rival Manufacturing Company. (See Talge, Henry J.)
Rockwell-Barnes Company. (See Jones, C. E., assignor.)
Sabiers, Charles, Amherst, Ohio. Lamp support. 139,836; Dec. 26.
Schield, R. Pete. (See Cheek, Landon N., assignor.)
Schneider, Eugene S., Los Angeles, Calif. Coat hanger. 139,843; Dec. 26.
Smith, Lawson A., assignor to R. H. Clark, Los Angeles, Calif. Combined drill and counterbore. 139,844; Dec. 26.
Sprague, Bernardine M. (See Groetsch, M., and Sprague.)
Talge, Foster L., et al. (See Talge, Henry J., assignor.)
Talge, Henry J., assignor to J. C. Hockery, F. L. Talge, and H. J. Talge, doing business as Rival Manufacturing Company, Kansas City, Mo. Juice extractor. 139,845; Dec. 26.
Tamis, Jacob, Yonkers, N. Y. Combined picture frame and clip. 139,837; Dec. 26.
Taylor, Owen, assignor to D. H. Borger, Dallas, Tex. Bottle lifter. 139,846; Dec. 26.
Testor, Nils F. (See Forss, E., assignor.)
Tobler, Hans, Teaneck, N. J. Embroidered trimming or similar article. 139,810; Dec. 26.
Tobler, Hans, Teaneck, N. J. Embroidered trimming or similar article. 139,811; Dec. 26.
Tobler, Hans, Teaneck, N. J. Embroidered trimming or similar article. 139,812; Dec. 26.
Walker, Charles F., and D. Murray, Philadelphia, Pa. Sandal. 139,838; Dec. 26.
Walker, Joseph, Cannonsburg, Pa. Pin or similar article of jewelry. 139,813; Dec. 26.
Weinstein, Hyman. (See Fishberger, I., Weinstein, and Levine.)
Winkler, Clarence B., et al. (See Pease, Henry E., assignor.)
Winter, Arthur, Weehawken, N. J. Fountain pen. 139,839; Dec. 26.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 26TH DAY OF DECEMBER, 1944

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Abal Drilling Corporation. (See Newkirk, Edgar D., assignor.)
Abbott, Geoffrey J., Carshalton, assignor to P. I. V. Chain Gears Limited, London, England. Driving band or chain. 2,365,988; Dec. 26.
Acme Steel Company. (See Hunter, Joseph L., assignor.)
Addressograph-Multigraph Corporation. (See Benes, Gaspar P., assignor.)
Adel Precision Products Corp. (See Morehouse, Eugene M., assignor.)
Affel, Herman A., Ridgewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Vibrating relay modulator circuit. 2,365,672; Dec. 26.
Agriculture of the United States of America, and his successors in office, Claude R. Wickard, as Secretary of. (See Asbill, C. M., Jr., and Young, assignors.)
Agruss, Meyer S., Chicago, and H. Schindler, Evanston, assignors to The Pure Oil Company, Chicago, Ill. Process and reagent for demulsifying oils. 2,365,852; Dec. 26.
Agruss, Meyer S., Chicago, and H. Schindler, Evanston, assignors to The Pure Oil Company, Chicago, Ill. Breaking of crude oil emulsions. 2,365,853; Dec. 26.
Aicher, Margaret J. (See Troensegaard, G., and Aicher.)
Ailes, Curtis, Jr., Schenectady, N. Y., assignor to General Electric Company. Mounting device. 2,365,989; Dec. 26.
Air Reduction Company. (See Crowe, John J., assignor.)
Akron Standard Mold Company, The. (See Kastner, Edward C., assignor.)
Albaugh, Maurice, Quincy, Ohio. Chimney coping. 2,365,854; Dec. 26.
Alderfer, Sterling W., assignor of one-half to E. D. Andrews, Akron, Ohio. Pressure tank. 2,366,140; Dec. 26.
Alderfer, Sterling W., assignor of one-half to E. D. Andrews, Akron, Ohio. Making pressure containers. 2,366,141; Dec. 26.
Alford, Joseph S., Nahant, Mass., assignor to General Electric Company. Aircraft turbine. 2,365,990; Dec. 26.
Alien Property Custodian. (See Goudsmit, Johan L.)
Alien Property Custodian. (See Tromp, Klaas F.)
Alien Property Custodian. (See Uloth, R., and Mueller-Cunradi.)
Allen, Earle F., Boston, Mass., assignor to Manning, Maxwell & Moore, Incorporated, New York, N. Y. Valve device. 2,365,927; Dec. 26.
Allen, Robert C., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Blade shrouding. 2,366,142; Dec. 26.
Allen, Russell G., Alton, Ill., assignor to Owens-Illinois Glass Company. Mold carrying mechanism. 2,365,928; Dec. 26.
Allen, Russell G., and C. B. Smith, Alton, Ill., assignors to Owens-Illinois Glass Company. Machine for blowing hollow glassware. 2,365,929; Dec. 26.
Allis-Chalmers Manufacturing Company. (See Allen, Robert C., assignor.)
Allis-Chalmers Manufacturing Company. (See Michel, Mathias, assignor.)
Allis-Chalmers Manufacturing Company. (See Montgomery, Terryl B., assignor.)
Allis-Chalmers Manufacturing Company. (See Rheingans, William J., assignor.)
American Bridge Company. (See Sohn, Jesse S., assignor.)
American Can Company. (See Butler, William F., assignor.)
American Cyanamid Company. (See Cook, E. W., and Thomas, assignors.)
American District Telegraph Company. (See Muehter, Manfred W., assignor.)
American Houses, Inc. (See McLaughlin, Robert W., Jr., assignor.)
American Lead Pencil Company. (See Juelss, David, assignor.)
American Securit Company, The. (See Long, Bernard, assignor.)
American Steel and Wire Company, The. (See Horwedel, Charles R., assignor.)
American Steel and Wire Company, The. (See Sieurin, Oke S., assignor.)
American Steel and Wire Company of New Jersey, The. (See Sengenberger, Donald F., assignor.)
American Tool Works Company, The. (See Hoelscher, William G., assignor.)
Andrews, Edward D. (See Alderfer, Sterling W., assignor.)
Andrews, Percival W. (See Dewan, Leon, assginor.)
Antonson, John O., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Protective apparatus for propellers. 2,365,992; Dec. 26.
Apgar, Frank A., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Refining oils. 2,365,993; Dec. 26.
Arendt, Beach F. (See Robertson, J. A., Payne, and Arendt.)
Argus, Incorporated. (See Fassin, Gustave, assignor.)
Armentrout, Arthur L., and R. A. Werts, Long Beach, Calif. Method and apparatus useful in repairing wells. 2,365,794; Dec. 26.
Armour and Company. (See Redemske, Gustav, assignor.)
Asbill, Clarence M., Jr., New Orleans, La., and R. C. Young, Leland, Miss., assignors to Claude R. Wickard, as Secretary of Agriculture of the United States of America, and his successors in office. Cotton-working machine. 2,365,793; Dec. 26.
Ashley, Merwin F., Arlington, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Making back parts of shoes. 2,365,795; Dec. 26.
Ashley, Merwin F., Arlington, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Making shoes. 2,365,796; Dec. 26.
Ashton, Benjamin N., assignor to Electrol Incorporated, Kingston, N. Y. Accumulator. 2,365,994; Dec. 26.
Atlantic Refining Company, The. (See Schreiber, William, assignor.)
Atlas Mineral Products Company, The. (See Payne, C. R., and Seymour, assignors.)
Atlee, Zed J., Elmhurst, assignor to General Electric X-Ray Corporation, Chicago, Ill. X-ray tube. 2,365,855; Dec. 26.
Automatic Shifters, Inc. (See Ingres, Jeannot G., assignor.)
"Automatic" Sprinkler Company of America. (See Rider, Harry N., assignor.)
Babcock & Wilcox Company, The. (See Grubb, John C., assignor.)
Baker, Albert V., Falmouth, England. Stretcher. 2,366,082; Dec. 26.
Baker, Raymond, Sr., Upper Darby, assignor to Horn & Hardart Baking Co., Philadelphia, Pa. Vending machine. 2,365,995; Dec. 26.
Bakker, Pier, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Private branch exchange automatic telephone system. 2,365,996; Dec. 26.
Barber-Colman Company. (See Lilja, Edgar D., assignor.)
Barton, Cyril H., and T. P. Hughes, London, England, assignors to Shell Development Company, San Francisco, Calif. Lubricating oils. 2,365,856; Dec. 26.
Bausch & Lomb Optical Company. (See Flint, Edward F., assignor.)
Bayhi, Marcel J., Texarkana, Ark., and A. E. Lilja, Texarkana, Tex., assignors to The B. F. Goodrich Company, New York, N. Y. Apparatus for handling shells and similar objects. 2,365,930; Dec. 26.
Bear Manufacturing Company. (See Olson, Hennning E., assignor.)
Belfer, Simon, Buenos Aires, Argentina. Maize harvester. 2,365,997; Dec. 26.
Bell Telephone Laboratories, Incorporated. (See Affel, Herman A., assignor.)
Bell Telephone Laboratories, Incorporated. (See Duhnkrack, George H., assignor.)
Bell Telephone Laboratories, Incorporated. (See Hearn, Richard B., assignor.)
Bendix Aviation Corporation. (See Jandasek, Joseph., assignor.)
Bendix Products Corporation. (See Shaff, Ernest H., assignor.)
Benes, Gaspar P., Euclid, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del. Forging apparatus. 2,365,857; Dec. 26.
Benger, Ernest B., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Finishing of polyamide fabrics. 2,365,931; Dec. 26.
Benson, Ralph L., assignor, by mesne assignments, to Gibson Refrigerator Company, Greenville, Mich. Compressor. 2,365,673; Dec. 26.
Bentley, Leslie F., assignor to Pye Limited, Cambridge, England. Method of and apparatus for heating material to perform a machining operation thereon. 2,365,998; Dec. 26.
Bently Engineering Company Limited, The. (See Brooksby, E., and Deans, assignors.)

Beswick, Emmett H. (See Stine, S. S., and Beswick.)
Bichowsky, Francis R., Washington, D. C. Heating and cooling. 2,365,797; Dec. 26.
Bierd, Richard E., Seattle, Wash. Splitting shakes and a machine therefor. 2,365,932; Dec. 26.
Binder, Adolph E., Spokane, Wash. Grate bar. 2,365,933; Dec. 26.
Binkley, Robert L., assignor to O. S. Petty, San Antonio, Tex. Method for use in earth drilling operations. 2,365,858; Dec. 26.
Black, James J., assignor, by mesne assignments, to The Trailer Company of America, Cincinnati, Ohio. Trailer or truck roof structure. 2,365,934; Dec. 26.
Blair, Wallace P., Midland, Tex., and W. A. Schillinger, assignors to Zero Hour Bomb Company, Tulsa, Okla. Device for loading explosives in wells. 2,365,798; Dec. 26.
Blosser, Herman G., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Coded track circuits. 2,365,799; Dec. 26.
Blumenkranz, Nathaniel M. H., Peekskill, N. Y. Preserving fruit and vegetables juices. 2,365,674; Dec. 26.
Blumstengel, Hugo R., Kansas City, Mo. Heating stove. 2,365,675; Dec. 26.
Boggs, Beryl A., Portsmouth, Va. Clamp. 2,365,935; Dec. 26.
Bone, Herbert L., Forest Hills, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway track switch operating apparatus. 2,365,800; Dec. 26.
Bonnot Company, The. (See Zimmerman, James J., assignor.)
Bosman, Alex. (See Levine, A., and Bosman.)
Boucher, Frank G., Tulsa, Okla., assignor to Standard Oil Development Company. Borehole inclinometer. 2,365,999; Dec. 26.
Bouterious, Arthur H., assignor to Mills Sales Company, Ltd., Oakland, Calif. Remote control unit for motion picture machines. 2,365,859; Dec. 26.
Box, Ernest R., and F. E. Kerridge, assignors to Johnson, Matthey & Company, Limited, London, England. Manufacture and production of photographic sensitive material. 2,366,083; Dec. 26.
Bradley, William E., Los Angeles, and K. J. Korpi, Redondo Beach, assignors to Union Oil Company of California, Los Angeles, Calif. Alkylation of isoparaffinic hydrocarbons. 2,365,860; Dec. 26.
Brander, Bertil J., Stockholm, Sweden. Shaving apparatus. 2,365,861; Dec. 26.
Bridgeport Brass Company. (See Mears, Stowell W., assignor.)
Briskin, Jack, et al. (See Sperry, Philmore F., assignor.)
Briskin, Philip F., et al. (See Sperry, Philmore F., assignor.)
Briskin, Theodore H., et al. (See Sperry, Philmore F., assignor.)
Briskin, Theodore S., assignor to Revere Camera Company, Chicago, Ill. Projector. 2,366,084; Dec. 26.
Bristol Aeroplane Company Limited, The. (See Crowe, R. K. and Mansell, assignors.)
Bristow, Paul W., assignor to Scott & Williams, Incorporated, Laconia, N. H. Knitting machine and method. 2,365,801; Dec. 26.
Brockman, Edwin G., Indianola, Iowa. Compass. 2,366,000; Dec. 26.
Brooks, Harrison M., assignor to Trico Products Corporation, Buffalo, N. Y. Window operator. 2,365,742; Dec. 26.
Brooksby, Ernest, and F. E. Deans, assignors to The Bently Engineering Company Limited, Leicester, England. Knitting machine. 2,366,001; Dec. 26.
Brothers, Abe R., Brooklyn, N. Y. Belt rack. 2,366,085; Dec. 26.
Browse, Sidney C., Toronto, Ontario, Canada. Marking instrument. 2,365,802; Dec. 26.
Brush Development Company, The. (See Williams, Alfred L. W., assignor.)
Bruson, Herman A., assignor to Röhm & Haas Company, Philadelphia, Pa. Poly-β-cyanoethyl indene as an insecticide. 2,365,936; Dec. 26.
Buckeye Traction Ditcher Company, The. See Kuch, M. G., Petersen, Hartwig, and Livingston, assignors.)
Buckle, George C. (See May, Jean L., assignor.)
Buffalo Brake Beam Company. (See Busch, Charles R., assignor.)
Bufton, Lee M., Union Grove, Wis. Feeder. 2,365,862; Dec. 26.
Burke, Charles E., Ludlow, Ky. Machine for molding solder bars. 2,365,743; Dec. 26.
Burkhalter, Harry D., Jr., Bowling Green, Ohio. Propeller pitch change mechanism. 2,365,676; Dec. 26.
Burns, John S., Burwood Park, Walton-on-Thames, England. Earth-moving machinery. 2,365,677; Dec. 26.
Busch, Charles R., Orange, N. J., assignor to Buffalo Brake Beam Company, New York, N. Y. Brake rigging and/or railway car truck. 2,365,744; Dec. 26.
Butler, William F., Hillside, N. J., assignor to American Can Company, New York, N. Y. Oven. 2,365,678; Dec. 26.
Cadet Smokestands Company. (See Fletcher, Maurice J., assignor.)
Caffrey, Charles S., Port Washington, N. Y., assignor to Wood Newspaper Machinery Corporation, Plainfield, N. J. Tension mechanism. 2,366,143; Dec. 26.
Cantor, Nathaniel, Brooklyn, N. Y. Carton. 2,365,863; Dec. 26.
Carden, Elizabeth M., Beauport East, Quebec, Canada. Diaper. 2,366,002; Dec. 26.
Carmody Research Laboratories, Inc. (See Carmody, W. H., assignor.)
Carmody, W. H., Springfield, Ohio, assignor to Carmody Research Laboratories, Inc. Chewing gum resin bases. 2,366,086; Dec. 26.
Casco Products Corporation. (See Lehmann, Herbert G., assignor.)
Casey, James A., Wilkes-Barre, Pa. Underfed stoker. 2,365,679; Dec. 26.
Casson, Wesley C. (See Tucker, P. T., and Masson.)
Castle, Boyd F., and W. W. Wodell, assignors to The Quincy Stove Manufacturing Company, Quincy, Ill. Oil burning device. 2,365,745; Dec. 26.
Celanese Corporation of America. (See Ellis, G. H., and Wesson, assignors.)
Celanese Corporation of America. (See Loud, John P., assignor.)
Chambers, Edwin G., Towson, R. B. Kling, and G. A. Seeley, Baltimore, Md., assignors to Western Electric Company, Incorporated, New York, N. Y. Article assembling apparatus. 2,365,803; Dec. 26.
Chapman, Harry E., Galesburg, Ill. Illuminating telephone dials. 2,365,864; Dec. 26.
Chapman, Kenneth W. (See Gray, John D., and Chapman.)
Chernack, Abel E., Elmwood, Conn. Machine for making tubular structures. 2,366,087; Dec. 26.
Christmann, John L., Passaic, N. J. Integrator. 2,365,937; Dec. 26.
Church, Joseph H. (See Landen, W. J., Church, and Thibodeau.)
Cities Service Oil Company. (See Morgan, John D., assignor.)
Clayton Manufacturing Company. (See Griswold, Donald G., assignor.)
Clerke, John W., Bellaire, N. Y. Continuous press. 2,365,804; Dec. 26.
Cole, Allen T., Lakeland, Fla., assignor to Minerals Separation North American Corporation, New York, N. Y. Concentration of sylvinite ores. 2,365,805; Dec. 26.
Commercial Solvents Corporation. (See Tindall, John B., assignor.)
Connell, Daniel R., Lowell, Mass., assignor to U. S. Bobbin & Shuttle Company, Providence, R. I. Machine for forming screw threads in caps or closures. 2,365,746; Dec. 26.
Connor, William B. (See Dauphinee, George S., assignor.)
Consolidated Aircraft Corporation. (See Smith, Frank M., assignor.)
Consolidated Vultee Aircraft Corporation. (See Keesler, Kenneth N., assignor.)
Continental Can Company. (See Punte, William F., assignor.)
Coody, John L., Tulsa, Okla. Pipe heating furnace. 2,366,088; Dec. 26.
Cook, Elmer W., New York, N. Y., and W. D. Thomas, Jr., Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Wax substituted diaryl dithiophosphoric acids and salts thereof. 2,365,938; Dec. 26.
Copeland, Ermin S., D. B. Porter, and W. Van Wyck, assignors to Fry & Blackhall, Limited, Wingham, Ontario, Canada. Spring support for upholstery and the like. 2,365,865; Dec. 26.
Corning Glass Works. (See Hinkley, R. A., and Meikle, assignors.)
Corning Glass Works. (See Kiehl, Harry R., assignor.)
Couse, Kibbey W., Newark, N. J. Center drilling device. 2,365,939; Dec. 26.
Couse, Kibbey W., Newark, N. J. Traveling workshop. 2,365,940; Dec. 26.
Cowles, Irving, Detroit, Mich., assignor to I. Cowles and R. W. Lotz, Chicago, Ill., successor co-trustees to Union Bank of Chicago, Ill. Detachable hose coupling. 2,365,747; Dec. 26.
Cowles, Irving, et al., successor co-trustees. (See Cowles, Irving, assignor.)
Crago, Harry R., Schenectady, N. Y., assignor to General Electric Company. Heating system. 2,366,003; Dec. 26.
Crake, Wilfred S. E., Houston, Tex., assignor to Shell Development Company, San Francisco, Calif. Oil well drill bit. 2,365,941; Dec. 26.
Crittenden, Philip L., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Compressor valve. 2,366,004; Dec. 26.
Crompton & Knowles Loom Works. (See Santon, Elliot A., assignor.)
Crompton & Knowles Loom Works. (See Wakefield, Walter H., assignor.)
Crowe, John J., Westfield, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Torch. 2,365,942; Dec. 26.
Crowe, Robert K., and H. C. Mansell, assignors to The Bristol Aeroplane Company Limited, Bristol, England. Cylinder head of internal-combustion engines. 2,366,005; Dec. 26.
Culver, Merlyn M., assignor to United Aircraft Products, Inc., Dayton, Ohio. Dilution valve. 2,366,006; Dec. 26.

Curtis, Frank W., Springfield, Mass., assignor to Van Norman Company. Hydraulic circuit. 2,365,748; Dec. 26.

Curtis, John C., Claremont, N. H., assignor to Sullivan Machinery Company. Rock drill. 2,365,680; Dec. 26.

Curtis, John C., Claremont, N. H., assignor to Sullivan Machinery Company. Drilling implement guide. 2,365,687; Dec. 26.

Curtis, John C., Claremont, N. H., assignor to Sullivan Machinery Company. Rock drill. 2,365,749; Dec. 26.

Curtis, John C., and E. G. Gartin, Claremont, N. H., assignors to Sullivan Machinery Company. Rock drill. 2,365,682; Dec. 26.

Curtis, John C., and E. G. Gartin, Claremont, N. H., assignors to Sullivan Machinery Company. Rock drill. 2,365,683; Dec. 26.

Cutanit Limited. (See Littmann, Martin, assignor.)

D'Alelio, Gaetano F., Pittsfield, Mass., assignor to General Electric Company. Production of synthetic polymeric compositions comprising sulphonated polymerizates of poly-vinyl aryl compounds and treatment of liquid media therewith. 2,366,007; Dec. 26.

D'Alelio, Gaetano F., Pittsfield, Mass., assignor to General Electric Company. Production of synthetic polymeric compositions comprising aminated polymerizates of poly-vinyl aryl compounds and treatment of liquid media therewith. 2,366,008; Dec. 26.

Dalrymple, Ferdinand H., Bedford, Ohio. Chain. 2,365,866; Dec. 26.

Dauphinee, George S., Brooklyn, assignor to W. B. Connor, New York, N. Y. Volume control for diffusers. 2,365,867; Dec. 26.

Dayton Pump & Mfg. Company, The. (See Horvath, Anthony G., assignor.)

Deans, Frederick E. (See Brooksby, E., and Deans.)

De Pasquale, John, and A. Westerman, assignors to Hardy Metal Specialties Inc., Brooklyn, N. Y. Vanity case or compact. 2,366,009; Dec. 26.

De Sanno, A. P., & Son, Inc. (See Torrese, Apollo, assignor.)

Detroit Harvester Company. (See Floraday, Burton S., assignor.)

Detroit Harvester Company. (See Kost, Harold W., assignor.)

Detroit Lubricator Company. (See Landon, Walter S., assignor.)

Dewan, Leon, Arverne, N. Y. Anti-icing and engine cooling system for airplanes. 2,366,089; Dec. 26.

Dewan, Leon, assignor of one-half to P. W. Andrews, New York, N. Y. Inertia damping arrangement for measuring instruments. 2,365,806; Dec. 26.

Dewey, Clarence L., Elkhart, Ind. Heat exchanger assembly. 2,365,688; Dec. 26.

Dialynas, Emmanuel M., Canton, Ohio. Pneumatic or cushion arch support for shoes. 2,365,807; Dec. 26.

D'Ianni, James D., assignor to Wingfoot Corporation, Akron, Ohio. Dihaloacids. 2,365,808; Dec. 26.

Dies, Charles A., Chicago, assignor of one-half to O. W. Peterson, Aurora, Ill. Pipe coupling. 2,366,010; Dec. 26.

Donaldson, Harry J., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Two-way amplifier. 2,366,011; Dec. 26.

Doré, Arthur J., assignor to Teletype Corporation, Chicago, Ill. Telegraph switching system. 2,365,750; Dec. 26.

Douglas Aircraft Company. (See Hamilton, Walter A., assignor.)

Douglas Aircraft Company. (See Tuttle, Eugene F., assignor.)

Dow Chemical Company, The. (See Hanson, Alden W., assignor.)

Dow Chemical Company, The. (See Livak, John E., assignor.)

Dowty Equipment (Canada) Limited. (See Wingate, Thomas R., assignor.)

Draper, Frederick C., Chipping Sodbury, and J. Shaw, Wotton-under-Edge, assignors to Parnall Aircraft Limited, Yate, near Bristol, England. Appliance for bending tubes, rods, and the like. 2,366,012; Dec. 26.

Drennan, Harry E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Hydrogenating hydrocarbon oils. 2,365,751; Dec. 26.

Duhnkrack, George H., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 2,365,689; Dec. 26.

Duncan, Gordon W., Scotch Plains, N. J., assignor to Standard Oil Development Company. Anticorrosion agents. 2,366,013; Dec. 26.

Du Pont, E. I., de Nemours & Company. (See Benger, Ernest B., assignor.)

Du Pont, E. I., de Nemours & Company. (See Henke, Clyde O., assignor.)

Du Pont, E. I., de Nemours & Company. (See Kvalnes, D. E., and Letang, assignors.)

Du Pont, E. I., de Nemours & Company. (See Mighton, Charles J., assignor.)

Du Pont, E. I., de Nemours & Company. (See Nerlinger, Ludwig F., assignor.)

Eagleson, George I., Cambridge, Ohio. Reamer. 2,365,943; Dec. 26.

Edwards, Herbert C., Massillon, assignor to The Timken Roller Bearing Company, Canton, Ohio. Fuel injector. 2,365,752; Dec. 26.

Elberty, Robert S., Jr., assignor to Landis Tool Company, Waynesboro, Pa. Series variable voltage drive. 2,366,090; Dec. 26.

Electric Arc, Inc. (See Holslag, Claude J., assignor.)

Electrol Incorporated. (See Ashton, Benjamin N., assignor.)

Ellis-Foster Company. (See Root, Frank B., assignor.)

Ellis, George H., and A. J. Wesson, Spondon, near Derby, England. Mordant dyeing of cellulose derivatives. 2,365,809; Dec. 26.

Emerson, Charles O., Pittsburgh, Pa. Long span, continuous bar, moment resisting, reticulated, grating panel. 2,366,151; Dec. 26.

Empire Electric Brake Corporation. (See Penrose, William F., assignor.)

Eskin, Samuel G., Pittsburgh, assignor to Robertshaw Thermostat Company, Youngwood, Pa. Temperature responsive device. 2,366,091; Dec. 26.

Estate Stove Company, The. (See Kahn, Bertrand B., assignor.)

Evans, Howard J. (See MacLean, A. D., Kindl, and Evans.)

Farr, Harold T., Cleveland, and R. A. Peterson, Cleveland Heights, Ohio. Aligning roll passes. 2,365,944; Dec. 26.

Faso, William J., Bayside, N. Y. Chuck. 2,365,810; Dec. 26.

Fassin, Gustave, Grosse Pointe, Mich., assignor to Argus, Incorporated. Rapid winding mechanism for roll film cameras. 2,365,690; Dec. 26.

Fast, John E., & Company. (See Kile, E. M., and Kain, assignors.)

Faxén, Per T. (See Wilkenson, E. A., and Faxén.)

Federal Telephone and Radio Corporation. (See Haigh, Leslie B., assignor.)

Ferderber, Murray B. (See Houghten, F. C., and Ferderber.)

Ferguson, William, Philadelphia, Pa., assignor to National Airoil Burner Company, Incorporated. Flame retention nozzle. 2,365,945; Dec. 26.

Ferro Nitrogen Corporation. (See Franchot, Richard, assignor.)

Finlayson, Frank E., Ontario, Calif., assignor to General Electric Company. Safety switching arrangement for electrically heated appliances. 2,366,014; Dec. 26.

Fischer, Friedriech C., De Witt, Nebr. Wrench. 2,366,015; Dec. 26.

Fleming, John D. (See Morrill, H. L., and Fleming.)

Fletcher, Maurice, assignor to Cadet Smokestands Company, Des Moines, Iowa. Ash receptacle. 2,365,946; Dec. 26.

Flint, Edward F., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Optical instrument. 2,366,016; Dec. 26.

Floraday, Burton S., Toledo, Ohio., assignor to Detroit Harvester Company, Detroit, Mich. Vehicle window guide and regulator assembly. 2,366,092; Dec. 26.

Flygare, Carl G., assignor to Norton Company, Worcester, Mass. Hydraulic table reciprocating mechanism. 2,365,811; Dec. 26.

Fodor, Ferenz H., Los Angeles, Calif. Apparatus for advancing filamentary material. 2,365,691; Dec. 26.

Folmer Graflex Corporation, The. (See Nadel, Louis D., assignor.)

Folmer Graflex Corporation, The. (See Steiner, Oscar, assignor.)

Food Machinery Corporation. (See Griffith, Clifford J., assignor.)

Food Machinery Corporation. (See Jones, Lloyd E., assignor.)

Food Machinery Corporation. (See Stevenson, J. W.)

Forbes, Joseph A., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Brake. 2,366,093; Dec. 26.

Forbes, Joseph A., Detroit, assignor to J. Sneed, Royal Oak, Mich. Brake. 2,366,094; Dec. 26.

Ford Motor Company. (See Zoerlein, E., McCloud, and Mickey, assignors.)

Fortune, Harold G., Lake Placid, N. Y. Cutting casts. 2,366,017; Dec. 26.

Fowler, Grace L., Oklahoma City, Okla. Dress shield. 2,366,095; Dec. 26.

Franchot, Richard, assignor to Ferro Nitrogen Corporation, Washington, D. C. Nitrogen-fixing blast furnace. 2,365,868; Dec. 26.

Frede, Charles F., University City, and E. C. Jackson, Clayton, Mo., assignors to General Steel Castings Corporation, Granite City, Ill. Railway truck. 2,365,692; Dec. 26.

Friend, Lloyd L., Jr., Pittsburgh, Pa. Luminescent lamp mounting. 2,365,812; Dec. 26.

Fry & Blackhall, Limited. (See Copeland, E. S., Porter, and Van Wyck, assignors.)

Fumia, Arthur. (See Wildhaber, E., Stewart, and Fumia.)

Ganson, Howard H., assignor to Hygeia Nursing Bottle Company, Inc., Buffalo, N. Y. Nursing bottle. 2,365,947; Dec. 26.

Gartin, Elmer G. (See Curtis, J. C., and Gartin.)

Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Drill steel centralizer. 2,365,681; Dec. 26.

Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Rock drill. 2,365,684; Dec. 26.

Garwood, William E., Springfield, Mass. Hydraulic testing machine. 2,365,693; Dec. 26.

Geigy, J. R., A. G. (See Grün, Adolf, assignor.)

General Electric Company. (See Alles, Curtis, Jr., assignor.)

General Electric Company. (See Alford, Joseph S., assignor.)

General Electric Company. (See Crago, Harry R., assignor.)

General Electric Company. (See D'Alelio, Gaetano F., assignor.)

General Electric Company. (See Finlayson, Frank E., assignor.)

General Electric Company. (See Livingston, Orrin W., assignor.)

General Electric Company. (See Pike, Carl L., assignor.)

General Electric Company. (See Schneider, Elbert D., assignor.)

General Electric Company. (See Shoults, David R., assignor.)

General Electric Company. (See Troy, Matthew O., assignor.)

General Electric X-Ray Corporation. (See Atlee, Zed J., assignor.)

General Steel Castings Corporation. (See Frede, C. F., and Jackson, assignors.)

General Steel Castings Corporation. (See Pflager, Harry M., assignor.)

Genter, Harold C. (See Sardeson, Robert, assignor.)

Gerber, Jack, Chicago, Ill. Arch support. 2,366,096; Dec. 26.

Gesell, Frank A., Belleville, N. J. Shoe horn. 2,366,097; Dec. 26.

Gibbs, Carlin F., Silver Lake, Ohio., assignor to The B. F. Goodrich Company, New York, N. Y. Antioxidant. 2,366,018; Dec. 26.

Gibson Refrigerator Company. (See Benson, Ralph L., assignor.)

Giddings, F. D. (See Sorensen, Andrew, assignor.)

Gille, Nils J., Sandviken, Sweden. Arrangement for fixing the position of the strap fittings on the ring of the snow hoop of a ski stick. 2,365,869; Dec. 26.

Gilliam, Leonard S. and T. D., Statesville, N. C. Convertible studio davenport. 2,366,098; Dec. 26.

Gilliam, Thomas D. (See Gilliam, Leonard S. and T. D.)

Glasman, A. L. (See May, Jean L., assignor.)

Gleason, C. Roy, and R. M. Small, assignors to Sealkote Corporation, Chicago, Ill. Producing molding compound. 2,365,753; Dec. 26.

Gleason Works. (See Wildhaber, E., Stewart, and Fumia, assignors.)

Gluesenkamp, Earl W., Centerville, Ohio, assignor to Monsanto Chemical Company. Treating fibrous products and product thereof. 2,365,813; Dec. 26.

Golden, Charles F., Denver, Ind. Plotting instrument. 2,366,019; Dec. 26.

Good, John N., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Control system. 2,366,020; Dec. 26.

Goodman Manufacturing Company. (See Wood, Frank J., assignor.)

Goodrich, B. F., Company, The. (See Antonson, John O., assignor.)

Goodrich, B. F., Company, The. (See Bayhi, M. J., and Lilja, assignors.)

Goodrich, B. F., Company, The. (See Gibbs, Carlin F., assignor.)

Goodrich, Robert B., Waterford, assignor of one-half to R. F. Steward, Meriden, Conn. Medicament compositions and preparing same. 2,365,694; Dec. 26.

Gossard, Charles M., assignor to Pangborn Corporation, Hagerstown, Md. Abrasive supply system. 2,365,948; Dec. 26.

Goudsmit, Johan L., Nijmegen, Netherlands; vested in the Alien Property Custodian. Producing floor coverings. 2,365,814; Dec. 26.

Gourse, Milton, Knoxville, Tenn. Jewelry. 2,365,870; Dec. 26.

Graenacher, Charles, Riehen, and R. Sallmann, Bottmingen, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Condensation products and preparing the same. 2,365,871; Dec. 26.

Gramelspacher, Clarence U., Jasper, Ind. Plywood barrel. 2,365,754; Dec. 26.

Gray, Alexander F., Savannah, Ga. Means for use in launching ships. 2,366,021; Dec. 26.

Gray, John D., Chicago, and K. W. Chapman, Clarendon Hills, Ill. Butcher tray trim. 2,366,099; Dec. 26.

Green, Jack L., Duncan, S. C. Dyeing booster. 2,366,100; Dec. 26.

Green, John L. (See Russell, Andrew C., assignor.)

Greene, Frank S., Cleveland, assignor to W. M. O'Neil, Cleveland Heights, Ohio. Signaling system. 2,365,949; Dec. 26.

Grice, Letcher O., U. S. Army, Washington, D. C. Closure for cans. 2,365,695; Dec. 26.

Griffith, Clifford J., Dimondale, Mich., assignor to Food Machinery Corporation, San Jose, Calif. Mast spray rig. 2,365,755; Dec. 26.

Grinnell Corporation. (See Loepsinger, Albert J., assignor.)

Griswold, Donald G., assignor to Clayton Manufacturing Company, Alhambra, Calif. Pressure responsive valve. 2,366,144, Dec. 26.

Grothey, Ivan W., assignor to Scott & Williams, Incorporated, Laconia, N. H. Yarn holding means. 2,366,101; Dec. 26.

Grubb, John C., Barberton, Ohio, assignor to The Babcock & Wilcox Company, Newark, N. J. Making laminated pressure vessels. 2,365,696; Dec. 26.

Grubb, John C., Barberton, Ohio, assignor to The Babcock & Wilcox Company, Newark, N. J. Welded product. 2,365,697; Dec. 26.

Grün, Adolf, assignor to the Swiss firm of J. R. Geigy A. G., Basel, Switzerland. P-oxazinylmethyl-benzodioxane and their manufacture. 2,366,102; Dec. 26.

Gunderson, Norris E., assignor to Layne-Northern Company, Incorporated, Mishawaka, Ind. Cleaning well screens. 2,365,872; Dec. 26.

Gurley, W. & L. E. (See Wilbur, D. A., assignor.)

Haase, Jorgen I., assignor to Wingfoot Corporation, Akron, Ohio. Building pneumatic tires. 2,365,815; Dec. 26.

Haefele, John W., Ridgewood, and J. McGavack, Leonia, N. J., assignors to United States Rubber Company, New York, N. Y. Obtaining rubber from goldenrod. 2,365,950; Dec. 26.

Hagopian, Charles H., New York, N. Y. Bubble gun. 2,366,103; Dec. 26.

Haigh, Leslie B., West Orange, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Rectifier and making the same. 2,365,698; Dec. 26.

Hall, Horace W., Newton, Mass. Lignocellulosic article and manufacture. 2,366,025; Dec. 26.

Hamilton, Walter A., Burbank, Calif., assignor to Douglas Aircraft Company, Inc. Aircraft control. 2,365,951; Dec. 26.

Handley, George F., Glendale, assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 2,366,022; Dec. 26.

Handley, George F., deceased, Glendale, by M. J. Handley, Yonkers, executrix, assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 2,366,023; Dec. 26.

Handley, George F., deceased, Glendale, by M. J. Handley, Yonkers, executrix, assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 2,366,024; Dec. 26.

Handley, Matilda J., executrix. (See Handley, George F.)

Hanson, Alden W., assignor to The Dow Chemical Company, Midland, Mich. Machine for making plastic helicoidal structures. 2,365,952; Dec. 26.

Happel, John, Brooklyn, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated. Regeneration of gasoline treating reagents. 2,366,104; Dec. 26.

Hardy Metal Specialties Inc. (See De Pasquale, J., and Westerman.)

Harris, John J., Chicago, Ill. Adhesive and making the same. 2,365,873; Dec. 26.

Harriss, Lloyd J., Kenilworth, and B. Lambers, Oak Park, Ill.; said Lambers assignor to said Harriss. Apparatus for making pies. 2,365,699; Dec. 26.

Hartwig, Herman H. (See Kuch, M. G., Petersen, Hartwig, and Livingston.)

Hastings Manufacturing Company. (See Phillips, Harold P., assignor.)

Hastings, Victor E., Los Angeles, Calif. Valveless steam distribution. 2,365,756; Dec. 26.

Hauton, Paul S., assignor to Scripto Manufacturing Company, Atlanta, Ga. Producing tubular members. 2,365,953; Dec. 26.

Hawes, George E., Bridgeport, Conn. Corset and the like. 2,366,026; Dec. 26.

Hayes, Clyde B., Saratoga Springs, and H. H. Thorpe, Tonawanda, assignors to Van Raalte Company, Inc., New York, N. Y. Stop means for textile machines. 2,366,105; Dec. 26.

Hearn, Richard B., Hollis, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Supervisory system for telegraph circuits. 2,365,816; Dec. 26.

Hebestreit, Herold H., Mio, Mich. Window sash. 2,365,954; Dec. 26.

Heigis, Henry E., West Orange, assignor to Specialties Development Corporation, Bloomfield, N. J. Emergency actuating system for fluid motors. 2,365,700; Dec. 26.

Heise, George W. (See Schumacher, E. A., and Heise.)

Helbush, Herman H. (See Wallace, Frank C., assignor.)

Hellgren, Gustaf H., Stockholm, Sweden. Computing machine. 2,365,874; Dec. 26.

Helmond, William F., Clinton, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,366,106; Dec. 26.

Helmond, William F., Clinton, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,366,107; Dec. 26.

Henderson, Paul. (See Mason, Heber R., assignor.)

Henke, Clyde O., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Detergent and wetting compositions. 2,366,027; Dec. 26.

Henke, Sally M., Brooklyn, N. Y. Lady's handbag. 2,365,817; Dec. 26.

Henry, Robert W., Bartlesville, Okla., assignor to Phillips Petroleum Company. Isomerization of hydrocarbons. 2,366,028; Dec. 26.

Herrick, Homer K., South Pasadena, and C. J. Horn, Arcadia, Calif., assignors to Stephens-Adamson Mfg. Co. Marine leg unloading apparatus. 2,365,818; Dec. 26.

Herrick, Homer K., South Pasadena, and C. J. Horn, Arcadia, Calif., assignors to Stephens-Adamson Mfg. Co. Truck support for heavy traveling machines. 2,365,819; Dec. 26.

Hersey, Arthur J., and C. L. Madden, Minneapolis, Minn. Cushioned journal box. 2,365,875; Dec. 26.

Heyne, Clarence A. (See Jackson, A. S., and Heyne.)

Hibbard, Robert L., deceased, Bellevue, assignor of one-half to W. K. Stamets, Mars, Pa.; S. C. Hibbard, R. L. Hibbard, Jr., and H. M. Junkin, executors. Machine tool. 2,365,820; Dec. 26.

Hibbard, Robert L., Jr., executor, et al. (See Hibbard, Robert L., assignor.)

Hibbard, Stewart C., executor, et al. (See Hibbard, Robert L., assignor.)

Hicks, Carl G., Chicago, Ill., assignor to M. T. and R. E. Williams. Cutting and looping springs. 2,365,876; Dec. 26.

Higgins, Frank W., assignor to Universal Winding Company, Cranston, R. I. Winding machine. 2,365,701; Dec. 26.

Hignett, Travis P., near Sheffield, Ala., assignor to Tennessee Valley Authority. Extracting alumina. 2,365,702; Dec. 26.

Hines, Claude M., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Propulsion and braking control system. 2,366,029; Dec. 26.

Hinkley, Ray A., and R. L. Meikle, assignors to Corning Glass Works, Corning, N. Y. Glass press. 2,365,955; Dec. 26.

Hitchins, William G., London, England. Construction of buildings. 2,366,108; Dec. 26.

Hitchins, William G., London, England. Wall and partition for buildings. 2,366,109; Dec. 26.

Hodge, John M., Munhall, and M. W. Lightner, Pittsburgh, Pa. Thermally hardening steel. 2,365,956; Dec. 26.

Hoelscher, William G., assignor to The American Tool Works Company, Cincinnati, Ohio. Device for resisting movement of the arm of a drill. 2,366,110; Dec. 26.

Holslag, Claude J., South Orange, assignor to Electric Arc, Inc., Newark, N. J. Electrical circuit controller. 2,365,957; Dec. 26.

Holslag, Claude J., South Orange, assignor to Electric Arc, Inc., Newark, N. J. Continuous arc welding system. 2,365,958; Dec. 26.

Hoppe, William, Longmeadow, and F. B. Roberts, West Springfield, assignors to National Bread Wrapping Machine Co., Springfield, Mass. Web registering device. 2,365,757; Dec. 26.

Horn, Charles J. (See Herrick, H. K., and Horn.)

Horn, Charles J., Arcadia, Calif., assignor to Stephens-Adamson Mfg. Co. Compensating counterbalance for booms and the like. 2,365,821; Dec. 26.

Horn & Hardart Baking Co. (See Baker, Raymond, Sr., assignor.)

Horstmann, Bevan G., Bath, assignor to The Sperry Gyroscope Company, Ltd., Brentford, England. Jamming clutch. 2,365,877; Dec. 26.

Horvath, Anthony G., assignor to The Dayton Pump & Mfg. Company, Dayton, Ohio. Nozzle for pump type fire extinguishers. 2,365,758; Dec. 26.

Horwedel, Charles R., Lakewood, Ohio, assignor to The American Steel and Wire Company of New Jersey. Stainless steel wire. 2,365,959; Dec. 26.

Hosiery Patents Inc. (See Weisbecker, Frank G., assignor.)

Houdaille-Hershey Corporation. (See Wohlfield, Frederick W., assignor.)

Houghten, Ferry C., and M. B. Ferderber, Pittsburgh, Pa. Inducing artificial fevers. 2,366,030; Dec. 26.

Howe, Louis H., Portland, Oreg. Lathe and shaper tool bit grinding gauge. 2,365,759; Dec. 26.

Howlett, John W., assignor to Wellworthy Piston Rings Limited, London, England. Machine for cutting a metal tubular member into rings. 2,365,760; Dec. 26.

Huff, Lyman C., assignor to Universal Oil Products Company, Chicago, Ill. Heat exchanger. 2,365,878; Dec. 26.

Hughes, Thomas P. (See Barton, C. H., and Hughes.)

Hunter, Joseph L., Riverside, Calif., assignor to Acme Steel Company, Chicago, Ill. Apparatus for coating strip material. 2,365,761; Dec. 26.

Hygeia Nursing Bottle Company. (See Ganson, Howard H., assignor.)

Industrial Exploitation Corp. (See Mackensen, William, assignor.)

Ingres, Jeannot G., Detroit, Mich., assignor to Automatic Shifters, Inc., Richmond, Va. Clutch or brake operating mechanism. 2,365,960; Dec. 26.

Ipatieff, Vladimir N. (See Pines, H., and Ipatieff.)

Jackson, Albert S., and C. A. Heyne, Wood River, Ill., assignors to Owens-Illinois Glass Company. Decorating apparatus. 2,365,961; Dec. 26.

Jackson, Edwin C. (See Frede, C. F., and Jackson.)

Jacobi, Emil R., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Brake. 2,366,111; Dec. 26.

Jahn, Edward J., Edwardsville, Ill., assignor to Shell Development Company, San Francisco, Calif. Alkylated cyclobutane carboxylic acid products and producing them. 2,365,703; Dec. 26.

James, Allan, Melbourne, Victoria, Australia. Underpants or shorts. 2,366,031; Dec. 26.

James, Bill Y., assignor of one-half to C. Y. James, Miami, Okla. Package wrapping. 2,365,704; Dec. 26.

James, Caroline Y. (See James, Bill Y., assignor.)

Jandasek, Joseph, Detroit, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind. Transmission. 2,365,879; Dec. 26.

Jasper, Hallie L., assignor to The La Resista Corset Company, Bridgeport, Conn. Foundation garment. 2,366,032; Dec. 26.

Jeri, Andrew, Brooklyn, assignor to Andrew Jeri Company, Inc., New York, N. Y. Applying temporary protective coatings. 2,365,705; Dec. 26.

Jeri, Andrew, Company. (See Jeri, Andrew, assignor.)

Johns, Henry S. and W. H., Cleveland Heights, Ohio. Conveying apparatus. 2,365,762; Dec. 26.

Johns-Manville Corporation. (See Pearce, Gale T., assignor.)

Johns, William H. (See Johns, Henry S. and W. H.)

Johnson Laboratories, Inc. (See Neighbors, Charles C., assignor.)

Johnson, Matthey & Company Limited. (See Box, E. R., and Kerridge, assignors.)

Johnson, Sixten I. (See Terry, C. B., and Johnson.)

Johnstone, Robert L., University City, Mo. Vibrator. 2,366,033; Dec. 26.

Jokel, William, Brooklyn, N. Y. Self-cleaning filter. 2,366,112; Dec. 26.

Jones, Lloyd E., Pasadena, assignor to Food Machinery Corporation, San Jose, Calif. Transverse sizer. 2,365,822; Dec. 26.

Joyce, John, Dorchester, Mass. Automobile signaling device. 2,365,823; Dec. 26.

Juelss, David, Brooklyn, N. Y., assignor to American Lead Pencil Company, Hoboken, N. J. Mechanical pencil. 2,365,880; Dec. 26.

Junkin, Hays M., executor, et al. (See Hibbard, Robert L., assignor.)

Kahn, Bertrand B., Cincinnati, assignor to The Estate Stove Company, Hamilton, Ohio. Stove. 2,365,881; Dec. 26.

Kahn, Samuel, Bridgeport, Conn., assignor to Manning, Maxwell & Moore, Incorporated, New York, N. Y. Pressure gauge. 2,365,962; Dec. 26.

Kain, Simon. (See Kile, E. M., and Kain.)

Kalb, Bernard J., and D. H. Wise, Houston, Tex.; said Wise assignor to said Kalb. Well logging device. 2,365,763; Dec. 26.

Kane & Roach, Inc. (See Kane, William E., assignor.)

Kane, William E., assignor to Kane & Roach, Inc., Syracuse, N. Y. Bending machine. 2,365,882; Dec. 26.

Kastner, Edward C., Fairlawn, assignor to The Akron Standard Mold Company, Akron, Ohio. Method and apparatus for stripping articles from molds. 2,365,764; Dec. 26.

Keesler, Kenneth N., Burbank, Calif., assignor to Consolidated Vultee Aircraft Corporation. Riveting device. 2,365,824; Dec. 26.

Keinath, George, Larchmont, N. Y. Temperature compensated condition responsive measuring system. 2,365,706; Dec. 26.

Keller, August, Dearborn, assignor to Motor State Products Company, Ypsilanti, Mich. Vehicle top. 2,365,765; Dec. 26.

Kellogg Company. (See Marshall, Donald E., assignor.)

Kellogg Switchboard and Supply Company. (See Bakker, Pier, assignor.)

Kellogg Switchboard and Supply Company. (See Donaldson, Harry J., assignor.)

Kelsey-Hayes Wheel Company. (See Forbes, Joseph A., assignor.)

Kelsey-Hayes Wheel Company. (See Jacobi, Emil R., assignor.)

Kerridge, Frank E. (See Box, E. R., and Kerridge.)

Kessler, Charles A., Plainfield, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Presser foot for sewing machines. 2,366,113; Dec. 26.

Ketchum, William R., Phoenix, Ariz. Apparatus for extracting and refining citrus fruit juices. 2,365,883; Dec. 26.

Kiehl, Harry R., assignor to Corning Glass Works, Corning, N. Y. Incandescent lamp assembly. 2,365,963; Dec. 26.

Kile, Eugene M., and S. Kain, assignors to John E. Fast & Company, Chicago, Ill. Condenser winding machine. 2,365,707; Dec. 26.

Kindl, Frederick H. (See MacLean, A. D., Kindl, and Evans.)

Kling, Ralph B. (See Chambers, E. G., Kling, and Seeley.)

Korpi, Karl J. (See Bradley, W. E., and Korpi.)

Kost, Harold W., Birmingham, assignor to Detroit Harvester Company, Detroit, Mich. Forming screw-receiving fasteners. 2,366,114; Dec. 26.

Kucera, Joseph B., Traer, Iowa. Vehicle. 2,365,884; Dec. 26.

Kuch, Martin G., W. C. Petersen, H. H. Hartwig, and N. G. Livingston, assignors to The Buckeye Traction Ditcher Company. Crane attachment for tractors. 2,366,115; Dec. 26.

Kvalnes, Donovan E., Penns Grove, N. J., and N. J. Letang, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of azo dyestuff. 2,366,034; Dec. 26.

Kyrides, Lucas P., Webster Groves, assignor to Monsanto Chemical Company, St. Louis, Mo. Production of N,N-dialkylamino alcohols. 2,365,825; Dec. 26.

Lambers, Bernard. (See Harris, L. J., and Lambers.)

Landen, William J., Arlington, Va., J. H. Church, Austin, Minn., and W. E. Thibodeau, Cleveland, Ohio. Projectile. 2,365,708; Dec. 26.

Landis Tool Company. (See Elberty, Robert S., Jr., assignor.)

Landon, Walter S., assignor to Detroit Lubricator Company, Detroit, Mich. Control means. 2,365,826; Dec. 26.

Lane, George W., Clifton, assignor to Van Vlaanderen Machine Co., Paterson, N. J. Tentering clip chain. 2,365,885; Dec. 26.

La Resista Corset Company, The. (See Jasper, Hallie L., assignor.)

Larmuth, John H., Upper Colwyn Bay, North Wales. Bobbin hoisting means of stranding and other machines. 2,366,145; Dec. 26.

Lauterbach, George E., Palisade, N. J. System and apparatus for detecting high and wide railroad cars and open top lading. 2,366,152; Dec. 26.

Layne-Northern Company. (See Gunderson, Norris E., assignor.)

Lederman, Edwin S., Birmingham, Ala. Corrective means for the human foot. 2,366,116; Dec. 26.

Le Febure Corporation. (See Nabholz, Orvie E., assignor.)

Lehmann, Herbert G., Wood-Ridge, N. J., assignor to Casco Products Corporation, Bridgeport, Conn. Projectable antenna. 2,365,886; Dec. 26.

Leonard, Ancel B., Bartlesville, Okla., assignor to Phillips Petroleum Company. Butane isomerization process. 2,366,117; Dec. 26.

Leone, Martin, Perth Amboy, N. J. Boat. 2,366,035; Dec. 26.

Letang, Nicholas J. (See Kvalnes, D. E., and Letang.)

Leverett, Miles C., and G. G. Wrightsman, Houston, Tex., assignors to Standard Oil Development Company. Producing oil. 2,366,036; Dec. 26.

Levier, John M., Anaheim, assignor to Oscar H. Levier, Arlington, Calif. Oil filter. 2,365,766; Dec. 26.

Levier, Oscar H. (See Levier, John M., assignor.)

Levine, Alfred D., Brookline, and A. Bosman, Revere, Mass. Shoe sole. 2,365,964; Dec. 26.

Libby, Sarah R., New Haven, Conn. Disposable head and face covering. 2,366,037; Dec. 26.

Liebert, Herman R., assignor to Wingfoot Corporation, Akron, Ohio. Rigid airship. 2,365,827; Dec. 26.

Lightner, Max W. (See Hodge, J. M., and Lightner.)

Lilja, Albert E. (See Bayhi, M. J., and Lilja.)

Lilja, Edgar D., assignor to Barber-Colman Company, Rockford, Ill. Condition control. 2,365,709; Dec. 29.

Lily-Tulip Cup Corporation. (See Terry, C. B., and Johnson, assignors.)

Lind, Theodore F., St. Paul, Minn. Box. 2,365,887; Dec. 26.

Linderfelt, Hal R., and C. E. Metheny, Oklahoma City, Okla. Tubing closure. 2,365,888; Dec. 26.

Linsley, Scott E., St. Paul, Minn. Treatment of sewage. 2,365,889; Dec. 26.

Littmann, Martin, assignor to Cutanit Limited, Buxton, England. Cutting tool. 2,365,965; Dec. 26.

Livak, John E., assignor to The Dow Chemical Company, Midland, Mich. Production of indole. 2,365,966; Dec. 26.

Livingston, Norman G. (See Kuch, M. G. Petersen, Hartwig, and Livingston.)

Livingston, Orrin W., Scotia, N. Y., assignor to General Electric Company. Electric valve control circuits. 2,366,038; Dec. 26.

Loepsniger, Albert J., assignor to Grinnell Corporation, Providence, R. I. Pipe hanger. 2,365,710; Dec. 26.

Loewy Engineering Company Limited, The. (See Mogiljanskij, Anatolij, assignor.)

Long, Bernard, Paris, France, assignor to The American Securit Company. Tempering glass. 2,365,967; Dec. 26.

Lotz, Rudolph W., et al., successor co-trustees. (See Cowles, Irving, assignor.)

Loud, John P., Cumberland, Md., assignor to Celanese Corporation of America. Concentration of acid solutions. 2,365,828; Dec. 26.

Luertzing, Paul R., Vineland, N. J. Method of and apparatus for forming hollow glass bodies. 2,366,118; Dec. 26.

Mackensen, William, New York, assignor to Industrial Exploitation Corp., Long Island City, N. Y. Shoe and outsole therefor. 2,366,039; Dec. 26.

MacLean, Allen D., Pittsburgh, F. H. Kindl, Wilkinsburg, and H. J. Evans, Export, assignors to Pittsburgh Equitable Meter Company, Pittsburgh, Pa. Automatic pressure loader. 2,365,713; Dec. 26.

Madden, Charles L. (See Hersey, A. J., and Madden.)

Magnusson, Folke G. R., Stockholm, Sweden. Continuous elevator. 2,365,714; Dec. 26.

Maiden Form Brassiere Company. (See Turrisi, Antonio, assignor.)

Majneri, Ludwig A., Grosse Pointe, assignor to The Warner Aircraft Corporation, Detroit, Mich. Fluid pressure control device. 2,366,119; Dec. 26.

Mallory, Marion, Detroit, Mich. Ignition system for internal-combustion engines. 2,365,768; Dec. 26.

Manning, Maxwell & Moore, Incorporated. (See Allen, Earle F., assignor.)

Manning, Maxwell & Moore, Incorporated. (See Kahn, Samuel, assignor.)

Mansell, Harvey, C. (See Crowe, R. K., and Mansell.)

Mansfield, Owen V., Babylon, N. Y., assignor to O. V. M. Products Corporation. Ball bearing. 2,366,120; Dec. 26.

Marshall, Donald E., assignor to Kellogg Company, Battle Creek, Mich. Oven. 2,365,769; Dec. 26.

Martin-Hurst, William F. F., Sunbury-on-Thames, England. Electrically controlled fluid-pressure operated motor. 2,366,121; Dec. 26.

Martin-Hurst, William F. F., Sunbury-on-Thames, England. Air supply system for aircraft fuel tanks and valves for use therein. 2,366,146. Dec. 26.

Mason, Heber R., assignor of one-fourth to P. Henderson, Washington, D. C. Carburetor. 2,365,968; Dec. 26.

Mather, Percy, and L. A. Mekler, assignors to Universal Oil Products Company, Chicago, Ill. Catalytic conversion of hydrocarbons. 2,365,893; Dec. 26.

Mattersdorf, Gustav, New York, N. Y. Friction brake. 2,365,715; Dec. 26.

Mattox, William J., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Isomerization of naphthenes. 2,365,894; Dec. 26.

Maurer, J. A., Inc. (See Maurer, John A., Jr., assignor.)

Maurer, John A., Jr., assignor to J. A. Maurer, Inc., New York, N. Y. Optical system. 2,366,040; Dec. 26.

Mavity, Julian M., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbons. 2,365,895; Dec. 26.

May, Jean L., Salt Lake City, assignor of one-half to A. L. Glasman and G. C. Buckle, Ogden, Utah. Typewriter reel. 2,366,147; Dec. 26.

McBean, Douglas M., Rochester, N. Y. Food dehydration. 2,365,890; Dec. 26.

McClevey, Presley E., Chicago, Ill. Constant communication device. 2,365,711; Dec. 26.

McCloud, John L. (See Zoerlein, E., McCloud, and Mickey.)

McCune, Joseph C., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Valve device. 2,366,044; Dec. 26.

McDonald, Hugh, assignor to Pillsbury Flour Mills Company, Minneapolis, Minn. Apparatus for bleaching flour. 2,365,767; Dec. 26.

McDonough, John J. (See Page, F. R., and McDonough.)

McGavack, John. (See Haefele, J. W., and McGavack.)

McKenna, James F. (See Olin, J. F., and McKenna.)

McKinney, Elsmere W., Cleveland Heights, assignor to W. H. Taylor, Mentor-on-the-Lake, Ohio. Slotting machine. 2,366,045; Dec. 26.

McLaughlin, Robert W., Jr., Bedford Village, assignor to American Houses, Inc., New York, N. Y. Grain bin. 2,365,891; Dec. 26.

McLeod, Roy D., assignor to Ross Operating Valve Company, Detroit, Mich. Speed control valve. 2,365,892; Dec. 26.

McNab, John G., Cranford, and C. J. Wilson and C. Winning, Westfield, N. J., assignors to Standard Oil Development Company. Lubricating oil composition. 2,365,712; Dec. 26.

Mears, Stowell W., New Canaan, assignor to Bridgeport Brass Company, Bridgeport, Conn. Humidifying apparatus. 2,365,829; Dec. 26.

Meikle, Robert L. (See Hinkley, R. A., and Meikle.)

Mekler, Lev A. (See Mather, P., and Mekler.)

Melchior, Norten C. (See Morris, R. C., and Melchior.)

Mercé, Pascual B., Montevideo, Uruguay. Steering of motor vehicles or any other kind of vehicle. 2,366,122; Dec. 26.

Metheny, Clyde E. (See Linderfelt, H. R., and Metheny.)

Metzner, Albert W., assignor to The Standard Register Company, Dayton, Ohio. Stationery. 2,365,716; Dec. 26.

Michel, Mathias, Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Control system. 2,365,896; Dec. 26.

Mickey, John A. (See Zoerlein, E., McCloud, and Mickey.)

Mighton, Charles J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Monohydric aliphatic nitroalcohol esters of unsaturated dicarboxylic acids. 2,365,717; Dec. 26.

Miller, Otto H., Union City, N. J. Boat operated by motive vehicle. 2,365,830; Dec. 26.

Mills Sales Company, Ltd. (See Bouterious, Arthur H., assignor.)

Minerals Separation North American Corporation. (See Cole, Allen T., assignor.)

Mogiljanskij, Anatolij, Bournemouth, England, assignor to The Loewy Engineering Company, Limited, London, England. Suspension of rolling mill rolls. 2,365,831; Dec. 26.

Monroe, Charles Z., Detroit, Mich., assignor to Sealdsweet Sales Association, Tampa, Fla. Fruit juice machine. 2,365,832; Dec. 26.

Monsanto Chemical Company. (See Gluesenkamp, Earl W., assignor.)

Monsanto Chemical Company. (See Kyrides, Lucas P., assignor.)
Monsanto Chemical Company. (See Morrill, H. L., and Fleming, assignors.)
Monsanto Chemical Company. (See Thomas, Charles A., assignor.)
Monsanto Chemical Company. (See Watt, Lynn A., assignor.)
Montclair Research Corporation. (See Rust, John B., assignor.)
Montgomery, Terryl B., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Motor control system. 2,366,148; Dec. 26.
Moore, Wiley T. U. S. Army, Laverne, Okla. Projectile. 2,365,718; Dec. 26.
Morehouse, Eugene M., Tujunga, Calif., assignor to Adel Precision Products Corp. Wire supporting clip. 2,366,041; Dec. 26.
Morgan Construction Company. (See O'Malley, Joseph M., assignor.)
Morgan, John D., South Orange, N. J., assignor to Cities Service Oil Company, New York, N. Y. Lubricants. 2,366,042; Dec. 26.
Morgan, Milton F., Shaker Heights, Ohio. Vibrating mill. 2,365,897; Dec. 26.
Morrill, Henry L., Clayton, and J. D. Fleming, assignors to Monsanto Chemical Company, St. Louis, Mo. Incorporating polychlorophenols in fiberboard. 2,365,833; Dec. 26.
Morris, Rupert C., and N. C. Melchior, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Solvent extraction process. 2,365,898; Dec. 26.
Morrison, Abraham, assignor to A. L. and I. Morrison. Detroit, Mich. Window sash balance. 2,365,969; Dec. 26.
Morrison, Annie L., et al. (See Morrison, Abraham, assignor.)
Morrison, Ida, et al. (See Morrison, Abraham, assignor.)
Motor State Products Company. (See Keller, August, assignor.)
Mounce, Whitman D., Houston, Tex., assignor to Standard Oil Development Company. Automatic gain adjusting device for reflection seismographs. 2,366,043; Dec. 26.
Muehter, Manfred W., Nutley, assignor to American District Telegraph Company, Jersey City, N. J. Signaling system. 2,365,719; Dec. 26.
Mueller-Cunradi, Martin. (See Uloth, R., and Mueller-Cunradi.)
Nabholz, Orvie E., Shellsburg, assignor to Le Febure Corporation, Cedar Rapids, Iowa. Tray. 2,366,123; Dec. 26.
Nadel, Louis D., assignor to The Folmer Graflex Corporation, Rochester, N. Y. Reflex camera synchronization. 2,365,899; Dec. 26.
Naken, Morris L., Chicago, Ill. Chest for silverware. 2,366,046; Dec. 26.
National Airoil Burner Company. (See Ferguson, William, assignor.)
National Bread Wrapping Machine Co. (See Hoppe, W., and Roberts, assignors.)
National Carbon Company. (See Schumacher, E. A., and Heise, assignors.)
National Folding Box Company. (See Williamson, Marshall I., assignor.)
Nebolsine, Ross, Seacliff, N. Y., Concrete ship. 2,365,770; Dec. 26.
Neighbors, Charles C., assignor to Johnson Laboratories, Inc., Chicago, Ill. High frequency core material and core. 2,365,720; Dec. 26.
Nerlinger, Ludwig F., Marshallton, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Coating a pigment and coating composition containing the treated pigment. 2,366,047; Dec. 26.
New Jersey Machine Corporation. (See Von Hofe, George W., assignor.)
Newkirk, Edgar D., Skaneateles, assignor to Abal Drilling Corporation, Syracuse, N. Y. Mast. 2,365,900; Dec. 26.
Norton Company. (See Flygare, Carl G., assignor.)
O. V. M. Products Corporation. (See Mansfield, Owen V., assignor.)
Ocean Salts (Products) Limited. (See Pickett, Francis N., assignor.)
Olin, John F., Grosse Ile, and J. F. McKenna, Wyandotte, Mich., assignors to Sharples Chemicals Inc., Philadelphia, Pa. Manufacture of aliphatic amines. 2,365,721; Dec. 26.
Olmsted, Lloyd W., Hawthorne, Calif. Fastening means. 2,365,834; Dec. 26.
Olson, Gordon L. (See Peterson, C. E., and Olson.)
Olson, Henning E., Brookfield, assignor to Bear Manufacturing Company, Rock Island, Ill. Wheel puller. 2,365,771; Dec. 26.
O'Malley, Joseph M., assignor to Morgan Construction Company, Worcester, Mass. Universal coupling. 2,365,772; Dec. 26.
O'Neil, William M. (See Greene, Frank S., assignor.)
Opalek, Charles, Brooklyn, N. Y. Door operating mechanism. 2,366,048; Dec. 26.
Osgood, Charles F., Claremont, N. H., assignor to Sullivan Machinery Company. Drill steel guide. 2,365,685; Dec. 26.
Osgood, Charles F., Claremont, N. H., assignor to Sullivan Machinery Company. Drill steel guide. 2,365,686; Dec. 26.
Osgood, Robert C., Claremont, N. H., assignor to Sullivan Machinery Company. Material handling apparatus. 2,365,773; Dec. 26.
O'Sullivan Rubber Company. (See Welch, Donald M., assignor.)
Owen, Frederick C., Fayetteville, N. C. Transformer. 2,365,722; Dec. 26.
Owens-Illinois Glass Company. (See Allen, Russell G., assignor.)
Owens-Illinois Glass Company. (See Allen, R. G., and Smith, assignors.)
Owens-Illinois Glass Company. (See Jackson, A. S., and Heyne, assignors.)
P. I. V. Chain Gears Limited. (See Abbott, Geoffrey J., assignor.)
Page, Frank R., Laconia, and J. J. McDonough, Belmont, assignors to Scott & Williams, Incorporated, Laconia, N. H. Knitting machine and operating same. 2,366,124; Dec. 26.
Paget, Win W., Michigan City, Ind., assignor to Sullivan Machinery Company. Drilling apparatus. 2,365,835; Dec. 26.
Paillard, E., et Cie S. A. (See Prezioso, Giuseppe, assignor.)
Pangborn Corporation. (See Gossard, Charles M., assignor.)
Pardee, Lloyd W., Lakewood, assignor to The Scott & Fetzer Company, Cleveland, Ohio. Suction cleaner. 2,366,125; Dec. 26.
Parnall Aircraft Limited. (See Draper, F. C., and Shaw, assignors.)
Parrott, Robert D. (See Wise, R. J., Ridings, and Parrott.)
Partridge, Robert I., Arcadia, Calif. Chip holder. 2,365,836; Dec. 26.
Payne, Claron R., and R. B. Seymour, Allentown, Pa., assignors to The Atlas Mineral Products Company, Mertztown, Pa. Resin composition and making the same. 2,366,049; Dec. 26.
Payne, Duncan S. (See Robertson, J. A., Payne, and Arendt.)
Peake, Abner J., Stockton, Calif. Pulverizing mill. 2,365,904; Dec. 26.
Pearce, Gale T., Somerville, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Method and apparatus for mineral wool manufacture. 2,365,970; Dec. 26.
Pederson, Oscar W. (See Dies, Charles A., assignor.)
Pelikan, John M., Chicago, Ill., assignor to The Union Switch and Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,365,837; Dec. 26.
Penerose, William F., Irvington, N. J., assignor to Empire Electric Brake Corporation. Electromagnetically actuated brake. 2,365,726; Dec. 26.
Perkins, Bertram T., Chicago, Ill. Fluid dispensing apparatus. 2,365,901; Dec. 26.
Perkins, Hiram A., Rochester, assignor to Setter Bros. Inc., Cattaraugus, N. Y. Candy stick machine. 2,365,838; Dec. 26.
Petersen, Walter C. (See Kuch, M. G., Petersen, Hartwig, and Livingston.)
Peterson, Conrad E., Auburndale, and G. L. Olson, Arlington, Mass. Tool support. 2,366,050; Dec. 26.
Peterson, Conrad E., Auburndale, and G. L. Olson, Arlington, Mass. Tool support. 2,366,051; Dec. 26.
Peterson, Robert A. (See Farr, H. T., and Peterson.)
Petty, Olive S. (See Binkley, Robert L., assignor.)
Pflager, Harry M., St. Louis, Mo., assignor to General Steel Castings Corporation, Granite City, Ill. Railway truck structure. 2,365,723; Dec. 26.
Pflager, Harry M., St. Louis, Mo., assignor to General Steel Castings Corporation, Granite City, Ill. Railway truck structure. 2,365,724; Dec. 26.
Phillips, Harold P., assignor to Hastings Manufacturing Company, Hastings, Mich. Regroove piston ring assembly and method. 2,365,725; Dec. 26.
Phillips Petroleum Company. (See Drennan, Harry E., assignor.)
Phillips Petroleum Company. (See Henry, Robert W., assignor.)
Phillips Petroleum Company. (See Leonard, Ancel B., assignor.)
Pickett, Francis N., Tenterden, assignor to Ocean Salts Products Limited, London, England. Production of magnesium hydroxide. 2,366,052; Dec. 26.
Pike, Carl L., East Saugus, Mass., assignor to General Electric Company. Dash damping system. 2,365,727; Dec. 26.
Pike, William W., Glendale, Ariz. Speed wrench. 2,365,839; Dec. 26.
Pillsbury Flour Mills Company. (See McDonald, Hugh, assignor.)
Pines, Herman, and V. N. Ipatieff, Riverside, assignors to Universal Oil Products Company, Chicago, Ill. Production of cycloolefinic hydrocarbons and aromatic hydrocarbons. 2,366,126; Dec. 26.
Pittsburgh Equitable Meter Company. (See MacLean, A. D., Kindl, and Evans, assignors.)
Pool, Clarence, Rivera, Calif. Retainer ring for packing. 2,365,774; Dec. 26.
Porter, David B. (See Copeland, E. S., Porter, and Van Wyck.)
Powers, Milton A., Detroit, Mich. Fabricating porous products. 2,365,902; Dec. 26.

Prezioso, Giuseppe, Yverdon, Switzerland, assignor to E. Paillard et Cie S. A. Paper end indicator for typewriters. 2,365,903; Dec. 26.
Procter & Gamble Company, The. (See Suter, Chester M., assignor.)
Procter and Gamble Company. (See Taylor, James E., assignor.)
Punte, William F., Passaic, N. J., assignor to Continental Can Company, Inc., New York, N. Y. Adhesive-applying apparatus. 2,365,775; Dec. 26.
Pure Oil Company, The. (See Agruss, M. S., and Schindler, assignors.)
Putter, Erich, Maplewood, assignor to Schering Corporation, Bloomfield, N. J. Container for implantation tablets. 2,366,053; Dec. 26.
Pye Limited. (See Bentley, Leslie F., assignor.)
Quincy Stove Manufacturing Company, The. (See Castle, B. F., and Wodell, assignors.)
Rachlin, Maurice, Flushing, N. Y. Making downspout hooks and article formed thereby. 2,365,971; Dec. 26.
Rachlin, Maurice, Flushing, N. Y. Making gutter circles. 2,365,972; Dec. 26.
Rachlin, Maurice, Flushing, N. Y. Interlocking gutter circle. 2,365,973; Dec. 26.
Rappl, Anton, assignor to Trico Products Corporation, Buffalo, N. Y. Window system. 2,366,127; Dec. 26.
Raymond, Albert L., Northfield, and E. F. Schroeder, Chicago, assignors to G. D. Searle & Co., Skokie, Ill. Iodo-sugar derivatives and preparing same. 2,365,776; Dec. 26.
Raymond, Albert L., Northfield, and E. F. Schroeder, Chicago, assignors to G. D. Searle & Co., Skokie, Ill. 6-iodo-d-galactose. 2,365,777; Dec. 26.
Redemske, Gustav, assignor to Amour and Company, Chicago, Ill. Treatment of sausages and sausage casings. 2,365,728; Dec. 26.
Reese, John D., Philadelphia, Pa. Dermatome. 2,366,054; Dec. 26.
Revere Camera Company. (See Briskin, Theodore S., assignor.)
Reynolds, Ellwood W., Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Bearing device. 2,365,840; Dec. 26.
Rheingans, William J., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Hydraulic turbine gate balancer. 2,365,905; Dec. 26.
Rider, Harry N., assignor to "Automatic" Sprinkler Company of America, Youngstown, Ohio. Automatic deluge sprinkler system. 2,365,906; Dec. 26.
Rider, Harry N., assignor to "Automatic" Sprinkler Company of America, Youngstown, Ohio. Gate valve with monitor. 2,365,907; Dec. 26.
Ridings, Garvice H. (See Wise, R. J., Ridings, and Parrott.)
Roberts, Franklin B. (See Hoppe, W., and Roberts.)
Roberts, William T. B., Leicester, England, assignor to United Shoe Machinery Corporation, Flemington, N. J. Lasting machine. 2,365,841; Dec. 26.
Robertshaw Thermostat Company. (See Eskin, Samuel G., assignor.)
Robertson, John A., Deerfield, D. S. Payne, Chicago, and B. F. Arendt, Park Ridge, assignors to United States Gypsum Company, Chicago, Ill. Roof structure. 2,366,149; Dec. 26.
Röhm & Haas Company. (See Bruson, Herman A., assignor.)
Rollman, Walter F., Cranford, N. J., assignor to Standard Oil Development Company. Coking process. 2,366,055; Dec. 26.
Root, Frank B., Montclair, N. J., assignor to Ellis-Foster Company. Chewing gum. 2,366,128; Dec. 26.
Rosenzweig, Siegfried, New York, N. Y. All-directional shock absorber. 2,365,842; Dec. 26.
Ross Operating Valve Company. (See McLeod, Roy D., assignor.)
Royal Typewriter Company. (See Handley, George F., assignor.)
Runnels, Garland D., Seattle, Wash. Cosmetic powder container and dispenser. 2,365,908; Dec. 26.
Russell, Andrew C., Shawnee, assignor of one-half to J. L. Green, Shawnee, Pottawatomie County, Okla. Carburetor. 2,366,056; Dec. 26.
Russell, Francis R., Elizabeth, N. J., assignor to Standard Oil Development Company. Coking hydrocarbon oil. 2,366,057; Dec. 26.
Rust, John B., Verona, N. J., assignor to Montclair Research Corporation. Water-soluble resinous products and process of making. 2,366,129; Dec. 26.
Ryder, Earle A., West Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Temperature control for aircraft instruments. 2,365,843; Dec. 26.
Sallmann, Richard. (See Graenacher, C., and Sallmann.)
Sands, Alexander J. (See Wildy, E. L., and Sands.)
Santon, Elliot A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Thread holder and remover for weft replenishing looms. 2,365,844; Dec. 26.
Sardeson, Robert, Minneapolis, Minn., assignor to H. C. Genter, Miami Beach, Fla. Food cooking device. 2,365,909; Dec. 26.
Schering Corporation. (See Putter, Erich, assignor.)
Schillinger, Willy A. (See Blair, W. P., and Schillinger.)
Schindler, Hans. (See Agruss, M. S., and Schindler.)
Schneider, Elbert D., Scotia, N. Y., assignor to General Electric Company. Electric valve time-delay relay. 2,366,060; Dec. 26.
Schnell, Steve, Kirkwood, assignor to Wagner Electric Corporation, St. Louis, Mo. Automatic brake shoe adjusting mechanism. 2,366,058; Dec. 26.
Schreiber, William, assignor to The Atlantic Refining Company, Philadelphia, Pa. Treatment of hydrocarbon oil. 2,365,974; Dec. 26.
Schroeder, Elmer F. (See Raymond, A. L., and Schroeder.)
Schumacher, Erwin A., Parma, and G. W. Heise, Rocky River, Ohio, assignors to National Carbon Company, Inc. Activated carbon catalyst bodies and their preparation and use. 2,365,729; Dec. 26.
Schunk, Fred A., Lincoln Park, N. J. Colostomy appliance. 2,366,059; Dec. 26.
Schwab, Martin C., Chicago, Ill. Mobile device for repelling the attack of enemy aircraft. 2,365,778; Dec. 26.
Schwab, Martin C., Chicago, Ill. Gas mask. 2,365,779; Dec. 26.
Schweda, Martin, St. Albans, N. Y. Roof gutter protecting device. 2,365,845; Dec. 26.
Schwinn, Frank W., Chicago, Ill. Folding handle bar for bicycles. 2,366,061; Dec. 26.
Scott & Fetzer Company, The. (See Pardee, Lloyd W., assignor.)
Scott & Williams, Incorporated. (See Bristow, Paul W., assignor.)
Scott & Williams, Incorporated. (See Grothey, Ivan W., assignor.)
Scott & Williams, Incorporated. (See Page, F. R., and McDonough, assignors.)
Scripto Manufacturing Company. (See Hauton, Paul S., assignor.)
Seaborne, Allever B., Staines, England. Quenching, washing, and silencing the exhaust emission from internal-combustion engines. 2,365,846; Dec. 26.
Sealdsweet Sales Association. (See Monroe, Charles Z., assignor.)
Sealkote Corporation. (See Gleason, R. C., and Small, assignors.)
Searle, G. D., & Co. (See Raymond, A. L., and Schroeder, assignors.)
Seeley, George A. (See Chambers, E. G., Kling, and Seeley.)
Sengenberger, Donald F., Waukegan, Ill., assignor to The American Steel and Wire Company of New Jersey. Machine for opening or lapping wire drawing dies and the like. 2,366,062; Dec. 26.
Setter Bros, Inc. (See Perkins, Hiram A., assignor.)
Seybold, Frederick W., Westfield, N. J. Automatic transmission. 2,366,063; Dec. 26.
Seyferle, William J., Cincinnati, Ohio. Adjustable foot structure. 2,365,730; Dec. 26.
Seymour, Raymond B. (See Payne, C. R., and Seymour.)
Shaff, Ernest H., Grand Haven, Mich., assignor to Bendix Products Corporation, South Bend, Ind. Carburetor. 2,365,910; Dec. 26.
Sharples Chemicals Inc. (See Olin, J. F., and McKenna, assignors.)
Shaw, John. (See Draper, F. C. and Shaw.)
Shell Development Company. (See Barton, C. H., and Hughes, assignors.)
Shell Development Company. (See Crake, Wilfred S. E., assignor.)
Shell Development Company. (See Jahn, Edward J., assignor.)
Shell Development Company. (See Morris, R. C., and Melchior, assignors.)
Shell Development Company. (See Souders, Mott, Jr., assignor.)
Sherwin-Williams Company, The. (See Yount, Clarence B., assignor.)
Shoults, David R., Schenectady, N. Y., assignor to General Electric Company. Aircraft turbine supercharger. 2,365,991; Dec. 26.
Sieb, Henry, Hammond, Ind. Book-sewing machine. 2,366,064; Dec. 26.
Sieurin, Oke S., Shrewsbury, Mass., assignor to The American Steel and Wire Company of New Jersey. Annealing platform. 2,366,065; Dec. 26.
Simmons, Leon E., Claremont, N. H., assignor to Sullivan Machinery Company. Cutter chain. 2,365,780; Dec. 26.
Simmons, Leon E., Claremont, N. H., assignor to Sullivan Machinery Company. Pivoted link chain. 2,365,911; Dec. 26.
Simmons, Leon E., Claremont, N. H., assignor to Sullivan Machinery Company. Cutter chain. 2,365,975; Dec. 26.
Simons, Lowell W., Tulsa, Okla. Camber and caster correction tool. 2,365,731; Dec. 26.
Sinclair Refining Company. (See Apgar, Frank A., assignor.)
Singer Manufacturing Company, The. (See Kessler, Charles A., assignor.)
Slavek, Frederick R., Woodside, N. Y. Machine for interfolding strips. 2,366,130; Dec. 26.
Slick, Edwin E., Pittsburgh, Pa. Manufacture of glassware. 2,366,066; Dec. 26.
Small, Robert M. (See Gleason, R. C., and Small.)
Smith, Charles B. (See Allen, R. G., and Smith.)

Smith, Frank M., Dearborn, Mich., assignor, by mesne assignments, to Consolidated Aircraft Corporation, San Diego, Calif. Spar structure for airplane wings. 2,365,781; Dec. 26.

Smith, Franklin E, South Dartmouth, Mass. Hose coupling. 2,366,067; Dec. 26.

Sneed, John. (See Forbes, Joseph A., assignor.)

Snow, Herbert C., Kalamazoo, assignor, by mesne assignments, to The Timken-Detroit Axle Company, Detroit, Mich. Control device for use on motor vehicles. 2,365,732; Dec. 26.

Society of Chemical Industry in Basle. (See Graenacher, C., and Sallmann, assignors.)

Socony-Vacuum Oil Company. (See Happel, John, assignor.)

Sohn, Jesse S., Leetsdale, Pa., assignor to American Bridge Company. Device for electrically contacting traveling welding rods. 2,366,068; Dec. 26.

Sorensen, Andrew, Windsor, assignor of one-half to F. D. Giddings, Larimer County, Colo. Telescope sight mounting. 2,365,976; Dec. 26.

Souders, Mott, Jr., Piedmont, assignor to Shell Development Company, San Francisco, Calif. Distillation process. 2,365,912; Dec. 26.

Spaulding, Morril B., Habana, Cuba. Tube cleaning head. 2,366,131; Dec. 26.

Specialties Development Corporation. (See Helgis, Henry E., assignor.)

Spector, Morris, assignor to Spector Patents, Inc., Chicago, Ill. Match book assembling mechanism. 2,365,733; Dec. 26.

Spector Patents, Inc. (See Spector, Morris, assignor.)

Sperry Gyroscope Company, Ltd., The. (See Horstmann, Bevan G., assignor.)

Sperry, Helen B., executrix. (See Sperry, Philmore F.)

Sperry, Philmore F., deceased, by H. B. Sperry, Chicago, Ill., executrix, assignor, by mesne assignments, to T. H., P. F., and J. Briskin. Film magazine ejecting mechanism. 2,366,153; Dec. 26.

Stafford, George T., Houston, Tex. Wire splicer. 2,366,132; Dec. 26.

Stamets, William K. (See Hibbard, Robert L., assignor.)

Standard Molding Corporation. (See Stigler, Robert G., assignor.)

Standard Oil Development Company. (See Boucher, Frank G., assignor.)

Standard Oil Development Company. (See Duncan, Gordon W., assignor.)

Standard Oil Development Company. (See Leverett, M. C., and Wrightsman, assignors.)

Standard Oil Development Company. (See McNab, J. G., Wilson, and Winning, assignors.)

Standard Oil Development Company. (See Mounce, Whitman D., assignor.)

Standard Oil Development Company. (See Rollman, Walter F., assignor.)

Standard Oil Development Company. (See Russell, Francis R., assignor.)

Standard Oil Development Company. (See Wasson, J. I., and Wilson, assignors.)

Standard Oil Development Company. (See Williams, Milton, assignor.)

Standard Register Company, The. (See Metzner, Albert W., assignor.)

Stein, Leo, Chicago, Ill. Flexible fastener for hand luggage. 2,366,069; Dec. 26.

Steiner, Oscar, assignor to The Folmer Graflex Corporation, Rochester, N. Y. Between-the-lens shutter synchronization. 2,365,847; Dec. 26.

Stenfors, Tor. Djursholm, Sweden. Typewriter provided with type wheel or type roller. 2,365,913; Dec. 26.

Stephens-Adamson Mfg. Co. (See Herrick, H. K., and Horn, assignors.)

Stephens-Adamson Mfg. Co. (See Horn, Charles J., assignor.)

Stevenson, Gladys, administratrix. (See Stevenson, James W.)

Stevenson, James W., deceased, by G. Stevenson, administratrix, Riverside, Calif., assignor to Food Machinery Corporation (Riverside Division). Box stack conveyer and elevator. 2,365,782; Dec. 26.

Steward, Roy F. (See Goodrich, Robert B., assignor.)

Stigler, Robert G., Harrison Township, Montgomery County, assignor to Standard Molding Corporation, Dayton, Ohio. Bottle carrier. 2,365,914; Dec. 26.

Stine, Samuel S., Lansdowne, and E. H. Beswick, Essington, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Punching apparatus. 2,365,977; Dec. 26.

Stokes, F. J., Machine Company. (See Strauss, William, assignor.)

Stone, Richard C., Brooklyn, N. Y. Convertible furniture set. 2,365,848; Dec. 26.

Strain, George H., Seaford, England. Apparatus for displacing pulverulent or broken material. 2,365,978; Dec. 26.

Strauss, Louis B., Manhattan Beach, N. Y. Making cloth or garments. 2,366,070; Dec. 26.

Strauss, William, Philadelphia, Pa., assignor to F. J. Stokes Machine Company. Loading device for molding presses. 2,365,849; Dec. 26.

Sullivan Machinery Company. (See Curtis, John C., assignor.)

Sullivan Machinery Company. (See Curtis, J. C., and Gartin, assignors.)

Sullivan Machinery Company. (See Gartin, Elmer G., assignor.)

Sullivan Machinery Company. (See Osgood, Charles F., assignor.)

Sullivan Machinery Company. (See Osgood, Robert C., assignor.)

Sullivan Machinery Company. (See Paget, Win W., assignor.)

Sullivan Machinery Company. (See Simmons, Leon E., assignor.)

Sullivan Machinery Company. (See Wineman, Wade H., assignor.)

Sunlite Fruit Juices Ltd. (See Willard, Ralph S., assignor.)

Suter, Chester M., Evanston, Ill., assignor to The Procter & Gamble Company, Cincinnati, Ohio. Sulphonation of branched chain olefins. 2,365,783; Dec. 26.

Suter, Chester M., Evanston, Ill., assignor to The Procter & Gamble Company, Cincinnati, Ohio. Condensation of olefin sulphonic acids with aromatic compounds. 2,366,133; Dec. 26.

Svenska Aeroplan Aktiebolaget. (See Wilkenson, E. A., and Faxén, assignors.)

Sworski, Stanley F., Minneapolis, Minn. Portable electric welding tool. 2,365,784; Dec. 26.

Taylor, James E., Louisville, Ky., assignor to The Procter and Gamble Company, Ivorydale, Ohio. Emulsifying agent and making same. 2,365,915; Dec. 26.

Taylor, William H. (See McKinney, Elsmere W., assignor.)

Teletype Corporation. (See Doré, Arthur J., assignor.)

Tench, John R., Croton-on-Hudson, N. Y. Channeled box like metallic structure. 2,365,850; Dec. 26.

Tennessee Valley Authority. (See Hignett, Travis P., assignor.)

Ter Horst, William P., Pompton Plains, N. J., assignor to United States Rubber Company, New York, N. Y. Fumigant. 2,365,979; Dec. 26.

Terry, Clifford B., Flushing, and S. I. Johnson, College Point, assignors to Lily-Tulip Cup Corporation, New York, N. Y. Mechanism for dispensing cups or the like. 2,365,916; Dec. 26.

Thibodeau, Wilfred E. (See Landen, W. J., Church, and Thibodeau.)

Thomas, Charles A., Montgomery County, Ohio, assignor to Monsanto Chemical Company. Production of oxygen containing hydrocarbons. 2,365,851; Dec. 26.

Thomas, Charles L., assignor to Universal Oil Products Company, Chicago, Ill. Isomerization of hydrocarbons. 2,365,017; Dec. 26.

Thomas, Pacific J., Wyoming, assignor to U. S. Textile Machine Company, Scranton, Pa. Mandrel. 2,365,980; Dec. 26.

Thomas, William D., Jr. (See Cook, E. W., and Thomas.)

Thompson, Harry H., assignor to Wingfoot Corporation, Akron, Ohio. Depigmentizing reclaimed rubber. 2,365,662; Dec. 26.

Thorpe, Howard H. (See Hayes, C. B., and Thorpe.)

Timken-Detroit Axle Company, The. (See Snow, Herbert C., assignor.)

Timken Roller Bearing Company, The. (See Edwards, Herbert C., assignor.)

Tindall, John B., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Production of chlorinated nitro hydrocarbons. 2,365,981; Dec. 26.

Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Fastening device. 2,365,785; Dec. 26.

Tinnerman Products, Inc. (See Tinnerman, George A., assignor.)

Torrese, Apollo, Philadelphia, Pa., assignor to A. P. de Sanno & Son, Inc. Strip cutter. 2,365,663; Dec. 26.

Trailer Company of America, The. (See Black, James J., assignor.)

Trico Products Corporation. (See Brooks, Harrison M., assignor.)

Trico Products Corporation. (See Rappl, Anton, assignor.)

Troensegaard, Gertrude, and M. J. Aicher, Pasadena, Calif. Curtain holdback. 2,365,664; Dec. 26.

Trofimov, Lev A., Willoughby, Ohio. Power apparatus for positioning gun turrets. 2,365,982; Dec. 26.

Tromp, Klaas F., Kerkrade, Limburg, Netherlands; vested in the Alien Property Custodian. Apparatus for separating solid in suspension medium. 2,365,734; Dec. 26.

Troy, Matthew O., Schenectady, N. Y., assignor to General Electric Company. Stationary induction apparatus. 2,366,071; Dec. 26.

Tucker Aircraft Corporation. (See Tucker, Preston T., assignor.)

Tucker, Preston T., Noblesville, Ind., and W. C. Casson, Birmingham, Mich.; said Tucker assignor to Tucker Aircraft Corporation. Gun control mechanism. 2,366,072; Dec. 26.

Tull, Robert H., Wilbraham, Mass., assignor to Westinghouse Electric Manufacturing Company, East Pittsburgh, Pa. Refrigeration apparatus. 2,365,786; Dec. 26.

Tutrisi, Antonio, assignor to Maiden Form Brassiere Company, Inc., New York, N. Y. Making stitched open work. 2,366,134; Dec. 26.

Tuttle, Eugene F., North Hollywood, assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Dimpling tool with interchangeable head. 2,365,918; Dec. 26.

Uloth, Robert, and M. Mueller-Cunradi, Ludwigshafen-on-the-Rhine, Germany; vested in the Alien Property Custodian. Agents suitable for improving lubricants. 2,365,919; Dec. 26.

Underwood Elliott Fisher Company. (See Helmond, William F., assignor.)

Union Bank of Chicago, Illinois, et al. (See Cowles, Irving, assignor.)

Union Oil Company of California. (See Bradley, W. E., and Korpi, assignors.)

Union Switch & Signal Company, The. (See Blosser, Herman G., assignor.)

Union Switch & Signal Company, The. (See Bone, Herbert L., assignor.)

Union Switch and Signal Company, The. (See Pelikan, John M., assignor.)

United Aircraft Corporation. (See Ryder, Earle A., assignor.)

United Aircraft Products, Inc. (See Culver, Merlyn M., assignor.)

United Shoe Machinery Corporation. (See Ashley, Merwin F., assignor.)

United Shoe Machinery Corporation. (See Roberts, William T. B., assignor.)

U. S. Bobbin & Shuttle Company. (See Connell, Daniel R., assignor.)

United States Gypsum Company. (See Robertson, J. A., Payne, and Arendt, assignors.)

United States Rubber Company. (See Haefele, J. W., and McGavack, assignors.)

United States Rubber Company. (See ter Horst, William P., assignor.)

United States Rubber Company. (See Wallace, Edward H., assignor.)

U. S. Textile Machine Company. (See Thomas, Pacific J., assignor.)

Universal Oil Products Company. (See Huff, Lyman C., assignor.)

Universal Oil Products Company. (See Mather, P., and Mekler, assignors.)

Universal Oil Products Company. (See Mattox, William J., assignor.)

Universal Oil Products Company. (See Mavity, Julian M., assignor.)

Universal Oil Products Company. (See Pines, H., and Ipatieff, assignors.)

Universal Oil Products Company. (See Thomas, Charles L., assignor.)

Universal Winding Company. (See Higgins, Frank W., assignor.)

Vallerie, John E., Norwalk, Conn. Engine cleaning and conditioning. 2,366,073; Dec. 26.

Vanderwerf, Leonard H., New York, N. Y. Method and apparatus for consuming bodies. 2,365,983; Dec. 26.

Van Norman Company. (See Curtis, Frank W., assignor.)

Van Raalte Company. (See Hayes, C. B., and Thorpe, assignors.)

Van Vlaanderen Machine Co. (See Lane, George W., assignor.)

Van Wyck, Walter. (See Copeland, E. S., Porter, and Van Wyck.)

Vaughn, Albert E., Los Angeles, Calif. Producing powder puffs. 2,365,920; Dec. 26.

Vaughn, Albert E., Los Angeles, Calif. Container for cosmetic powder. 2,365,921; Dec. 26.

Vaughn, Albert E., Los Angeles, Calif. Producing powder puffs. 2,365,922; Dec. 26.

Vernette, Lucien, Yonkers, N. Y. Swing. 2,366,135; Dec. 26.

Vickers-Armstrongs Limited. (See Wallis, Barnes N., assignor.)

Vogel, William E. (See West, Merle J., assignor.)

Von Hofe, George W., Bound Brook, N. J., assignor to New Jersey Machine Corporation, Hoboken, N. J. Machine for sealing boxes. 2,365,665; Dec. 26.

Wagner Electric Corporation. (See Schnell, Steve, assignor.)

Wakefield, Walter H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Thread holder for weft replenishing looms. 2,365,666; Dec. 26.

Wakefield, Walter H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Thread holder driven from take-up roll. 2,365,667; Dec. 26.

Wakefield, Walter H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Manually operable positively driven loom thread holder. 2,365,668; Dec. 26.

Waldstein, Jerome, Brooklyn, N. Y. Continuous flatwork laundering machine. 2,366,136; Dec. 26.

Wallace, Edward H., Detroit, Mich., assignor to United States Rubber Company, New York, N. Y. Making heat exchange tubes. 2,365,670; Dec. 26.

Wallace, Frank C., Los Angeles, assignor, by mesne assignments, to H. H. Helbush, Beverly Hills, Calif. Clamp. 2,365,787; Dec. 26.

Wallis, Barnes N., Weybridge, assignor to Vickers-Armstrongs Limited, London, England. Aircraft wing and other control surfaces of stressed-skin type. 2,365,669; Dec. 26.

Warburton, Christopher H., Carlisle, England. Production of syrup from farinaceous materials. 2,365,788; Dec. 26.

Ware, Charles M., Salt Lake City, Utah. Scale. 2,365,735; Dec. 26.

Warner Aircraft Corporation, The. (See Majneri, Ludwig A., assignor.)

Warner Company. (See Warner, Irving, assignor.)

Warner, Irving, Wilmington, Del., assignor to Warner Company, Philadelphia, Pa. Hydrating dolomitic or other relatively slow-slaking limes. 2,365,736; Dec. 26.

Warren, Jesse E., Mulvane, Kans. Pipe cleaning machine. 2,365,984; Dec. 26.

Wasson, Jones I., Union, and C. J. Wilson, Westfield, N. J., assignors to Standard Oil Development Company. Corrosion resistant composition. 2,366,074; Dec. 26.

Watt, Lynn A., Webster Groves, assignor to Monsanto Chemical Company, St. Louis, Mo. Protein-contnining plastic compositions and producing the same. 2,365,071; Dec. 26.

Weinschenk, Gosbert, Chicago, Ill. Postal card. 2,365,789; Dec. 26.

Weisbecker, Frank G., Glenside, assignor to Hosiery Patents Inc., Lansdale, Pa. Yarn guide means. 2,366,137; Welch, Donald M., assignor to O'Sullivan Rubber Company, Inc., Winchester, Va. Rubber heel. 2,366,138; Dec. 26.

Wellworthy Piston Rings Limited. (See Howlett, John W., assignor.)

Werts, Richard A. (See Armentrout, A. L., and Werts.)

Wesson, Alexander J. (See Ellis, G. H., and Wesson.)

West, Merle J., assignor to W. E. Vogel, Los Angeles, Calif. Conduit support. 2,365,985; Dec. 26.

Westerman, Alexander. (See De Pasquale, J., and Westerman.)

Western Electric Company. (See Chambers, E. G., Kling, and Seeley, assignors.)

Western Electric Company. (See Reynolds, Ellwood W., assignor.)

Western Union Telegraph Company, The. (See Wise, R. J., Ridings, and Parrott, assignors.)

Westinghouse Air Brake Company, The. (See Crittenden, Philip L., assignor.)

Westinghouse Air Brake Company, The. (See Good, John N., assignor.)

Westinghouse Air Brake Company, The. (See Hines, Claude M., assignor.)

Westinghouse Air Brake Company, The. (See McCune, Joseph C., assignor.)

Westinghouse Electric & Manufacturing Company. (See Stine, S. S., and Beswick, assignors.)

Westinghouse Electric & Manufacturing Company. (See Tull, Robert H., assignor.)

Weyandt, Carl S., Homer City, Pa. Weighing and feeding device. 2,366,075; Dec. 26.

White Cap Company. (See White, William P., assignor.)

White, William Pa., Glencoe, assignor to White Cap Company, Chicago, Ill. Package and closure. 2,365,737; Dec. 26.

Wilbur, Donald A., assignor to W. & L. E. Gurley, Troy, N. Y. Frequency indicating system. 2,366,076; Dec. 26.

Wildhaber, Ernest, and A. L. Stewart, Brighton, and A. Fumia, assignors to Gleason Works, Rochester, N. Y. Method and apparatus for dressing grinding wheels. 2,366,139; Dec. 26.

Wildy, Eric L., and A. J. Sands, Westminster, London, England. Die structure. 2,366,077; Dec. 26.

Wilkenson, Erik A. and P. T. Faxén, assignors to Svenska Aeroplan Aktiebolaget, Linkoping, Sweden. Pressure gauge of the aneroid type for pressure mesauring in gas or liquid. 2,365,923; Dec. 26.

Willard, Ralph S., Glendale, assignor to Sunlite Fruit Juices Ltd., Hollywood, Calif. Preserving fresh food products. 2,365,924; Dec. 26.

Williams, Alfred L. W., Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Relay. 2,365,738; Dec. 26.

Williams, Maurice T., et al. (See Hicks, Carl G., assignor.)

Williams, Milton, Houston, Tex., assignor to Standard Oil Development Company. Increasing oil production and decreasing water production of wells. 2,366,078; Dec. 26.

Williams, Ralph E., et al. (See Hicks, Carl G., assignor.)

Williamson, Marshall I., New York, N. Y., assignor to National Folding Box Company, New Haven, Conn. Container with collapsible closure. 2,365,739; Dec. 26.

Wilson, Carroll J. (See McNab, J. G., Wilson, and Winning.)

Wilson, Carroll J. (See Wasson, J. I., and Wilson.)

Wilson, Crawford L., Beckley, W. Va. Device for centering shafts, drills, or the like. 2,365,986; Dec. 26.

Wilson, George, Carlton, Oreg. Crop divider. 2,365,790; Dec. 26.

Wilson, John, Exhall, Coventry, England. Tool post. 2,366,079; Dec. 26.

Wineman, Wade H., Michigan City, Ind., assignor to Sullivan Machinery Company. Combined aftercooler and receiver. 2,365,791; Dec. 21.

Wingate, Thomas R., assignor to Dowty Equipment (Canada) Limited, Montreal, Quebec, Canada. Valve means for double-acting pumps. 2,366,080; Dec. 26.

Wingfoot Corporation. (See D'Ianni, James D., assignor.)

Wingfoot Corporation. (See Haase, Jorgen I., assignor.)
Wingfoot Corporation. (See Liebert, Herman R., assignor.)
Wingfoot Corporation. (See Thompson, Harry H., assignor.)
Winkel, Herbert C., Maywood, Ill. Mold. 2,365,740; Dec. 26.
Winning, Carl. (See McNab, J. G., Wilson, and Winning.)
Wise, David H. (See Kalb, B. J., and Wise.)
Wise, Raleigh J., Dunellen, G. H. Ridings, Summit, and R. D. Parrott, West New York, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. System and apparatus for facsimile telegraphy. 2,365,741; Dec. 26.
Wodell, William W. (See Castle, B. F., and Wodell.)
Wohfield, Frederick W., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Fender, fender construction, and assembly. 2,365,792; Dec. 26.
Wood, Frank J., Riverside, assignor to Goodman Manufacturing Company, Chicago, Ill. Reeling device. 2,366,081; Dec. 26.
Wood Newspaper Machinery Corporation. (See Caffrey, Charles S., assignor.)
Wrightsman, Gilbert G. (See Leverett, M. C., and Wrightsman.)
Young, Ray C. (See Asbill, C. M., Jr., and Young.)
Yount, Clarence B., Dayton, assignor to The Sherwin-Williams Company, Cleveland, Ohio. Spraying apparatus. 2,366,150; Dec. 26.
Zero Hour Bomb Company. (See Blair, W. P., and Schillinger, assignors.)
Zimmerman, James J., assignor to The Bonnot Company, Canton, Ohio. Metal saw and hydraulic control mechanism. 2,365,987; Dec. 26.
Zoerlein, Emil, J. L. McCloud, and J. A. Mickey, assignors to Ford Motor Company, Dearborn, Mich. Electrical distributor. 2,365,925; Dec. 26.
Zoerlein, Emil, J. L. McCloud, and J. A. Mickey, assignors to Ford Motor Company, Dearborn, Mich. Electrical distributor and composition thereof. 2,365,926; Dec. 26.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 26TH DAY OF DECEMBER, 1944

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Air conditioner, Self-contained. M. C. Terry and P. Komroff. Re. 22,584; Dec. 26.
Pantie construction. M. C. Fridolph. Re. 22,583; Dec. 26.

LIST OF DESIGN INVENTIONS

Airplane. O. F. Maycen. 139,860; Dec. 26.
Ash tray. F. Powell. 139,808–9; Dec. 26.
Bootee, Baby's. F. L. Bécard. 139,815; Dec. 26.
Bottle lifter. O. Taylor. 139,846; Dec. 26.
Bowl and holder, Combined soap. L. Bertisch. 139,816; Dec. 26.
Cabinet. E. J. Kump, Jr. 139,859; Dec. 26.
Can opener and gripping tool, Combined. P. A. Crandell. 139,840; Dec. 26.
Clothespin and hanger or similar article, Combined. S. R. Pine. 139,828; Dec. 26.
Compact. W. M. Emery. 139,841; Dec. 26.
Container and holder, Combined cigarette. J. C. Eubank. 139,819; Dec. 26.
Cover, Sash weight suspension pulley. J. Niedermeyer. 139,805; Dec. 26.
Desk unit, Combination. E. R. Posnack. 139,831–3; Dec. 26.
Drill and counterbore, Combined. L. A. Smith. 139,844; Dec. 26.
Extractor, Juice. H. J. Talge. 139,845; Dec. 26.
Faucet, Dispensing. F. C. Picut. 139,827; Dec. 26.
Food machine or similar article, Household. A. T. Deutsch. 139,848; Dec. 26.
Frame or similar article, Spectacle. I. Fishberger, H. Weinstein, and S. Levine. 139,820; Dec. 26.
Game board. L. N. Cheek. 139,801; Dec. 26.
Game board, Dart. H. E. Pease. 139,807; Dec. 26.
Handbag. L. C. Levine. 139,825; Dec. 26.
Hanger, Coat. E. S. Schneider. 139,843; Dec. 26.
Hobbyhorse. C. F. Brown. 139,800; Dec. 26.
Hood for aircraft or similar article, Transparent. I. M. Hoglin. 139,858; Dec. 26.
Jacket. Z. Golden. 139,851–7; Dec. 26.
Lace. C. Clarkson, Jr. 139,818; Dec. 26.
Lamp support. C. Sabiers. 139,836; Dec. 26.
Moistener. O. Kaub. 139,804; Dec. 26.
Nozzle, Shower spray. W. J. Frost. 139,822; Dec. 26.
Pen, Fountain. A. Winter. 139,839; Dec. 26.
Picture frame and clip, Combined. J. Tamis. 139,837; Dec. 26.
Pin, Brooch. C. L. Leonhardt. 139,824; Dec. 26.
Pin, Brooch. F. Powell. 139,834; Dec. 26.
Pin or similar article of jewelry. J. Walker. 139,813; Dec. 26.
Rack, Carpet display. C. E. Anderson. 139,814; Dec. 26.
Ring, Finger. R. T. Dieges. 139,849; Dec. 26.
Riveting hammer unit, Pneumatic. E. Forss. 139,821; Dec. 26.
Salt and pepper shaker, Combined. M. Groetsch and B. M. Sprague. 139,842; Dec. 26.
Sandal. C. F. Walker. 139,838; Dec. 26.
Spat. H. S. Rauh. 139,835; Dec. 26.
Spectacle case or similar article. E. Nathan. 139,826; Dec. 26.
Sterilizing device. F. J. Chandler and J. B. Paton. 139,817; Dec. 26.
Stove and grill or the like, Combined. A. B. Frenning. 139,850; Dec. 26.
Toy. J. L. Henry. 139,803; Dec. 26.
Toy animal blocks, Set of. E. Nudelman. 139,806; Dec. 26.
Tray or similar article, Letter. C. E. Jones. 139,823; Dec. 26.
Tricycle or similar article. H. G. Hanson. 139,802; Dec. 26.
Trimming or similar article, Embroidered. H. Tobler. 139,810–12; Dec. 26.
Valve check. C. Pool. 139,830; Dec. 26.
Violin or similar article. H. L. Miller. 139,861; Dec. 26.
Wallet. R. S. Berens. 139,847. Dec. 26.
Watch, Lapel fob. S. Plosky. 139,829; Dec. 26.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 26TH DAY OF DECEMBER, 1944

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive supply system. C. M. Gossard. 2,365,948; Dec. 26.
Accumulator. B. N. Ashton. 2,365,994; Dec. 26.
Acid products and producing them. Alkylated cyclobutane carboxylic. E. J. Jahn. 2,365,703; Dec. 26.
Acid solutions, Concentration of. J. P. Loud. 2,365,828; Dec. 26.
Acids and salts thereof, Wax substituted diaryl dithiophosphoric. E. W. Cook and W. D. Thomas, Jr. 2,365,938; Dec. 26.
Acids, Dihalo. J. D. D'Ianni. 2,365,808; Dec. 16.
Acids with aromatic compounds, Condensation of olefin sulphonic. C. M. Suter. 2,366,133; Dec. 26.
Actuating system for fluid motors, Emergency. H. E. Heigis. 2,365,700; Dec. 26.
Adhesive and making the same. J. J. Harris. 2,365,873; Dec. 26.
Adhesive-applying apparatus. W. F. Punte. 2,365,775; Dec. 26.
Aftercooler and receiver, Combined. W. H. Wineman. 2,365,791; Dec. 26.
Agents suitable for improving lubricants. R. Uloth and M. Mueller-Cunradi. 2,365,919; Dec. 26.
Aircraft control. W. A. Hamilton. 2,365,951; Dec. 26.
Aircraft turbine. J. S. Alford. 2,365,990; Dec. 26.
Aircraft turbine supercharger. D. R. Shoults. 2,365,991; Dec. 26.
Aircraft wing and other control surfaces of stressed-skin type. B. N. Wallis. 2,365,669; Dec. 26.
Airship, Rigid. H. R. Liebert. 2,365,827; Dec. 26.
Aliphatic amines, Manufacture of. J. F. Olin and J. F. McKenna. 2,365,721; Dec. 26.
Alumina, Extracting. T. P. Hignett. 2,365,702; Dec. 26.
Amplifier, Two-way. H. J. Donaldson. 2,366,011; Dec. 26.
Antenna, Projectable. H. G. Lehmann. 2,365,886; Dec. 26.
Anticorrosion agents. G. W. Duncan. 2,366,013; Dec. 26.
Anti-icing and engine cooling system for airplanes. L. Dewan. 2,366,089; Dec. 26.
Antioxidant. C. F. Gibbs. 2,366,018; Dec. 26.
Apparatus for advancing filamentary material. F. H. Fodor. 2,365,691; Dec. 26.
Apparatus for bleaching flour. H. McDonald. 2,365,767; Dec. 26.
Apparatus for coating strip material. J. L. Hunter. 2,365,761; Dec. 26.
Apparatus for displacing pulverulent or broken material. G. H. Strain. 2,365,978; Dec. 26.
Apparatus for extracting and refining citrus fruit juices. W. R. Ketchum. 2,365,883; Dec. 26.
Apparatus for handling shells and similar objects. M. J. Bayhi and A. E. Lilja. 2,365,930; Dec. 26.
Apparatus for making pies. L. J. Harriss and B. Lambers. 2,365,699; Dec. 26.
Apparatus for separating solid in suspension medium. K. F. Tromp. 2,365,734; Dec. 26.
Appliance for bending tubes, rods, and the like. F. C. Draper and J. Shaw. 2,366,012; Dec. 26.
Arc support. J. Gerber. 2,366,096; Dec. 26.
Arc welding system, Continuous. C. J. Holslag. 2,365,958; Dec. 26.
Arch support for shoes, Pneumatic or cushion. E. M. Dialynas. 2,365,807; Dec. 26.
Arrangement for fixing the position of the strap fittings on the ring of the snow hoop of a ski stick. N. J. Gille. 2,365,869; Dec. 26.
Article assembling apparatus. E. G. Chambers, R. B. Kling, and G. A. Seeley. 2,365,803; Dec. 26.
Ash receptacle. M. Fletcher. 2,365,946; Dec. 26.
Automatic gain adjusting device for reflection seismographs. W. D. Mounce. 2,366,043; Dec. 26.
Ball bearing. O. V. Mansfield. 2,366,120; Dec. 26.
Bar: *See*—
Grate bar.
Bar for bicycles, Folding handle. F. W. Schwinn. 2,366,061; Dec. 26.
Barrel, Plywood. C. U. Gramelspacher. 2,365,754; Dec. 26.
Bearing: *See*—
Ball bearing.
Bearing device. E. W. Reynolds. 2,365,840; Dec. 26.
Belt rack. A. R. Brothers. 2,366,085; Dec. 26.
Bending machine. W. E. Kane. 2,365,882; Dec. 26.
Bin, Grain. R. W. McLaughlin, Jr. 2,365,891; Dec. 26.
Bit: *See*—
Oil well drill bit.
Blade shrouding. R. C. Allen. 2,366,142; Dec. 26.
Boat. M. Leone. 2,366,035; Dec. 26.
Boat operated by motive vehicle. O. H. Miller. 2,365,830; Dec. 26.

Bobbin hoisting means of stranding and other machines. J. H. Larmuth. 2,366,145; Dec. 26.
Book-sewing machine. H. Sieb. 2,366,064; Dec. 26.
Bottle carrier. R. G. Stigler. 2,365,914; Dec. 26.
Bottle, Nursing. H. H. Ganson. 2,365,947; Dec. 26.
Box: *See*—
Cushioned journal box.
Box. T. F. Lind. 2,365,887; Dec. 26.
Boxlike metallic structure, Channeled. J. R. Tench. 2,365,850; Dec. 26.
Brake: *See*—
Electromagnetically actuated brake. Friction brake.
Brake. J. A. Forbes. 2,366,093; Dec. 26.
Brake. J. A. Forbes. 2,366,094; Dec. 26.
Brake. E. R. Jacobi. 2,366,111; Dec. 26.
Brake rigging and/or railway car truck. C. R. Busch. 2,365,744; Dec. 26.
Brake shoe adjusting mechanism, Automatic. S. Schnell. 2,366,058; Dec. 26.
Buildings, Construction of. W. G. Hitchins. 2,366,108; Dec. 26.
Butane isomerization process. A. B. Leonard. 2,366,117; Dec. 26.
Camber and caster correction tool. L. W. Simons. 2,365,731; Dec. 26.
Camera synchronization, Reflex. L. D. Nadel. 2,365,899; Dec. 26.
Candy stick machine. H. A. Perkins. 2,365,838; Dec. 26.
Carbon catalyst bodie and their preparation and use, Activated. E. A. Schumacher and G. W. Heise. 2,365,729; Dec. 26.
Carburetor. H. R. Mason. 2,365,968; Dec. 26.
Carburetor. A. C. Russell. 2,366,056; Dec. 26.
Carburetor. E. H. Shaff. 2,365,910; Dec. 26.
Card, Postal. G. Weinschenk. 2,365,789; Dec. 26.
Carton. N. Cantor. 2,365,863; Dec. 26.
Carrier: *See*—
Bottle carrier.
Casts, Cutting. H. G. Fortune. 2,366,017; Dec. 26.
Center-drilling device. K. W. Couse. 2,365,939; Dec. 26.
Centralizer, Drill steel. E. G. Gartin. 2,365,681; Dec. 26.
Chain: *See*—
Cutter chain. Tentering clip chain.
Pivoted link chain.
Chain. F. H. Dalrymple. 2,365,866; Dec. 26.
Change mechanism, Propeller pitch. H. D. Burkhalter, Jr. 2,365,676; Dec. 26.
Chest for silverware. M. I. Naken. 2,366,046; Dec. 26.
Chewing gum. F. B. Root. 2,366,128; Dec. 26.
Chimney coping. M. Albaugh. 2,365,854; Dec. 26.
Chip holder. R. L. Partridge. 2,365,836; Dec. 26.
Chuck. W. J. Faso. 2,365,810; Dec. 26.
Circle, Interlocking gutter. M. Rachlin. 2,365,973; Dec. 26.
Circuit: *See*—
Hydraulic circuit.
Circuits, Coded track. H. G. Blosser. 2,365,799; Dec. 26.
Clamp. B. A. Boggs. 2,365,925; Dec. 26.
Clamp. F. C. Wallace. 2,365,787; Dec. 26.
Cleaner: *See*—
Suction cleaner.
Clip: *See*—
Wire supporting clip.
Closure for cans. L. O. Grice. 2,365,695; Dec. 26.
Cloth or garments, Making. L. B. Strauss. 2,366,070; Dec. 26.
Clutch: *See*—
Jamming clutch.
Clutch or brake operating mechanism. J. G. Ingres. 2,365,960; Dec. 26.
Coating a pigment and coating composition containing the treated pigment. L. F. Nerlinger. 2,366,047; Dec. 26.
Coking process. W. F. Rollman. 2,366,055; Dec. 26.
Colostomy appliance. F. A. Schunk. 2,366,059; Dec. 26.
Communication device, Constant. P. E. McClevey. 2,365,711; Dec. 26.
Compass. E. G. Brockman. 2,366,000; Dec. 26.
Compressor. R. L. Benson. 2,365,673; Dec. 26.
Compressor valve. P. L. Crittenden. 2,365,004; Dec. 26.
Computing machine. G. H. Hellgren. 2,365,874; Dec. 26.
Concrete ship. R. Nebolsine. 2,365,770; Dec. 26.
Condensation products and preparing the same. C. Graenacher and R. Sallmann. 2,365,871; Dec. 26.
Condition control. E. D. Lilja. 2,365,709; Dec. 26.
Conduit support. M. J. West. 2,365,985; Dec. 26.
Consuming bodies, Method and apparatus for. L. H. Vanderwerf. 2,365,983; Dec. 26.

Container and dispenser, Cosmetic powder. G. D. Runnels. 2,365,908; Dec. 26.
Container for cosmetic powder. A. E. Vaughn. 2,365,921; Dec. 26.
Container for implantation tablets. E. Putter. 2,366,053; Dec. 26.
Container with collapsible closure. M. I. Williamson. 2,365,739; Dec. 26.
Containers, Making pressure. S. W. Alderfer. 2,366,141; Dec. 26.
Continuous press. J. W. Clerke. 2,365,804; Dec. 26.
Control device for use on motor vehicles. H. C. Snow. 2,365,732; Dec. 26.
Control means. W. S. Landon. 2,365,826; Dec. 26.
Control system. J. N. Good. 2,366,020; Dec. 26.
Control system. M. Michel. 2,365,896; Dec. 26.
Control unit for motion picture machines, Remote. A. H. Bouterious. 2,365,859; Dec. 26.
Conveyer and elevator, Box stack. J. W. Stevenson. 2,365,782; Dec. 26.
Conveying apparatus. H. S. and W. H. Johns. 2,365,762; Dec. 26.
Core material and core, High frequency. C. C. Neighbors. 2,365,720; Dec. 26.
Corrective means for the human foot. E. S. Lederman. 2,366,116; Dec. 26.
Corrosion resistant composition. J. I. Wasson and C. J. Wilson. 2,366,074; Dec. 26.
Corset and the like. G. E. Hawes. 2,366,026; Dec. 26.
Cotton-working machine. C. M. Asbill, Jr., and R. C. Young. 2,365,793; Dec. 26.
Counterbalance for booms and the like, Compensating. C. J. Horn. 2,365,821; Dec. 26.
Coupling: *See*—
Detachable hose coupling. Pipe coupling.
Hose coupling.
Covering. Disposable head and face. S. R. Libby. 2,366,037; Dec. 26.
Crane attachment for tractors. M. G. Kuch, W. C. Petersen, H. H. Hartwig, and N. G. Livingston. 2,366,115; Dec. 26.
Crop divider. G. Wilson. 2,365,790; Dec. 26.
Cushioned journal box. A. J. Hersey and C. L. Madden. 2,365,875; Dec. 26.
Cutter: *See*—
Strip cutter.
Cutter chain. L. E. Simmons. 2,365,780; Dec. 26.
Cutter chain. L. E. Simmons. 2,365,975; Dec. 26.
Cutting tool. M. Littmann. 2,365,965; Dec. 26.
Cycloolefinic hydrocarbons and aromatic hydrocarbons, Production of. H. Pines and V. N. Ipatieff. 2,366,126; Dec. 26.
Cylinder head of internal combustion engines. R. K. Crowe and H. C. Mansell. 2,366,005; Dec. 26.
Dash damping system. C. L. Pike. 2,365,727; Dec. 26.
Davenport, Convertible studio. L. S. and T. D. Gilliam. 2,366,098; Dec. 26.
Decorating apparatus. A. S. Jackson and C. A. Heyne. 2,365,961; Dec. 26.
Dermatome. J. D. Reese. 2,366,054; Dec. 26.
Detachable hose coupling. I. Cowles. 2,365,747; Dec. 26.
Detergent and wetting compositions. C. O. Wenke. 2,366,027; Dec. 26.
Device for centering shafts, drills, or the like. C. L. Wilson. 2,365,986; Dec. 26.
Device for electrically contacting traveling welding rods. J. S. Sohn. 2,366,068; Dec. 26.
Device for loading explosives in wells. W. P. Blair and W. A. Schillinger. 2,365,798; Dec. 26.
Device for resisting movement of the arm and a drill. W. G. Hoelscher. 2,366,110; Dec. 26.
Diaper. E. M. Carden. 2,366,002; Dec. 26.
Die structure. E. L. Wildy and A. J. Sands. 2,366,077; Dec. 26.
Dilution valve. M. M. Culver. 2,366,006; Dec. 26.
Distillation process. M. Souders, Jr. 2,365,912; Dec. 26.
Door operating mechanism. C. Opalek. 2,366,048; Dec. 26.
Drill: *See*—
Rock drill.
Drilling apparatus. W. W. Paget. 2,365,835; Dec. 26.
Driving band or chain. G. J. Abbott. 2,365,988; Dec. 26.
Dyeing booster. J. L. Green. 2,366,100; Dec. 26.
Dyeing of cellulose derivatives, Mordant. G. H. Ellis and A. J. Wesson. 2,365,809; Dec. 26.
Dyestuff, Production of azo. D. E. Kvalnes and N. J. Letang. 2,366,034; Dec. 26.
Earth drilling operations, Method for use in. R. L. Binkley. 2,365,858; Dec. 26.
Earth-moving machinery. J. S. Burns. 2,365,677; Dec. 26.
Electric valve control circuits. O. W. Livingston. 2,366,038; Dec. 26.
Electric valve time delay relay. E. D. Schneider. 2,366,060; Dec. 26.
Electrical circuit controller. C. J. Holslag. 2,365,957; Dec. 26.
Electrical distributor. E. Zoerlein, J. L. McCloud, and J. A. Mickey. 2,365,925; Dec. 26.
Electrical distributor and composition thereof. E. Zoerlein, J. L. McCloud, and J. A. Mickey. 2,365,926; Dec. 26.

Electrically controlled fluid-pressure operated motor. W. F. F. Martin-Hurst. 2,366,121; Dec. 26.
Electromagnetically actuated brake. W. F. Penerose. 2,365,726; Dec. 26.
Elevator, Continuous. F. G. R. Magnusson. 2,365,714; Dec. 26.
Emulsifying agent and making same. J. E. Taylor. 2,365,915; Dec. 26.
Emulsions, Breaking of crude oil. M. S. Agruss and H. Schindler. 2,365,853; Dec. 26.
Engine cleaning and conditioning. J. E. Vallerie. 2,366,073; Dec. 26.
Esters of unsaturated dicarboxylic acids, Monohydric aliphatic nitroalcohol. C. J. Mighton. 2,365,717; Dec. 26.
Fastener for hand luggage, Flexible. L. Stein. 2,366,069; Dec. 26.
Fastening device. G. A. Tinnerman. 2,365,785; Dec. 26.
Fastening means. L. W. Olmsted. 2,365,834; Dec. 26.
Feeder. L. M. Bufton. 2,365,862; Dec. 26.
Fender, fender construction, and assembly. F. W. Wohlfield. 2,365,792; Dec. 26.
Fevers, Inducing artificial. F. C. Houghten and M. B. Ferderber. 2,366,030; Dec. 26.
Fibrous products and product thereof, Treating. E. W. Gluesenkamp. 2,365,813; Dec. 26.
Film magazine ejecting mechanism. P. F. Sperry. 2,366,153; Dec. 26.
Filter: *See*—
Oil filter. Self-cleaning filter.
Flame retention nozzle. W. Ferguson. 2,365,945; Dec. 26.
Flatwork laundering machine, Continuous. J. Waldstein. 2,366,136; Dec. 26.
Floor coverings, Treating. J. L. Goudsmit. 2,365,814; Dec. 26.
Fluid dispensing apparatus. B. T. Perkins. 2,365,901; Dec. 26.
Fluid pressure control device. L. A. Majneri. 2,366,119; Dec. 26.
Food cooking device. R. Sardeson. 2,365,909; Dec. 26.
Food dehydration. D. M. McBean. 2,365,890; Dec. 26.
Food products, Preserving fresh. R. S. Willard. 2,365,924; Dec. 26.
Foot structure, Adjustable. W. J. Seyfferle. 2,365,730; Dec. 26.
Forging apparatus. G. P. Benes. 2,365,857; Dec. 26.
Frequency indicating system. D. A. Wilbur. 2,366,078; Dec. 26.
Friction brake. G. Mattersdorf. 2,365,715; Dec. 26.
Fruit and vegetable juices, Preserving. N. M. H. Blumenkranz. 2,365,674; Dec. 26.
Fruit juice machine. C. Z. Monroe. 2,365,832; Dec. 26.
Fumigant. W. P. ter Horst. 2,365,979; Dec. 26.
Furnace: *See*—
Pipe heating furnace.
Furnaces, Nitrogen-fixing blast. R. Franchot. 2,365,868; Dec. 26.
Furniture set, Convertible. R. C. Stone. 2,365,848; Dec. 26.
Garment, Foundation. H. L. Jasper. 2,366,032; Dec. 26.
Gas mask. M. C. Schwab. 2,365,779; Dec. 26.
Gasoline treating reagents, Regeneration of. J. Happel. 2,366,104; Dec. 26.
Gate balancer, Hydraulic turbine. W. J. Rheingans. 2,365,905; Dec. 26.
Gauge: *See*—
Pressure gauge.
Glass press. R. A. Hinkley and R. L. Meikle. 2,365,955; Dec. 26.
Glassware, Manufacture of. E. E. Slick. 2,366,066; Dec. 26.
Grate bar. A. E. Binder. 2,365,933; Dec. 26.
Grinding wheels, Method and apparatus for dressing. E. Wildhaber and A. L. Stewart. 2,366,139; Dec. 26.
Guide and regulator assembly, Vehicle window. B. S. Floraday. 2,366,092; Dec. 26.
Gun, Bubble. C. H. Hagopian. 2,366,103; Dec. 26.
Gun control mechanism. P. T. Tucker and W. C. Casson. 2,366,072; Dec. 26.
Gutter circles, Making. M. Rachlin. 2,365,972; Dec. 26.
Handbag, Lady's. S. M. Henke. 2,365,817; Dec. 26.
Hanger: *See*—
Pipe hanger.
Harvester, Maize. S. Belfer. 2,365,997; Dec. 26.
Heat exchange tubes, Making. E. H. Wallace. 2,365,670; Dec. 26.
Heat exchanger. L. C. Huff. 2,365,878; Dec. 26.
Heat exchanger assembly. C. L. Dewey. 2,365,688; Dec. 26.
Heating and cooling, Means for. F. R. Bichowsky. 2,365,797; Dec. 26.
Heating material to perform machining operations thereon, Method and apparatus for. L. F. Bentley. 2,365,998; Dec. 26.
Heating stove. H. R. Blumstengel. 2,365,675; Dec. 26.
Heating system. H. R. Crago. 2,366,003; Dec. 26.
Heel, Rubber. D. M. Welch. 2,366,138; Dec. 26.
Holdback, Curtain. G. Troensegaard and M. J. Aicher. 2,365,664; Dec. 26.
Holder: *See*—
Chip holder.
Holder and remover for weft replenishing looms, Thread. E. A. Santon. 2,365,844; Dec. 26.

Hollow glass bodies, Method of and apparatus for forming. P. R. Luertzing. 2,366,118; Dec. 26.
Hooks and article formed thereby, Making downspout. M. Rachlin. 2,365,971; Dec. 26.
Hose coupling. F. E. Smith. 2,366,067; Dec. 26.
Humidifying apparatus. S. W. Mears. 2,365,829; Dec. 26.
Hydrating dolomitic or other relatively slow-slaking limes. I. Warner. 2,365,736; Dec. 26.
Hydraulic circuit. F. W. Curtis. 2,365,748; Dec. 26.
Hydraulic testing machine. W. E. Garwood. 2,365,693; Dec. 26.
Hydrocarbon oils, Hydrogenating. H. E. Drennan. 2,365,751; Dec. 26.
Hydrocarbons, Alkylation of isoparaffinic. W. E. Bradley and K. J. Korpi. 2,365,860; Dec. 26.
Hydrocarbons, Catalytic conversion of. P. Mather and L. A. Mekler. 2,365,893; Dec. 26.
Hydrocarbons, Isomerization of. R. W. Henry. 2,366,028; Dec. 26.
Hydrocarbons, Isomerization of. C. L. Thomas. 2,365,917; Dec. 26.
Hydrocarbons, Treatment of. J. M. Mavity. 2,365,895; Dec. 26.
Ignition system for internal-combustion engines. M. Mallory. 2,365,768; Dec. 26.
Implement guide, Drilling. J. C. Curtis. 2,365,687; Dec. 26.
Incandescent lamp assembly. H. R. Kiehl. 2,365,963; Dec. 26.
Inclinometer, Borehole. F. G. Boucher. 2,365,999; Dec. 26.
Indicator for typewriter, Paper end. G. Prezioso. 2,365,903; Dec. 26.
Indole, Production of. J. E. Livak. 2,365,966; Dec. 26.
Inertia damping arrangement for measuring instruments. L. Dewan. 2,365,806; Dec. 26.
Injector, Fuel. H. C. Edwards. 2,365,752; Dec. 26.
Integrator. J. L. Christmann. 2,365,937; Dec. 26.
Internal-combustion engines, Quenching, washing, and silencing the exhaust emission from. A. B. Seaborne. 2,365,846; Dec. 26.
Iodo-sugar derivatives and preparing same. A. L. Raymond and E. F. Schroeder. 2,365,776; Dec. 26.
Jamming clutch. B. G. Horstmann. 2,365,877; Dec. 26.
Jewelry. M. Gourse. 2,365,870; Dec. 26.
Knitting machine. E. Brooksby and F. E. Deans. 2,366,001; Dec. 26.
Knitting machine and method. P. W. Bristow. 2,365,801; Dec. 26.
Knitting machine and operating same. F. R. Page and J. J. McDonough. 2,366,124; Dec. 26.
Lasting machine. W. T. B. Roberts. 2,365,841; Dec. 26.
Lathe and shaper tool bit grinding gauge. L. H. Howe. 2,365,759; Dec. 26.
Lignocellulosic article and manufacture. H. W. Hall. 2,366,025; Dec. 26.
Loading device for molding presses. W. Strauss. 2,365,849; Dec. 26.
Loom thread holder, Manually operable positively driven. W. H. Wakefield. 2,365,668; Dec. 26.
Lubricants. J. D. Morgan. 2,366,042; Dec. 26.
Luminescent lamp mounting. L. L. Friend, Jr. 2,365,812; Dec. 26.
Machine for blowing hollow glassware. R. G. Allen and C. B. Smith. 2,365,929; Dec. 26.
Machine for cutting a metal tubular member into rings. J. W. Howlett. 2,365,760; Dec. 26.
Machine for forming screw threads in caps or closures. D. R. Connell. 2,365,746; Dec. 26.
Machine for making plastic helicoidal structures. A. W. Hanson. 2,365,952; Dec. 26.
Machine for molding solder bars. C. E. Burke. 2,365,743; Dec. 26.
Machine for opening or lapping wire drawing dies and the like. D. F. Sengenberger. 2,366,062; Dec. 26.
Machine for sealing boxes. G. W. Von Hofe. 2,365,665; Dec. 26.
Machine tool. R. L. Hibbard. 2,365,820; Dec. 26.
Magnesium hydroxide, Production of. F. N. Pickett. 2,366,052; Dec. 26.
Mandrel. P. J. Thomas. 2,365,980; Dec. 26.
Marine leg unloading apparatus. H. K. Herrick and C. J. Horn. 2,365,818; Dec. 26.
Marking instrument. S. C. Browse. 2,365,802; Dec. 26.
Mast. E. D. Newkirk. 2,365,900; Dec. 26.
Match book assembling mechanism. M. Spector. 2,365,733; Dec. 26.
Material handling apparatus. R. C. Osgood. 2,365,773; Dec. 26.
Measuring system. Temperature compensated condition. G. Keinath. 2,365,706; Dec. 26.
Mechanism for dispensing cups or the like. C. B. Terry and S. I. Johnson. 2,365,916; Dec. 26.
Medicament compositions and preparing same. R. B. Goodrich. 2,365,694; Dec. 26.
Mill: *See*—
Pulverizing mill. Vibrating mill.
Mineral wool manufacture, Method and apparatus for. G. T. Pearce. 2,365,970; Dec. 26.
Mobile device for repelling the attack of enemy aircraft. M. C. Schwab. 2,365,778; Dec. 26.
Mold. H. C. Winkel. 2,365,740; Dec. 26.
Mold carrying mechanism. R. G. Allen. 2,365,928; Dec. 26.
Molding compound, Producing. C. R. Gleason and R. M. Small. 2,365,753; Dec. 26.
Molds, Method and apparatus for stripping articles from. E. C. Kastner. 2,365,764; Dec. 26.
Motor: *See*—
Electrically controlled fluid-pressure operated motor.
Motor control system. T. B. Montgomery. 2,366,148; Dec. 26.
Mounting: *See*—
Luminescent lamp mounting. Telescope sight mounting.
Mounting device. C. Ailes, Jr. 2,365,989; Dec. 26.
Naphthenes, Isomerization of. W. J. Mattox. 2,365,894; Dec. 26.
Nitro hydrocarbons, Production of chlorinated. J. B. Tindall. 2,365,981; Dec. 26.
N, N-dialkylamino alcohols, Production of. L. P. Kyrides. 2,365,825; Dec. 26.
Nozzle for pump type fire extinguishers. A. G. Horvath. 2,365,758; Dec. 26.
Oil burning device. B. F. Castle and W. W. Wodell. 2,365,745; Dec. 26.
Oil, Coking hydrocarbon. F. R. Russell. 2,366,057; Dec. 26.
Oil composition, Lubricating. J. G. McNab, C. J. Wilson, and C. Winning. 2,365,712; Dec. 26.
Oil filter. J. M. Levier. 2,365,766; Dec. 26.
Oil, Producing. M. C. Leverett and G. G. Wrightsman. 2,366,036; Dec. 26.
Oil production and decreasing water production of wells, Increasing. M. Williams. 2,366,078; Dec. 26.
Oil, Treatment of hydrocarbon. W. Schreiber. 2,365,974; Dec. 26.
Oil well drill bit. W. S. E. Crake. 2,365,941; Dec. 26.
Oils, Lubricating. C. H. Barton and T. P. Hughes. 2,365,856; Dec. 26.
Oils, Process and reagent for demulsifying. M. S. Agruss and H. Schindler. 2,365,852; Dec. 26.
Oils, Refining. F. A. Apgar. 2,365,993; Dec. 26.
Olefins. Sulphonation of branched chain. C. M. Suter. 2,365,783; Dec. 26.
Open work, Making stitched. A. Turrisi. 2,366,134; Dec. 26.
Optical instrument. E. F. Flint. 2,366,016; Dec. 26.
Optical system. J. A. Maurer, Jr. 2,366,040; Dec. 26.
Ores, Concentration of sylvinite. A. T. Cole. 2,365,805; Dec. 26.
Oven. W. F. Butler. 2,365,678; Dec. 26.
Oven. D. E. Marshall. 2,365,769; Dec. 26.
Oxygen containing hydrocarbons, Production of. C. A. Thomas. 2,365,851. Dec. 26.
P-oxazinylmethyl-benzodioxane and their manufacture. A. Grün. 2,366,102; Dec. 26.
Package and closure. W. P. White. 2,365,737; Dec. 26.
Package wrapping. B. Y. James. 2,365,704; Dec. 26.
Panel, Long span, continuous bar, moment resisting, reticulated grating. C. O. Emerson. 2,366,151; Dec. 26.
Pencil, Mechanical. D. Juelss. 2,365,880; Dec. 26.
Photographic sensitive material, Manufacture and production of. E. R. Box and F. E. Kerridge. 2,366,083; Dec. 26.
Pipe cleaning machine. J. E. Warren. 2,365,984; Dec. 26.
Pipe coupling. C. A. Dies. 2,366,010; Dec. 26.
Pipe hanger. A. J. Loepsinger. 2,365,710; Dec. 26.
Pipe heating furnace. J. L. Coody. 2,366,088; Dec. 26.
Piston ring assembly and method, Regroove. H. P. Phillips. 2,365,725; Dec. 26.
Pivoted link chain. L. E. Simmons. 2,365,911; Dec. 26.
Plastic compositions and producing the same, Protein-containing. L. A. Watt. 2,365,671; Dec. 26.
Platform, Annealing. O. S. Sieurin. 2,366,065; Dec. 26.
Plotting instrument. C. F. Golden. 2,366,019; Dec. 26.
Polyamide fabrics. Finishing of. E. B. Benger. 2,365,931; Dec. 26.
Poly-B-cyanoethyl indene as an insecticide. H. A. Bruson. 2,365,936; Dec. 26.
Polychlorophenols in fiberboard, Incorporating. H. L. Morrill and J. D. Fleming. 2,365,833; Dec. 26.
Polymeric compositions comprising aminated polymerizates of poly-vinyl aryl compounds and treatment of liquid media therewith, Production of synthetic. G. F. D'Alelio. 2,366,008; Dec. 26.
Polymeric compositions comprising sulphonated polymerizates of poly-vinyl aryl compounds and treatment of liquid media therewith, Production of synthetic. G. F. D'Alelio. 2,366,007; Dec. 26.
Porous products, Fabricating. M. A. Powers. 2,365,902; Dec. 26.
Portable electric welding tool. S. F. Sworski. 2,365,784; Dec. 26.
Post, Tool. J. Wilson. 2,366,079; Dec. 26.
Powder puffs, Producing. A. E. Vaughn. 2,365,920; Dec. 26.
Powder puffs, Producing. A. E. Vaughn. 2,365,922; Dec. 26.
Power apparatus for positioning gun turrets. L. A. Trofimov. 2,365,982; Dec. 26.

Press: *See*—
Continuous press. Glass press.
Presser foot for sewing machines. C. A. Kessler. 2,366,113; Dec. 26.
Pressure gauge. S. Kahn. 2,365,962; Dec. 26.
Pressure gauge of the aneroid type for pressure measuring in gas or liquid. E. A. Wilkenson and P. T. Faxén. 2,365,923; Dec. 26.
Pressure loader, Automatic. A. D. MacLean, F. H. Kindl, and H. J. Evans. 2,365,713; Dec. 26.
Pressure responsive valve. D. G. Griswold. 2,366,144; Dec. 26.
Pressure tank. S. W. Alderfer. 2,366,140; Dec. 26.
Pressure vessels, Making laminated. J. C. Grubb. 2,365,696; Dec. 26.
Projectile. W. J. Landen, J. H. Church, and W. E. Thibodeau. 2,365,708; Dec. 26.
Projectile. W. T. Moore. 2,365,718; Dec. 26.
Projector. T. S. Briskin. 2,366,084; Dec. 26.
Propulsion and breaking control system. C. M. Hines. 2,366,029; Dec. 26.
Protective apparatus for propellers. J. O. Antonson. 2,365,992; Dec. 26.
Protective coatings, Applying temporary. A. Jerl. 2,365,705; Dec. 26.
Puller: *See*—
Wheel puller.
Pulverizing mill. A. J. Peake. 2,365,904; Dec. 26.
Punching apparatus. S. S. Stine and E. H. Beswick. 2,365,977; Dec. 26.
Rack: *See*—
Belt rack.
Railway traffic controlling apparatus. J. M. Pelikan. 2,365,837; Dec. 26.
Railway truck structure. H. M. Pflager. 2,365,723–4; Dec. 26.
Reamer. G. I. Eagleson. 2,365,943; Dec. 26.
Receptacle: *See*—
Ash receptacle.
Rectifier and making the same. L. B. Haigh. 2,365,698; Dec. 26.
Reel: *See*—
Typewriter reel.
Reeling device. F. J. Wood. 2,366,081; Dec. 26.
Refrigeration apparatus. R. H. Tull. 2,365,786; Dec. 26.
Relay. A. L. W. Williams. 2,365,738; Dec. 26.
Resin bases, Chewing gum. W. H. Carmody. 2,366,086; Dec. 26.
Resin composition and making the same. C. R. Payne and R. B. Seymour. 2,366,049; Dec. 26.
Resinous products and making, Water-soluble. J. B. Rust. 2,366,129; Dec. 26.
Rig, Mast spray. C. J. Griffith. 2,365,755; Dec. 26.
Ring for packing, Retainer. C. Pool. 2,365,774; Dec. 26.
Riveting device. K. N. Keesler. 2,365,824; Dec. 26.
Rock drill. J. C. Curtis. 2,365,680; Dec. 26.
Rock drill. J. C. Curtis. 2,365,749; Dec. 26.
Rock drill. J. C. Curtis and E. G. Gartin. 2,365,682–3; Dec. 26.
Rock drill. E. G. Gartin. 2,365,684; Dec. 26.
Roll passes, Aligning. H. T. Farr and R. A. Peterson. 2,365,944; Dec. 26.
Roof gutter protecting device. M. Schweda. 2,365,845; Dec. 26.
Roof structure. J. A. Robertson, D. S. Payne, and B. F. Arendt. 2,366,149; Dec. 26.
Roof structure, Trailer or truck. J. J. Black. 2,365,934; Dec. 26.
Rubber, Depigmentizing reclaimed. H. H. Thompson. 2,365,662; Dec. 26.
Rubber from goldenrod, Obtaining. J. W. Haefele and J. McGavack. 2,365,950; Dec. 26.
Safety switching arrangement for electrically heated appliances. F. E. Finlayson. 2,366,014; Dec. 26.
Sash balance, Window. A. Morrison. 2,365,969; Dec. 26.
Sash, Window. H. H. Hebeatreit. 2,365,954; Dec. 26.
Sausages and sausage casings, Treatment of. G. Redemske. 2,365,728; Dec. 26.
Saw and hydraulic control mechanism, Metal. J. J. Zimmerman. 2,365,987; Dec. 26.
Scale. C. M. Ware. 2,365,735; Dec. 26.
Screens, Cleaning well. N. E. Gunderson. 2,365,872; Dec. 26.
Screw-receiving fasteners, Forming. H. W. Kost. 2,366,114; Dec. 26.
Self-cleaning filter. W. Jokel. 2,366,112; Dec. 26.
Series variable voltage drive. R. S. Elberty, Jr. 2,366,090; Dec. 26.
Sewage, Treatment of. S. E. Linsley. 2,365,889; Dec. 26.
Shakes and a machine therefor, Splitting. R. E. Bierd. 2,365,932; Dec. 26.
Shaving apparatus. B. J. Brander. 2,365,861; Dec. 26.
Shield, Dress. G. L. Fowler. 2,366,095; Dec. 26.
Ships, Means for use in launching. A. F. Gray. 2,365,021; Dec. 26.
Shock absorber, All-directional. S. Rosenzweig. 2,365,842; Dec. 26.
Shoe and outsole therefor. W. Mackensen. 2,366,039; Dec. 26.
Shoe horn. F. A. Gesell. 2,366,097; Dec. 26.
Shoe sole. A. D. Levine and A. Bosman. 2,365,964; Dec. 26.
Shoes, Making. M. F. Ashley. 2,365,796; Dec. 26.
Shoes, Making back parts of. M. F. Ashley. 2,365,795; Dec. 26.
Shutter synchronization, Between-the-lens. O. Steiner. 2,365,847; Dec. 26.
Signaling device, Automobile. J. Joyce. 2,365,823; Dec. 26.
Signaling system. G. H. Duhnkrack. 2,365,689; Dec. 26.
Signaling system. F. S. Greene. 2,365,949; Dec. 26.
Signaling system. M. W. Muehter. 2,365,719; Dec. 26.
Sirup from farinaceous materials, Production of. C. H. Warburton. 2,365,788; Dec. 26.
6-iodo-d-galactose. A. L. Raymond and E. F. Schroeder. 2,365,777; Dec. 26.
Sizer, Transverse. L. E. Jones. 2,365,822; Dec. 26.
Slotting machine. E. W. McKinney. 2,366,045; Dec. 26.
Solvent extraction process. R. C. Morris and N. C. Melchior. 2,365,898; Dec. 26.
Spar structure for airplane wings. F. M. Smith. 2,365,781; Dec. 26.
Speed control valve. R. D. McLeod. 2,365,892; Dec. 26.
Speed wrench. W. W. Pike. 2,365,839; Dec. 26.
Spraying apparatus. C. B. Yount. 2,366,150; Dec. 26.
Springs, Cutting and looping. C. G. Hicks. 2,365,876; Dec. 26.
Sprinkler system, Automatic deluge. H. N. Rider. 2,365,906; Dec. 26.
Stationary induction apparatus. M. O. Troy. 2,366,071; Dec. 26.
Stationery. A. W. Metzner. 2,365,716; Dec. 26.
Steam distribution, Valveless. V. E. Hastings. 2,365,756; Dec. 26.
Steel guide, Drill. C. F. Osgood. 2,365,685–6; Dec. 26.
Steering of motor vehicles or any other kind of vehicles. P. B. Mercé. 2,366,122; Dec. 26.
Stoker, Underfed. J. A. Casey. 2,365,679; Dec. 26.
Stove. B. B. Kahn. 2,365,881; Dec. 26.
Stretcher. A. V. Baker. 2,366,082; Dec. 26.
Strip cutter. A. Torrese. 2,365,663; Dec. 26.
Strips, Machine for interfolding. F. R. Slavek. 2,366,130; Dec. 26.
Suction cleaner. L. W. Pardee. 2,366,125; Dec. 26.
Supply system for aircraft fuel tanks and valves for use therein, Air. W. F. F. Martin-Hurst. 2,366,146; Dec. 26.
Support: *See*—
Arch support. Tool support.
Conduit support.
Support for heavy traveling machines, Truck. H. K. Herrick and C. J. Horn. 2,365,819; Dec. 26.
Support for upholstery and the like, Spring. E. S. Copeland, D. B. Porter, and W. Van Wyck. 2,365,865; Dec. 26.
Suspension of rolling mill rolls. A. Mogiljanskij. 2,365,831; Dec. 26.
Swing. L. Vermette. 2,366,135; Dec. 26.
Switch operating apparatus, Railway track. H. L. Bone. 2,365,800; Dec. 26.
System and apparatus for detecting high and wide railroad cars and open top lading. G. E. Lauterbach. 2,366,152; Dec. 26.
System and apparatus for facsimile telegraphy. R. J. Wise, G. H. Ridings, and R. D. Parrott. 2,365,741; Dec. 26.
Table reciprocating mechanism, Hydraulic. C. G. Flygare. 2,365,811; Dec. 26.
Tank: *See*—
Pressure tank.
Telegraph circuits, Supervisory system for. R. B. Hearn. 2,365,816; Dec. 26.
Telegraph switching system. A. J. Doré. 2,365,750; Dec. 26.
Telephone dials, etc., Illuminating. H. E. Chapman. 2,365,864; Dec. 26.
Telephone system, Private branch exchange automatic. P. Bakker. 2,365,996; Dec. 26.
Telescope sight mounting. A. Sorensen. 2,365,976; Dec. 26.
Temperature control for aircraft instruments. E. A. Ryder. 2,365,843; Dec. 26.
Temperature responsive device. S. G. Eskin. 2,366,091; Dec. 26.
Tension mechanism. C. S. Caffrey. 2,366,143; Dec. 26.
Tentering clip chain. G. W. Lane. 2,365,885; Dec. 26.
Textile machines, Stop means for. C. B. Hayes and H. H. Thorpe. 2,366,105; Dec. 26.
Thermally hardening steel. J. M. Hodge and M. W. Lightner. 2,365,956; Dec. 26.
Thread holder driven from take-up roll. W. H. Wakefield. 2,365,667; Dec. 26.
Thread holder for weft replenishing looms. W. H. Wakefield. 2,365,666; Dec. 26.
Tires, Building pneumatic. J. I. Haase. 2,365,815; Dec. 26.
Tool: *See*—
Camber and correction tool. Machine tool.
Cutting tool. Portable electric welding tool.
Tool support. C. E. Peterson and G. L. Olson. 2,366,050–1; Dec. 26.
Tool with interchangeable head, Dimpling. E. F. Tuttle. 2,365,918; Dec. 26.

Torch. J. J. Crowe. 2,365,942; Dec. 26.
Transformer. F. C. Owen. 2,365,722; Dec. 26.
Transmission. J. Jandasek. 2,365,879; Dec. 26.
Transmission, Automatic. F. W. Seybold. 2,366,063; Dec. 26.
Tray. O. E. Nabholz. 2,366,123; Dec. 26.
Tray trim, Butcher. J. D. Gray and K. W. Chapman. 2,366,099; Dec. 26.
Truck, Railway. C. F. Frede and E. C. Jackson. 2,365,692; Dec. 26.
Tube: *See*—
X-ray tube.
Tube cleaning head. M. B. Spaulding. 2,366,131; Dec. 26.
Tubing closure. H. R. Linderfelt and C. E. Metheny. 2,365,888; Dec. 26.
Tubular members, Producing. P. S. Hauton. 2,365,953; Dec. 26.
Tubular structures, Machine for making. A. E. Chernack. 2,366,087; Dec. 26.
Typewriter machine. G. F. Handley. 2,366,023–4; Dec. 26.
Typewriter provided with type wheel or type roller. T. Stenfors. 2,365,913; Dec. 26.
Typewriter reel. J. L. May. 2,366,147; Dec. 26.
Typewriting machine. G. F. Handley. 2,366,022; Dec. 26.
Typewriting machine. W. F. Helmond. 2,366,106; Dec. 26.
Typewriting machine. W. F. Helmond. 2,366,107; Dec. 26.
Underpants or shorts. A. James. 2,366,031; Dec. 26.
Universal coupler. J. M. O'Malley. 2,365,772; Dec. 26
Valve: *See*—
Compressor valve. Pressure responsive valve.
Dilution valve. Speed control valve.
Valve device. E. F. Allen. 2,365,927; Dec. 26.
Valve device. J. C. McCune. 2,366,044; Dec. 26.
Valve means for double-acting pumps. T. R. Wingate. 2,366,080; Dec. 26.
Valve with monitor, Gate. H. N. Rider. 2,365,907; Dec. 26.
Vanity case or compact. J. De Pasquale and A. Westerman. 2,366,009; Dec. 26.
Vehicle. J. B. Kucera. 2,365,884; Dec. 26.
Vehicle top. A. Keller. 2,365,765; Dec. 26.
Vending machine. R. Baker, Sr. 2,365,995; Dec. 26.
Vibrating mill. M. F. Morgan. 2,365,897; Dec. 26.
Vibrating relay modulator circuit. H. A. Affel. 2,365,672; Dec. 26.
Vibrator. R. L. Johnstone. 2,366,033; Dec. 26.
Volume control for diffusers. G. S. Dauphinee. 2,365,867; Dec. 26.
Wall and partition for buildings. W. G. Hitchins. 2,366,109; Dec. 26.
Web registering device. W. Hoppe and F. B. Roberts. 2,365,757; Dec. 26.
Weighing and feeding device. C. S. Weyandt. 2,366,075; Dec. 26.
Welded products. J. C. Grubb. 2,365,697; Dec. 26.
Well logging device. B. J. Kalb and D. H. Wise. 2,365,763; Dec. 26.
Wells, Method and apparatus useful in repairing. A. L. Armentrout and R. A. Werts. 2,365,794; Dec. 26.
Wheel puller. H. E. Olson. 2,365,771; Dec. 26.
Winding machine. F. W. Higgins. 2,365,701; Dec. 26.
Winding machine, Condenser. E. M. Kile and S. Kain. 2,365,707; Dec. 26.
Winding mechanism for roll film cameras, Rapid. G. Fassin. 2,365,690; Dec. 26.
Window operator. H. M. Brooks. 2,365,742; Dec. 26.
Window system. A. Rappl. 2,366,127; Dec. 26.
Wire splicer. G. T. Stafford. 2,366,132; Dec. 26.
Wire, Stainless steel. C. R. Horwedel. 2,365,959; Dec. 26.
Wire supporting clip. E. M. Morehouse. 2,366,041; Dec. 26.
Workshop, Travelling. K. W. Couse. 2,365,940; Dec. 26.
Wrench: *See*—
Speed wrench.
Wrench. F. C. Fischer. 2,366,015; Dec. 26.
X-ray tube. Z. J. Atlee. 2,365,855; Dec. 26.
Yarn guide means. F. G. Weisbecker. 2,366,137; Dec. 26.
Yarn holding means. I. W. Grothey. 2,366,101; Dec. 26.

CLASSIFICATION OF PATENTS

ISSUED DECEMBER 26, 1944

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

2— 30: 2,366,026
37: 2,366,032
53: 2,366,095
174: 2,366,037
224: Re.22,583
236: 2,366,031
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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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